

A project report on

DOCS ZONE: THE DOCUMENT CLOUD STORAGE SYSTEM ZONE

Submitted in partial fulfilment of the requirement
for the award of the degree

MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

SUPRIYA RATHOD
1CR17MCA19



CMR INSTITUTE OF TECHNOLOGY
132, IT Park Road, Kundalahalli, Bangalore-560037
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Under the guidance of

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CMR INSTITUTE OF TECHNOLOGY

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2019-2020

CMR INSTITUTE OF TECHNOLOGY
Department of Master of Computer Applications
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CERTIFICATE

This is to certify that the project work entitled

DOCS ZONE: THE DOCUMENT CLOUD STORAGE SYSTEM ZONE

*Submitted in partial fulfilment of the requirement for
the award of the degree of
Master of Computer Applications of the
Visvesvaraya Technological University, Belgaum, Karnataka
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To Whom It May Concern

Subject: Project Internship Completion Certificate for Ms. SUPRIYA RATHOD
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Dear Sir/Madam,

This is an Internship Completion Certificate for Ms. Supriya Rathod, MCA 6 SEM CMRIT.

We state on record that Ms. Supriya Rathod has successfully completed an internship project role of Junior Software Trainee intern at iCuboid Pvt.Ltd. #20,1st Floor, Sarjapur Road near Gear School, Doddakannelli, and Bangalore-560035. The Internship started date was 4th Feb to 19th June 2020 and location of this internship was the iCuboid Pvt.Ltd Bangalore.

Under the Guidance: **Mr. NIKIL**

Project Title: **CLOUD STORAGE SYSTEM ZONE FOR DOCUMENT**



DECLARATION

I, **SUPRIYA RATHOD**, student of 6th sem MCA, **CMR Institute of Technology**, bearing the USN **1CR17MCA19**, hereby declare that the project entitled “**DOCS ZONE: THE DOCUMENT CLOUD STORAGE SYSTEM ZONE**” has been carried out by me under the supervision of External Guide **Mr. Nikil**, Project Manager, and Internal Guide **Mrs Uma B**, Assistant Professor, **Dept. of Master of Computer Applications** and submitted in the partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the **Visvesvaraya Technological University** during the academic year 2019-2020. The reports has not been submitted to any other University or Institute for the award of any degree or certificate.

Place: Bangalore

Date:

Supriya Rathod

(1CR17MCA19)

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SUPRIYA RATHOD

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ABSTRACT

“DOCS ZONE: THE DOCUMENT CLOUD STORAGE SYSTEM ZONE” is an online Document Management System which is implemented to evolve the existing system that can store, upload and share documents through online. It also can share and upload videos and images. Since the internet is growing day by day most of the people are using the internet for every purpose in their day-to-day life. Companies and organizations who work all day use internet for several purposes like to share files, images or folders to communicate each other for the completion of their task which is given by the project manager or organization manager. So this project helps to manage all the files and keep the record of the files which is uploaded by the users or employees. The Document Cloud Storage System Zone provides its own workspace where it helps to create, view, organize and search the files from any device. It also provides a platform to access and upload files easily. Document Cloud Storage Systems which make employees in a company or organization work easier with comfort and also helps to achieve their ambitions. The Document Cloud Storage System Zone makes work easier by sharing the documents online with crew members at the office. In some circumstances, if the employees are working at home (work from home) he can also share his documents with his partner through the DOCS Zone application and can move forward on their particular tasks given by their project co-ordinator. Each member of the company can also collaborate with other members to share their documents. This Document Cloud Storage System Zone is secure and no one can access without passwords so that their confidential files remain secure. The main advantage of this project is that users can use this in all circumstances like when the user at home or at abroad. If the user is in abroad and wants to share some documents to home then he can share with passwords if it is confidential file and without passwords also. Therefore The Document Cloud Storage System Zone is an easy and comfortable web application to work with fun.

Keywords: *Folders, Trash, Recent, Favourites, Upload, Actions, Sort, View, and Activity.*

CHAPTER 1

INTRODUCTION

The Document Cloud Storage System Zone also called DOCS Zone which is a platform where people can securely store, access, create folders, upload, share, and collaborate on files in their devices. It can store any type of file in its directory so that people can access files with different extensions. Users can easily access the files from the device and they can drag the file and drop on the site. This helps to make easy for the operators or users to upload the file. It also helps to make a group of files and stores in one folder and this folder can also be shared with others. So those people working in groups can make help of this. As the internet is growing faster and faster these days in this era, this project is helpful in the corporate world and many more institutions or organizations. This project is used even at schools, colleges, and universities to maintain their records. They can share their files, images, and folders to other institutions. They need not be worried about the security because they can send files using encrypted passwords. It has online storage capacity which is expanded up to 100GB for personal pack use and unlimited storage capacity for the business pack. It may depend on the server in offices. It uploads and downloads with one-click, and users can send or share the files with others. There is no compulsory that each user must register or log in to the site. Users can also access directly or can see the file without logging into the site. Users can log in via social sites like Google, Facebook, and Twitter. The person who is already registered to the site can share his files to others via e-mail. The persons who received the mail can see the file or image directly by the link sent through e-mail without downloading. Therefore users need not be logged in. A person can send files to colleagues when he is working at home so that they can progress in their project to achieve their goal. DOCS Zone can be accessed anywhere, anytime in the world till he has the internet. The main aim is to satisfy the consumers' needs and their desires. It can also delete the files after sending and there will be copies of deleted files in the trash and can be accessed if needed.

The Document Cloud Storage System Zone increases the popularity of corporate world to do their task quickly and easily. The users widely make use of this project in any part of the world and can be easily understandable. It also gets popularity in institutions and universities to share, backup, manage, upload and collaborate with each other. It gives a wide variety of options to

handle and secure the private and public files. This project is selected for web application platform because it is widely used in the world today.

Objectives of the project

To achieve goals, objectives play the main role. It helps to get the proper outcomes of the project and can achieve this by proper requirements. It uses Dropbox, S3, and Google drive for primary storage. There are two parts, an admin, and the user. Admin has the control to do settings over the site. Most of the sites will not provide secure sharing and people find difficult to share and collaborate. So to overcome these situations DOCS Zone is developed. DOCS Zone mainly used to share files among each other so that employees can view without downloading the file. When users want a copy then they can download the file. If the files are confidential, they also can share files with secure passwords. This project provides actions which perform some activities like the preview,. In these activities preview page explains how the file is seen and also can download or copy link if needed, share helps to transform the files or folders to others with or without passwords, copy the link helps to copy the file path, move helps to move the file to another folder, favourite will helps to add the most important file to be saved safely, rename helps to, make a copy helps to keep an another copy of the file, download helps to download the file for further usage and remove will delete the file.

Purpose

Project says that analyzes the problems or dangers and plan, control, and organizes the activities before developing the project so that project completes with success. The responsiveness of the project helps to operate the site without problems. This project is flexible in operation and helps users to operate easily with comfort. The important part of this project is that it is free of cost. To introduce this project to people, create awareness of the new technologies and introduce them new methods. As talking with technologies DOCS Zone uses the current technology called laravel as the back end. It uses popular front ends called Bootstrap, CSS, Angular JS, and JavaScript. This project helps users to send and share files quickly and easily. The scope of the project is a part of project planning where it explains the goal of the project, its functions, and features, costs, tasks, deliverables and deadlines of the project. This project is secure with passwords so as they can keep files without fear and share the files to others with passwords.

1.1 PROJECT DESCRIPTION

DOCS Zone provides online storage which is introduced already in the market but not used popularly. It can support all the devices such as laptops, Android phones, and IOS devices. Collaboration uses cloud storage and sharing. People can work together on a project as this project provides collaboration when the users share files to others. It also provides security with encrypted passwords. It helps for the company people and organizations to work so that they can achieve their goals. Even this project is helpful for institutions, universities, colleges and schools to share and keep the record of the files. They also can share important files each other through e-mail in which the person need not be logged in. Even they doesn't have to download each file provided. He can directly look at it with given specified path. Therefore non-users of DOCS Zone can directly see without logging in and even without downloading it. DOCS Zone is a cloud platform that helps to store the files and folders securely and manages to keep every record online. It uses the simple technique where users can upload files, images, videos and also can collaborate with crew members so that employees can work jointly on a project. This application stores files and folders to help the corporate world and many institutions to manage records.

On the basis of modules, we were working on front end namely Bootstrap, CSS, JavaScript, and Angular JS. We use laravel as the back end.

1.1.1 Modules used in the project

To understand the project users need to have a glance on the modules being used in this project. Below following modules explained in this project at my best of the knowledge.

1.1.1.1 Register

Register module is mainly used to sign-up to the DOCS Zone site. In this module, users must register with their details. Here there are two purposes where users may be used for business or it may be personal. They both can log in with filling the same information like email, password, and confirm the password. After the registration users can edit their information in their account settings. If users' needs for business purpose then they can buy so that it increases

the space of the storage. The company staffs or project members can collaborate and work together if they register on the business profile.

1.1.1.2 Login

After the registration of users, they can now sign in to the site using his e-mail and password. Users can access the site through any mail address like Facebook, Google+ or Twitter. After logging in, they can perform his activities. They can also change or edit his details like.

1.1.1.3 Upload

This module used to upload files and folders. Files can include any type of extensions like .jpeg, .png, .docx, .pdf, .txt, .zip, .gif, .exe etc. It creates the folder to keep a group of files so that files will not merge and can be easier to locate and access files. It avoids confusion.

1.1.1.4 Share

Share module is used to share the folders or files to others with the Shared link. It has security so that confidential files are shared with team members on secure passwords. Users can share with multiple e-mail addresses. Users also can share through the non-users social network like Facebook, Twitter, Google+, Tumblr, Pinterest, Stumbleupon, and blogger. These are the popular social networks used around the world.

1.1.1.5 Download

The Download is used to get a file to the system which users can see when they are offline. This module helps to download files with the default which will be automatically saved in download folder in our systems so that users can see without connecting to the internet.

1.1.1.6 Sort and View

Sort helps to arrange files in order. There are three possibilities to arrange. Bigger to small size arrangement, smaller to bigger size arrangement which arranges the files according to the size and date uploaded which arranges date wise activities (First uploaded file will be at first and last uploaded will be at last). View helps to arrange the files the way it looks. It has the grid view which shows tabular view and the list view which is an item-by-item or one under another

arrangement. Therefore the both sort and view modules help to see the arrangement of a file on the site.

1.1.1.7 Make a copy and create

Copy helps to make a replica of the file. Users can make another copy of the file which saves as .docx copy to easily locate which is original and which is a copy. Users also can create a new folder to have a bunch of files stored inside it.

1.1.1.8 Rename and favorite

Rename which gives a new name for the file or folder. In another way, it edits the. Favorite is used to add important files to one folder. If users click favorite then the file or folder is added to the favorite item.

1.1.1.9 Recent Activities and move

It shows the recent activities of the users. When the user uploads, copy, create, share, and delete, these actions are shown in the recent activity. Move helps to send files to other folders.

1.1.1.10 Trash

Trash uses to have a copy of deleted file or folder. It works as recycle bin. When users want to delete a file they can delete and that deleted file will be saved in the trash folder. When users need that deleted file he can restore it or they can delete the file permanently in trash module.

1.1.1.11 Account settings

The user can edit his account with settings provided. They can change the username, first name, last name, gender, and avatar. They can upload his profile picture or avatar. Users also can change their passwords. The users can upload their photo. If the photo size is bigger than it automatically resets to 200*200 (px).

1.2 COMPANY PROFILE

iCuboid is a development company for start-ups to global undertaking and it is founded in April 2010. It also includes strategy, product ideation, and User Interface/User Experience (UI/UX) design. It helps companies to make innovations on their ideas and web products. This company work on latest technologies for performance-based solutions and high fidelity. It uses cloud computing architectures. It is a part of COMM-IT which intern is a division of India Builders Corp (IBC). It provides many services like designs, web products, cloud solutions, e-commerce solutions, CMS services, consulting and mobile apps. ZOOL team has won the Indian Webby Awards for online Retail Innovation from the Microsoft CEO Steve Ballmer in May 2010 and Grand Prize winner for most innovative blackberry webworks in 2011. The corporate office is located in Bangalore and other offices are located at New Delhi, Dammam, and Jeddah. 50+ employees work here. The company work on different phases of learning, ideate, plan, align, define and evolve. ZOOL focuses on a rapid assembly to take care of complex ecosystem which is an open source component. The company works on various domains.

The domains are listed below:

- E-Commerce
- Social Media
- Education
- Healthcare and life science
- Real Estate
- Enterprise information portals
- Pharmacovigilance
- News, Media, and Entertainment

iCuboid works on survey management, career nurturing platform, a concept based used cases, storyboard based used cases, e-learning, adaptive learning platform, family health manager, rescue management applications, financial advisors and much more. It offers projects from the

start-up companies to global enterprises to help them to make innovations for web products related projects. The company has current strength 50 for Mobility-15. The Headquarters of ZOOL is located in New Delhi, corporate office is in Bangalore and COMM-IT is the parent of ZOOL. This company focuses on innovations like technology synergy, rapid prototyping, Tech. proof of concepts, Domain Expertise, cloud computing strategy, Enterprise content strategy. This company undergoes six phases namely ideate, learn, align, define, evolve and plan. Ideate explains the workshops like user scenarios, screen flow, solution blueprint, information architecture, storyboard, feature matrix, use cases, layout, and navigation. Learn explains studies like UX audit report, user stories, user journey, multichannel opportunity, user profiles, benchmarking reports, empathy and experience map, provisional personas, secondary research, and task flow. Align explains the workshops like understanding of users, user journey, product goals, scope, product map, business vision, and key product features. Define explains the prototypes like visual designs, wireframes, development support, validation, style guide, and iterations. Evolve includes analytics, evaluation map, user testing, benchmarking report, and market validation. The plan has workshops which include resource allocation, project plan map, and prioritized use-cases. ZOOL also provides solutions such as design solutions, UI engineering, digital

CHAPTER 2

LITERATURE SURVEY

2.1 EXISTING AND PROPOSED SYSTEM

The existing and proposed system defines with the past, present and future analysis of the project. The existing system deals with what is currently present in the market and proposed system deals with the modification of existing system or adding more ideas to the project. Following explains the existing and proposed system of the project.

2.1.1 Existing System

Similar applications are there but its cost is high especially for business users. There are many apps which provide to share documents online but the problem is they have to be log in and access it. For business purposes, they need to pay money. The advancement level of IT involvement needs this but at a smaller business, people find difficult to access it. For example, Start-up companies find difficult to handle. The storage capacity is less and large companies find difficult to store more documents online. They cannot secure the file and store for long periods. If users store for long periods there may be an automatic deletion of files and users will lose the file.

Time is very precious. There are several activities in the project which is time-consuming. When the users want to share files or upload files then it takes more time to upload and share. In some cases, users need to fill lots of information which is compulsory for further process. There is no need of filling more information as we can reduce the form with less information. By doing this we can save time. Business people have to fill lots of information to register so as it takes more time or time-consuming. Most of the business people will be busy in their work and they will not be having time to fill lots of information. They will find out the easy way to register but this system will not provide business register with fewer fields. So to overcome these drawbacks we need to construct the system with less register information. For the people who are uneducated are not able to fill details. So to overcome this we need to create a site which is useful for all users. It cannot be reached for uneducated people as it

requires knowledge to upload. Some sites say that users must download the site to access it and have to pay for login. There are sites which only shares but no other activities.

The users cannot communicate with other users. Security is not upgraded as confidential files can be seen by others. It cannot store a large number of files as the storage capacity is smaller or less. To overcome all the disadvantages we are building a site which is secure.

- Cost is high to access business works
- Time consuming
- Difficult to fill register details to the business users
- Drag and drop option is not included
- Lack of storage capacity for large companies to manage records
- Collaboration is not flexible and difficult to collaborate as data loss takes place
- Security is less as there are confidential files to transfer.
- Sharing can be done through the only email.

2.1.2 Proposed System

Considering all the disadvantages users can now access the new application which overcomes all the problems faced in the existing system. Users can access or login to the site on business purpose for free. Users can put files in one folder so that they are able to search easily. Instead of keeping Xerox copy users can save it in his application. This reduces the usage of paper which saves green trees. Users also can scan originals and upload in the application so that it remains safe permanently. It can be accessed with free of cost and storage capacity is expanded. Users can easily send files to others so that users can see without downloading and without logging in to the site. Both business people and company people can access with free of cost as it has many features which overcome the existing system. It is easy to access anywhere and anytime, only thing is that the users should be online. Now days almost every people have internet so it is not a big issue. It gives drag and drop option to reduce time. So we can drag and drop the file easily. It provides the password to share when there are confidential files or folders to transfer. The password is encrypted and cannot be accessed by others. Files and folders will be secure and

transferred to others. As the time is very precious, this site provides easy access to business people. They can easily register with less information and the time will be saved.

The company people will be busy in their work and they do not have time to fill all the information on register form so to reduce that problem this site provides only email and password fields to register. There are several activities in which users also can perform like share, upload, preview, rename, delete, move, make a copy of the file or folder, copy link of the file or folder, add favourite, change passwords, upload avatars, change username, change first and last name, selecting the gender, and download. When the user shares the files or folders to non-users, they can preview without downloading the file and also can download if needed. Users can also copy the link of the file and send to non-users or users. Users can change their username, passwords, and avatars in their account settings. They can make their profile more attractive by adding the photo and can make their own profile more amazing. The admin who is the boss of DOCS Zone has the control over every activity of the user. They can delete the user and make changes to the user. They can view and delete the file or folder. They can add the ads to the homepage, files or folders preview page, and dashboard. They can change the settings of homepage taglines and home button title. The users can send mail through any one of the above drivers.

Advantages of proposed system are:

- Free of cost
- Time saving
- The capacity of storage is more.
- Drag and Drop option is provided
- Security with protected passwords
- Registration is easy for both business and personal people
- Accessible anywhere and anytime
- Usable in multiple devices
- Deleted files are accessible through trash

- Share the files so that the person on the other side can see without logging in or without downloading
- Collaboration is better compared to existing system
- File is shared securely through online
- Sharing can be through Facebook, Twitter, Google+, Pinterest, Tumblr, Blogger, and Stumbleupon.

2.2 FEASIBILITY STUDY

Explains what is the new plan undertaken in the project. It mainly contains information about the project and deals with the best-proposed system of the project. It identifies the problems facing and find the solutions by making a survey. It also identifies, evaluates, and describes the proposed system of the project. It provides a firm foundation to the project. It defines how the overall project operates throughout its lifecycle. Feasibility study of the project is studied on the basis of. Following explains the study of the project

2.2.1 Technical Feasibility

Technical Feasibility checks whether the technology is available or not. It takes advantage of the latest technology used and can move for further updates so that problems of the existing system is solved. In this project Bootstrap, CSS 3, JavaScript, and Angular JS are the technologies used as a front end framework and laravel with PHP is used as the back end. These are the technologies which are required for the project to develop. Using these technologies it helps to build the complete project.

2.2.2 Economic Feasibility

Economic Feasibility explains how the project is being used; whether it is free or some amount to be paid to access the site. To answer this question, the people need not be paid, it is used as free. Anyone can access this site for their personal or business use. It also explains the prospect of the project within the institutions, companies, or universities. It is related to the proposed system of the project where what new products are available currently in the market. It also explains how this project is beneficial for the users as it provides free access.

2.2.3 Operational Feasibility

Operational Feasibility defines whether the system provides correct information or not. When there are errors the the user is facing and help that user to solve the problems. This system is easy to operate and with one click we can be able to send or collaborate members each other. Users can use the site with flexible and it gives responsive operations. It supports all the operating system. The flow of working is very easy and can be understandable by any users.

2.2.5 Resource Feasibility

Resource Feasibility defines the resources available to do the project. Dropbox, S3, and Google drive used as storage, Bootstrap, Angular JS, CSS 3 and JavaScript used for front-end, API's, and laravel as the back end are the resources, used in the project so that people can operate easily. With the help of these resources, the user can be able to access everything easily and quickly, so as to reach user's needs. Therefore resource feasibility satisfies customer needs.

2.3 TOOLS AND TECHNOLOGIES USED

Composer for laravel, brackets, Sublime Text 3, Dropbox, Google Drive, and S3 are the tools used in the project. Bootstrap, CSS, Angular JS, JavaScript, and laravel are the technologies used in this project. Following are the tools and technologies explained briefly as per my knowledge.

2.3.1 Tools used in the project

2.3.1.1 Composer

To manage dependencies of laravel we must download composer. It helps to access the code globally. It is used as a package manager for laravel. The composer is very important for laravel projects to run. It manages all the dependencies and helps to run the project easily. It has many libraries and dependencies in which composer pulls inside and manages. Therefore it manages all the dependencies and libraries in one place. The developers no need to go to other places to download the dependencies and libraries. The composer itself provides as it has inside. Most of the developers use composer because of its popularity.

2.3.1.2 Sublime Text

Sublime Text is an advanced technology of text editing used for code, plain text, and markup. It supports several programming languages like HTML, CSS, Bootstrap, laravel etc. It plays a main role in developing project successfully. It uses Python API (Application Programming Interface) for plugins. It provides quick navigation lines, files, or symbols. It has different themes with 22 visual and has the option to download extra themes. The entire file is shown at the top-right corner in reduced form. Therefore it is popularly used for editing the text, markup, and code.

2.3.1.3 Brackets

Brackets are developed for free of cost by Adobe systems. It is used as operators and markups in many computer programming languages. For example, brackets are used in CSS, JavaScript, Angular JS, HTML, Bootstrap, laravel, and many more languages. The PHP commonly contains round brackets which are used to control structures, expressions, loops, and functions. The curly brackets are used to mark functions, control structures, loop, and classes. The squares are used as elements of an array. It also supports maximum operating systems and upheld by GitHub.

2.3.1.4 Dropbox, S3, and Rackspace

This project provides four optional storage devices for the admin namely Dropbox, Amazon S3, Rackspace or locally. They are simple services for storage of the object in a cloud and can access any data from the web at anytime and anywhere. Dropbox is founded by Drew Houston. It is a service which provides file hosting. It creates a folder on the user's computer. Most people use Dropbox for primary storage. Dropbox uses cloud storage in which data is stored on remote servers which are accessed through the cloud or the internet. Features of Dropbox are, it adds comments, shares screenshots speedily, view any files without downloading, saves space, files will be safe to store, backup all the files or images, and flexible storage capacity. S3 is a simple Amazon storage device which can be used as primary storage. Rackspace is a largest cloud computing service provides cloud storage for the device. It is founded by Richard Yoo. The admin has the main settings control and can use any storage device to store the files or folders. For further use, the developers can make their own storage so that the site becomes more popular.

2.3.2 Technologies used in the project

2.3.2.1 Front End

2.3.2.1.1 JAVASCRIPT

It tells how pages will behave when there is an event occurred. It is also a lightweight language which is used commonly in the web pages as a part. It is popularly used in the current world to make a web page interesting. It helps to build applications and sites rapidly. JavaScript has first started as a scripting language. It is founded by Netscape which is also called live script. It does not require separate compiler because it contains client implementation. So it is a very powerful language used across the world.

2.3.2.1.2 Angular JS

Angular JS is a popular framework for applications with dynamic web pages. It is an open-source language based on JavaScript handled by Google and used as front-end framework for web applications ^[2]. It is a part of MEAN stack., ng-model verifies data-binding in two-way between the scope and the view, ng-binds sets the DOM element text to an expression, ng-controller specifies the JavaScript class controller and ng-class where attributes are loaded dynamically ^[2]. It uses template languages called HTML and HTML's syntax is expanded to express the applications clearly and briefly. Developers no need to write more coding as it shortens and make a short way of coding. It is built on CRUD application which gives basic functions called create, read, update, and delete (also an acronym of CRUD). There are several variations like CRAP, MADS, BREAD, and DAVE but we are using CRUD as it helps to create, update, and delete the files easily.

2.3.2.1.3 CSS

The abbreviation of CSS is Cascading Style Sheets. CSS is an appearance of a document also called style sheet language which is composed in the markup language ^[3]. It is written along with JavaScript, XML, HTML, and XHTML. It helps to design the page in a beautiful way. Workers can design the web pages as their wish or as the wish of a client. It represents how the page must be displayed on the screen. CSS is mainly used to style the pages. It contains borders,

margins, lists, text, fonts, backgrounds, colors, tables, and many more elements ^[3]. It has four features namely CSS1

1. CSS 1 is the level 1 style sheet which is developed by 2 people called Hakon Wium Lie and Bert Bos. It contains elements like font, color, backgrounds, margin, border, padding, text, attributes, images and tablets.
2. CSS 2 is the level 2 style sheet which is published in May 1998. The advanced version of CSS 2 is CSS 2.1 which is final revised version of level 2.
3. CSS 3 is the level 3 style sheet which is divided into separate modules. It extends features of CSS 2 and CSS 1. It contains rounded corners, 2D/3D transforms, animations, transitions, gradients, and pagination.
4. CSS 4 is the level 4 style sheet in which modules are separated and is an advanced version of CSS. It uses all the latest version of CSS and also contains advanced features.

2.3.2.1.4 BOOTSTRAP

It is a front-end framework and an open source language which is developed by two popular persons named as Mark Otto and Jacob Thornton. It is released in August 2011 in GitHub and developed for free. Bootstrap has become a popular and no.1 project in June 2014 on GitHub. It helps to create designs easily. It includes HTML and CSS based designs. Bootstrap is faster and easier to develop web applications. We can include JavaScript plugins as optional in bootstrap. It is originally named as Twitter Blueprint. It has JavaScript components in the form of plugins of jQuery which provides elements with additional user interfaces ^[2]. Bootstrap consists of style sheets which have less series and can make adjustments. It contains much functionality like a grid, typography, tables, images, jumbotron, buttons, pagination, tooltip, glyph icons and much more ^[2]. Bootstrap has many advantages. List of advantages is explained below.

2.3.2.2 Back End

2.3.2.2.1 LARAVEL

Laravel is an open source language with web framework of PHP. It is developed by Taylor Otwell. It is mainly used for developing web applications. Laravel uses the architectural pattern called MVC (Model-View-Controller). It separates business and presentation logic. The MVC is popular in these days because it has three subdirectories called model view and controller in which we can create views, models, and controllers separately and connect them at the end ^[1]. There are three components of models namely model, view, and controller. The model which maintains and manages data and gives the response to the views and controller requests, the view is an optical representation of model which is responsible for exhibiting the data and controllers are used to control the co-relation between models and views. In addition with routes are used to map URLs to designate controller actions. Laravel has the command-line instrument called Artisan which is used to generate codes and database ^[1]. Artisan controls each and everything from the database system migration to asset and configuration control. The main folders of laravel are an app, vendor and public where app contains assets, models, views and controllers, the vendor is the third party code that includes dependencies, plugins and the source code of laravel and public can access static assets like JavaScript files, images, CSS and other files.

2.4 HARDWARE AND SOFTWARE REQUIREMENTS

2.4.1 Hardware Requirements

To progress in the project we need to have specific hardware requirements so that the project can run without any errors. The following hardware requirements are considered in the project,

Processor	Intel Core i3-4005U CPU @ 1.70GHz
System Type	64-bit and 32-bit Operating System
RAM	16GB, 8GB, and 4GB
Hard Disk	1TB and 500GB
Internet	Required

Table 2.4.1.1: Hardware Requirements

2.4.2 Software Requirements

It is defined as a system of software to be developed. To develop and run the project we need to consider some of the software requirements which is explained below,

Operating System	Windows 10, Windows 8, Windows 7, Windows Vista, and Windows XP.
Front End	Bootstrap, CSS 3, Angular JS, JavaScript
Back End	Laravel with PHP
Database	My SQL, Cloud Storage (S3 and Dropbox)
Web Browsers	Opera, Mozilla Firefox, Internet Explorer, Chrome, UC Browser, Opera, and Safari

Table 2.4.2.1: Software Requirements

CHAPTER 3

SOFTWARE REQUIREMENT SPECIFICATION

The testing phase is fully dependent on SRS to check and solve the problems. A good software requirement specification tells how the system will interact with all the modules, communication, and hardware and with other users. In this project, we can use Dropbox, Rackspace, Amazon S3 or locally which is a cloud storage platform. Users can upload files, images, folders, videos etc. When the user deletes the file then that file will be stored in the trash so that user can access it if needed. This project uses tools like Composer, Sublime Text and brackets. These tools are helpful to build the project successfully. SRS is divided into two type's namely functional and non-functional requirements which are explained below.

3.1 Users

Users are the main aim of this project as developers must satisfy the need of customers or the users who use frequently. Here users have many advantages as they can share and keep a record of documents online. It contains:

3.1.1 User profile

The users will register with their email address and password. Once the user login to the site, he can change the profile. The user profile has the dashboard with left column consists of profile photo with name, trash, folders, favorites, and recent, middle column consists of upload with drag and drops option, create folder, sort, actions, activity, search files or folders, and view and right column consist of recent activities.. When users click change avatar, they can change his profile picture and also can remove the photo. The profile picture takes 200*200 pixels. If the photo size is bigger than the photo fixes to the default size. Users also can change the password by clicking the account settings. The users can easily change the profile with two options either he can directly click the button or can go to account settings and change all three. Therefore the users can flexibly use the site with responsive outputs.

3.1.2 Upload files

The users can upload the files or folders within seconds. There is another option where users can drag and drop the files or folders to upload. When users upload a file then at the bottom a file uploading status will appear. We can able to see the file uploaded or not with the help of uploading status. Drag and drop option makes users upload fast with less time. The employees can upload with less time and can move further steps on his project. After uploading the users can keep the file or can share to other people depends on the users' interest. The file will be securely stored. If users want to keep another record of the file then they can make a copy of that file. They can also create a new folder or folder within a folder. Even folders can be shared and make lots of operations. Therefore upload plays the main role in this project as users can securely keep the record of a file or folder for a long time.

3.1.3 Email and other social site sharing

Sharing plays a main role in this project. In this, the users can share files or folders to other non-users or users. There are two-way options where they can send with their email address or can share with social sites like Facebook, Pinterest, Google+, Tumblr, Stumbleupon, Twitter, and Blogger. The users also can send with multiple email addresses. An optional field is provided with grammar check to send related details or information. It has a new feature where the users can share with secure passwords. The passwords are in the hash form where hackers cannot see or access the files or folders. Nowadays sharing is popular as users can share the files without fear a helpful in large business transformations. The users easily can share the files with responsive outputs.

3.1.4 User activity, Sort, and View

Activities are the recent actions done by the users. For example, if a user shares, uploads or deletes a file then these activities are shown in the right column with date mentioned as recent activities. The users also can make changes in view. They can view in two ways either in grid or list view. They can also sort according to the size and date. The size may depend on the file. It may arrange in ascending or descending order. Old dated files updated are arranged at the bottom and new dated files are arranged at the top. Both sort and view are used to change the format of view to the users so that users can have their own style.

3.2 FUNCTIONAL REQUIREMENTS

A functional requirement of a project defines the components or functions where inputs, outputs, and behavior of the project are described. Share files and folders with others and collaborate the people who are working in groups. In order to achieve these following functional requirements are considered.

3.2.1 Admin and Users

The admin has unique ID and password nobody can log in to the admin area. Only an admin can access it. If a person tries to access admin area then he will return with an error showing that the email or password entered is not valid. The admin will control the users. He/she can delete users or their files when there is malpractice and can have a record to show the police when there is an inquiry. The admin can see the flow of control by looking at the analytics area which shows status on users and how much total size is acquired.

The users may be registered as a business or as personal use. It depends on their priority. Both of them register in a single register page to make the site more easy to operate for business people and common people. When user personally registers, he provides password and email address which is validated. If the user enters passwords with four or five characters then a message is shown that user must provide a minimum of 6 characters. If a user does not provide valid e-mail address then a message pop ups that, a user should enter a correct e-mail address. If the user is already registered then it shows that the user is already been registered to the site. The same process takes place for business registration also.

3.2.2 Sharing the files/folders

Sharing the files is the main aim of this project. It can share any type of files online. If there are files which are confidential then users can send files with protected passwords. Users can even change the URL if they do not want to send their URL path. If the user specifies email address which is not registered then it shows a message that the user must put a valid e-mail address. Users can able to send files without downloading and other users can see the file without downloading or without logging in to the site.

Users also can collaborate with each other when a DOCS Zone user sends a request to collaborate. When users need help they can get the help from the site. Users can share with two possibilities. They are people in the folder and people with link or company. Users also can share with other users' social sites like Facebook, Pinterest, Google+, Tumblr, Twitter, Blogger, and Stumbleupon.

3.2.3 Uploading and Creating

Uploading the files make users to have a copy on the site. When the users click upload, it directly takes to the dialog box where they can select the file from their personal computers. After selecting the file or folder with open button, it uploads with a status at the bottom. When uploading finishes then it shows a message that the file is successfully uploaded and saved to the current folder. It also has dragged and drop facilities where the users directly can drag the file and drop it into the site. It automatically uploads the file to the current folder. The users can also change the name of the file and move to other destinations or other folders.

The users can create a new folder with create button. When create button has clicked a pop up with name field appears and the users can create a new folder with a new name on their own choice. They can also create a folder inside the folder. Therefore both the fields work successfully.

3.2.4 Adding Favorites and move

The file or folder which is liked and important is marked as the favorite so that the users can directly search in favorite folder. Adding favorites will make manager or project member search the files or folders easily. It will be easy for them to access the file or folder faster and make their work move rapidly. There are two ways to add favorite either directly by right-clicking on the file or folder or by selecting the file or folder by clicking the action drop-down menu.

The users can move the file or folder to other destination with move action provided when. It helps to transfer the file or folder from one location to another location. They can also drag and drop the file and folder to the required place.

3.2.5 Preview, Download, and Copy link

Preview is used to have a look at the file. When the users' preview, a new page opens where they can see the file with the download, share and copy link buttons. The users can see the preview options in two ways. One way is that they can right click on the file or folder where drop-down menu with several options appears and the preview is the first menu and the other way is that when they click on the file or folder and click on the action then they can see the preview.

If the file is checked correctly then they can share with other users or non-users through their email or from the social sites. Download option is provided to have a copy on the computer when the users can see without the internet. Copy link is provided to copy to the clipboard and send it to others for their personal use. When copy link button is clicked a message shows that the link is copied to the clipboard. Therefore preview shows all three options to make users work easily.

3.2.6 Rename and Remove

Rename is used to give another name for a file. The users can rename with any names they like. When rename is clicked a dialog box appears with an old name and can change the name of the file or folder. The users cannot rename the name of the file which already exists in the folder.

Remove button is used to delete a file or folder. When users delete the file or folder then they can see that file or folder in the trash. They also can back up the file to original destination by moving to the trash folder and right clicking on the file or folder and restore it. They also can delete the file or folder permanently by clicking delete forever button in the trash folder. These two options are available when users right-click on the file or a click on the actions button. Rename and remove options are functionally working fine with users' availability.

3.2.7 Actions and Recent activities

Actions have several activities. When the users click the file and go to actions, he will find copy link, make a copy, rename, favorite, preview, download, share, move, and remove options.

Copy link is used to copy the link to the clipboard and send to others, make a copy helps to keep another copy of the file, rename is used to give another name to the file or folder, favourite is used to mark the linked file or folder and this will automatically save in favourite folder, preview

is used to have a glance at the file, download is used to have a copy on the computer which will be saved in the download folder on the computer, share is used to send the files or folders to other users or non-users with their email address or other social site address, move helps to move the file or folder to other location and last but not the least, remove is used to delete a file or folder which can be back up when needed. Recent activities show the recent performances or actions done by the users at the right column.

3.2.8 Sort, View, and Search

Sort helps to arrange the files in three orders. One is by the size small to big, second be the size from big to small and the third is on date wise. The users can have any above options to arrange the file. View helps to get the outlook of the file. There are two options either by grid or list. The grid will show the files which are in tabular view. The list shows the vertical list items with the scrollbar. Sort and view options help to arrange the files according to the user needs. Search is used to find out the file or folder with its name. If there are more files then it will be difficult for a user to scroll and find the required file. So to make users find the file fast, a search input box is given. When users enter the characters inside the input field then it automatically searches the file name with the characters entered. This becomes easy for a user to search when there are more files.

3.3 NON-FUNCTIONAL REQUIREMENTS

3.3.1 Security

Security is the important aspect of this project. It explains how much the project is secure and how it solves problems.

DOCS Zone provides complete security so that when users want to transfer confidential files it provides a password so that others cannot access it. With the help of protected password users can share confidential files. Both business and personal users can access the site with their basic information like email and password. If password or email did not match then it gives the error that the email or password is not matching. Confidential files are sent through protected passwords so that the files are secure. Here there is no possibility of accessing passwords as the passwords are encrypted. Companies can use their local storage as there will be more capacity to

store the files. Users can also change their passwords after logging in to the site. Users can share and secure the files without fear as the confidential files cannot be accessed by others. Therefore it provides overall security.

3.3.2 Flexibility

Flexibility gives a good usage of how the project works when the users access the application. It truly defines how much the application is flexible. Both business and personal users can access their e-mail and password. There is no separate login for business people as it is free for use. It gives proper output within a second when the user enters input. Therefore the project is flexible to use. When the input varies then it should be able to give proper output within specified time so the users must not wait for more time. The users must not wait for anything for a long time. It also tells how the project is able to adapt to changes. When users upload a file or folder then when they login their files will be loaded automatically. Same thing happens to the folders also. When new folders are created and if the users' login, it automatically shows the existing and newly created folders in the left column. When users delete any file then the file will be in the trash and can restore the file back to the same location by clicking restore button on the file in the trash folder. Therefore it adapts to the changes.

3.3.3 Modifiability

Modifiability defines a change of qualities or form. The user can change the view of the arrangement of files whether it may be list or grid view. Sort option is there to arrange in order. There are three options which depend on the file size (from bigger to smaller and smaller to bigger) and according to the date of the file uploaded. The user can change the settings however he needed. Users can modify their passwords, name, gender, avatar, first name, and last name in settings. When a user wants to modify the folder or file name he can change. Therefore users can easily modify the settings and the view of his account. The admin can have the control over user's files and also can delete the users or files. H/she can also see the folders created by the users. The admin can change the view of the site and the words written on the landing page. The modification popularly fits the site and successfully modifies according to the operation done by the users or admin.

3.3.4 Reusability

Reusability defines how the project can be used with existing effects. It includes documentation, codes, components, designs and testing. The documentation can be changed only by the admin and he can use any number of times. The codes which are written by the developers can be reused and make changes over the site. The users can access the new changes by updating the new version of the site. They can reuse the site as many times as they want. Each time when the users' log in the actions which are performed by the users are automatically loaded. The project can be reused as it is more reliable. The users can use anytime, he can log in and log out whenever needed. There are no limits for a user that he should be login only for few times or days. He can reuse many times.

3.3.5 Reliability

Reliability explains how the project can be trusted and overall consistency. When users see the profile then they can use the application easily as it provides security. Users can easily trust the site as it shares files privately with secure, trusted and encrypted passwords. This project is reliable as it provides many features. To access the site the cost is free and can be used anywhere and anytime if there is the internet on hand. In today's world, everyone has the internet option so there is no big issue. The users can share any type of files to other users or non-users by providing the email address or other social site address in the input field. This project is reliable and can be used worldwide.

CHAPTER 4

SYSTEM DESIGN

System design explains the modules, interfaces, components, architecture and data which satisfy requirements of the project. It is a product development which divides into a design, marketing, and manufacturing. It can be seen as system theories where system theory changes to product development. It explains how the designing of a system works.

4.1 SYSTEM PERSPECTIVE

System perspective defines overall behavior of the system on the basis of an environment. It models the connected thoughts or environment of the system where users can use the system anywhere and anytime. It explains how the users are interacted with web pages and provides services like proper authentication, cloud computing, and outputs. There are three types of perspectives namely interaction, behavioral and structural.

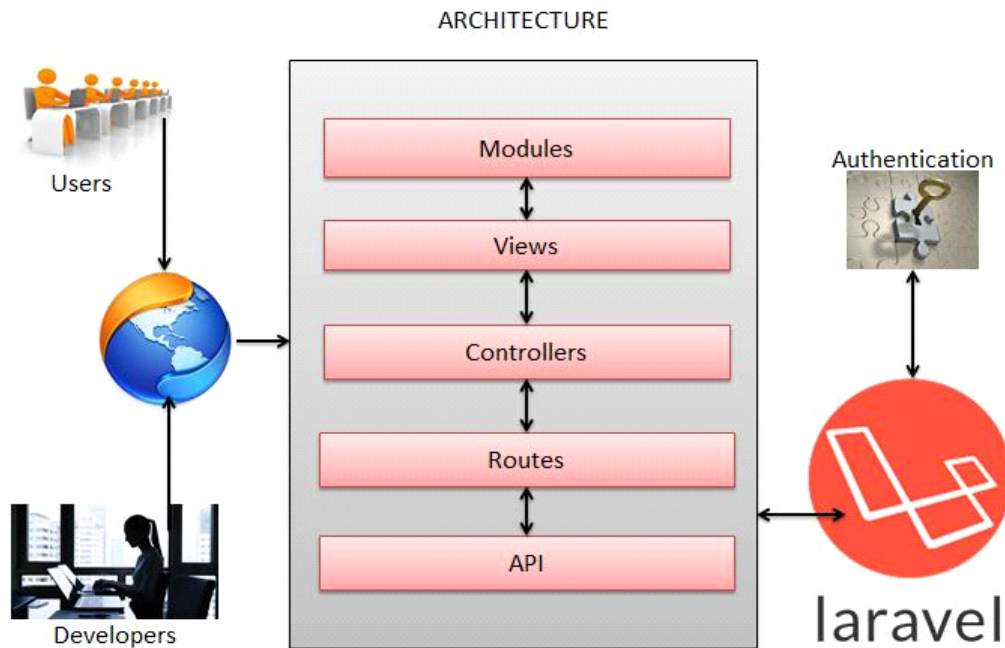


Figure 4.1.1: Architecture Diagram

Architecture design shows how the system is working internally. It uses MVC model. When users and developers interact with the browser an MVC model controls the flow which is bonded inside the laravel. When the users enter the site then view model helps to view the site. The developers write the code according to the view model in the controller part. Authentication is used to control the passwords and reset passwords.

4.2 CONTEXT DIAGRAM OF DOCS ZONE

It is also an operational connection of a system which shows boundaries that lie outside the system. System boundaries explain how the overall system is considering both outside and inside the system. There are two blocks namely relationships and entities where relationships are represented by lines with labeled and entities are represented by labeled boxes. The below diagram explains the context diagram of the project.

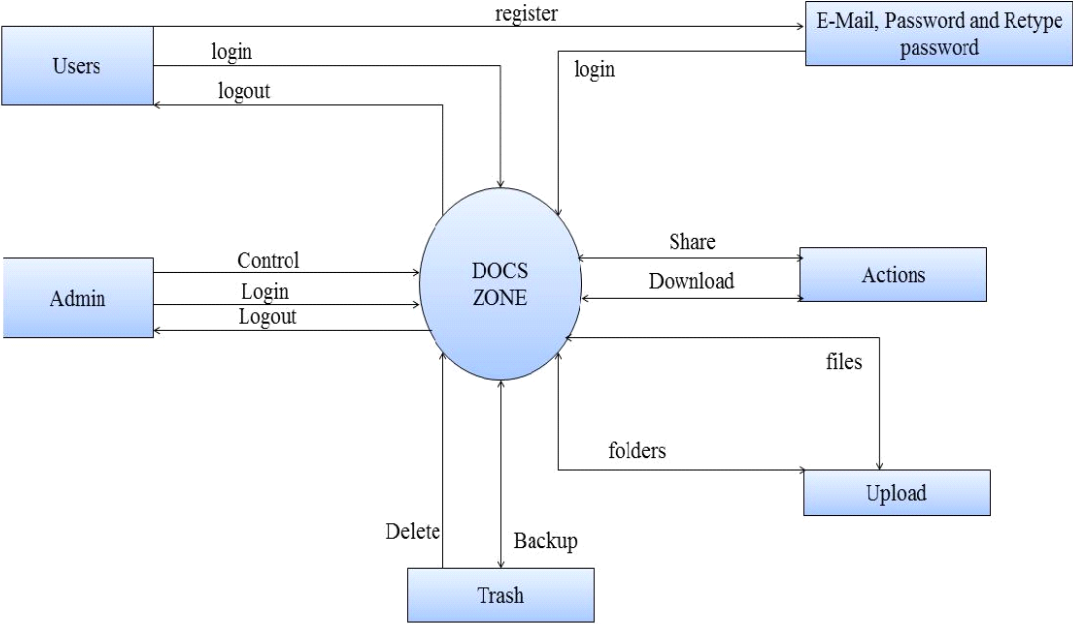


Figure 4.2.1: Context Diagram

Context diagram shows the overview of the project. As shown above, the DOCS Zone contains register and login page for the users and can perform several operations like upload, remove, rename, copy, share, download and create. Admin is the person who will control the users’ flow and view page of the users.

CHAPTER 5

DETAILED DESIGN

Detail design is an appearance which is refined and rates, plans, and specifications are created. It includes two-dimensional or three-dimensional output models. When compared to the source code, the detailed design is still at the stage of abstraction. This is where the project cost is estimated. It is the last design action before the implementation starts. Below explained different diagrams shows the project flow.

5.1 DATA FLOW DIAGRAM

It describes the overview of a system. It tells what kind of information is passed on to the input and how the output is represented and how the data is advanced and stored in the system. It does not tell the timing of a system or process time instead it shows information. Data flow diagram contains symbols to represent, they are a rectangle which represents Input/output of this system, a circle represents the process or function, arrow mark represents the flow and two parallel lines represent the database or file. As shown below the diagram tells how the flow of the project is taking place. When the user got success in his registration process, he will get a link to his mail address and he activates for the first time. If the user wants to log in then he can access through his email address and password provided in his registration process. After logging in he can control the site. When the user fails then he will return to the registration page with errors. There are three common levels of DFD namely Level-0, level-1, and level-2.

Level-0 is the first and basic level of data flow diagram which explains the overview of the project. It is also called context diagram.

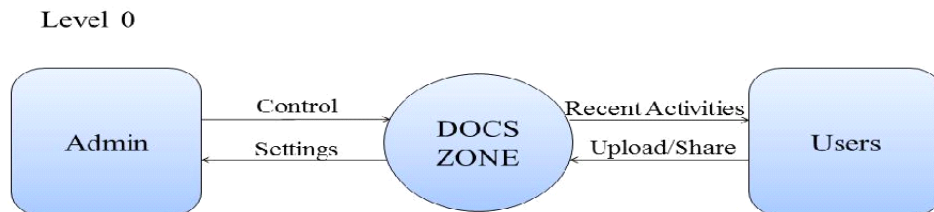


Figure 5.1.1: Level-0 DFD

The diagram shows a simple explanation of the project where the admin is the main controller who controls the flow of the users and can change the settings of the project. The users are the operators who perform his activities when they log in.

Level 1 is the second level of DFD in which level 0 is broken down into pieces and each piece is divided further. It describes more details of the project compared to context level diagram.

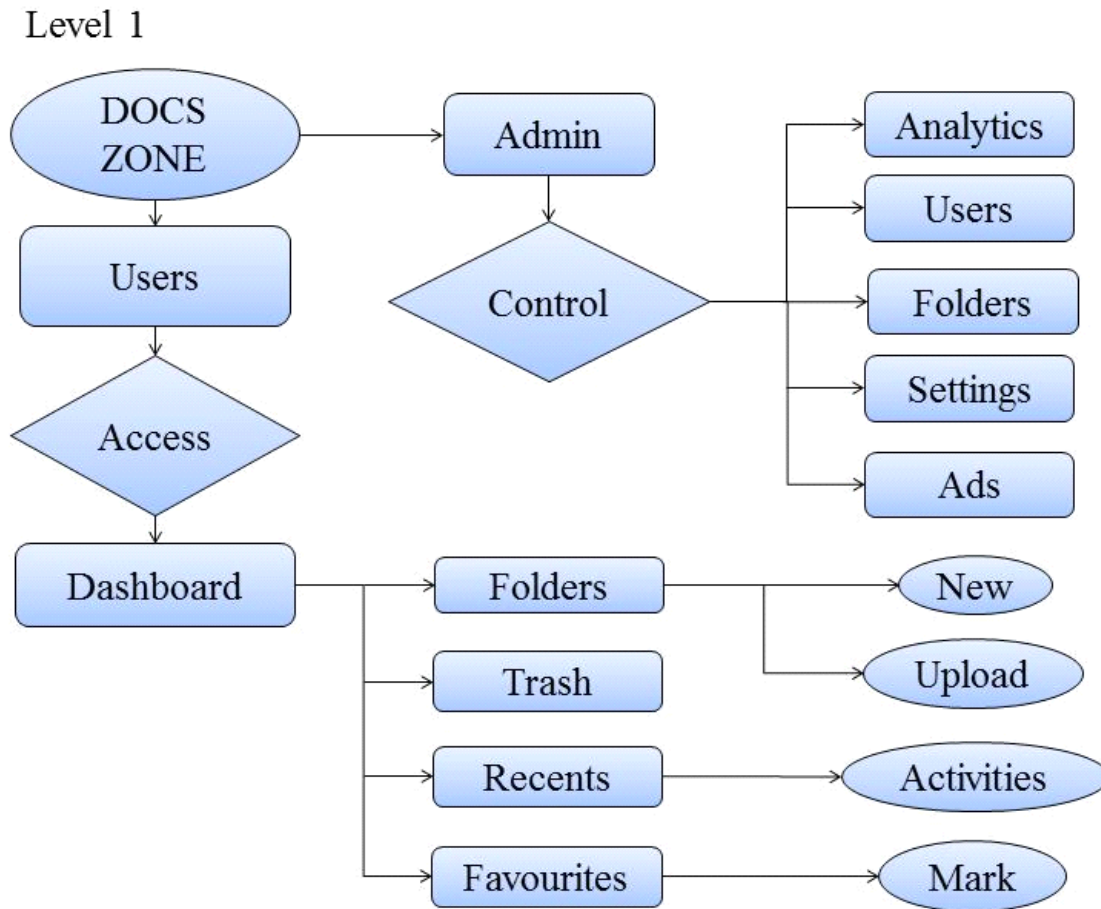


Figure 5.1.2: Level-1 DFD

This diagram shows a little more explanation of the project. The project contains two sides. One is admin and the others are users. The admin controls analytics, users, folders, settings, and ads. The users can access dashboard which contains folders, trash, recent, and favorites. The users can create the new folder or upload a folder. They can view the recent actions performed in recent activity button. They can also mark the file or folder as favorite.

Level 2 is the third level of data flow diagram which explains the project in depth compared to level 1. The diagram is shown below.

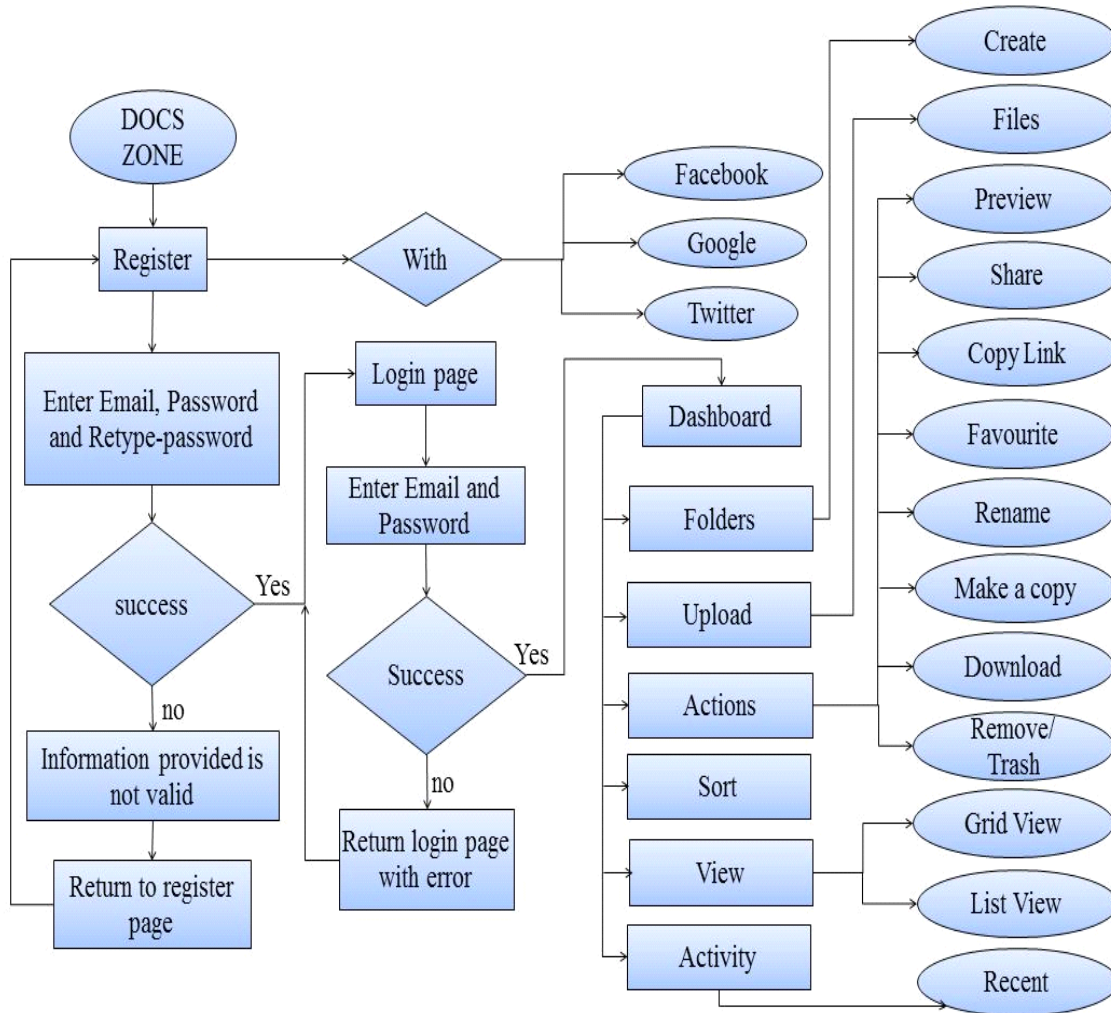


Figure 5.1.3: Level-2 DFD

This diagram explains how the project is and explains in depth. When the users register with the email address and password fields, it enters to the login page. If the register fails an error is shown and return back to register page. Users also can register with Facebook, Google, and Twitter. After entering the email and password of the users in the login page, it enters to dashboard. If the user fails to log in then an error is displayed along with login page. The dashboard contains upload, actions, folders, sort, view, and activities. The users can create folders and upload files. Actions consist of rename, favorite, download, share, copy the link,

remove, and preview. Recent activities are shown at the right. The View consists of grid and list view.

5.2 ER DIAGRAM

An entity relationship diagram describes the relationship among the entities which are stored in the database. The main symbols used in ER-diagram are the rectangle which is used for an entity, rhombus which is used for action and circle which is used for attributes.

The below diagram explains how the flow of the project is taking place as the user registers. When the user registers with his basic information like name, e-mail, password, contact information, and country, he will get a confirmation link in the mail, this helps to log in to the site.

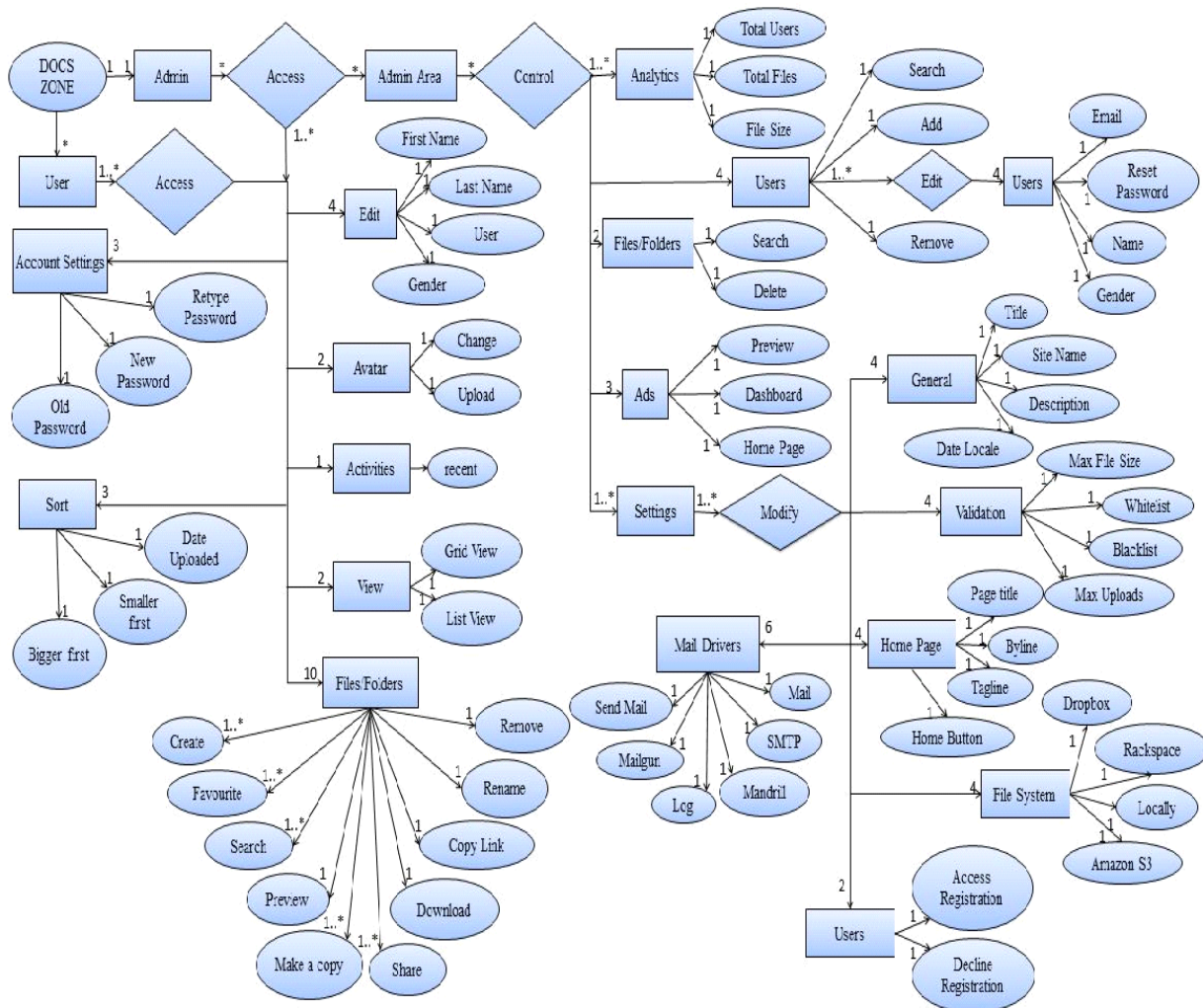


Figure 5.2.1: ER Diagram

5.3 SEQUENCE DIAGRAM

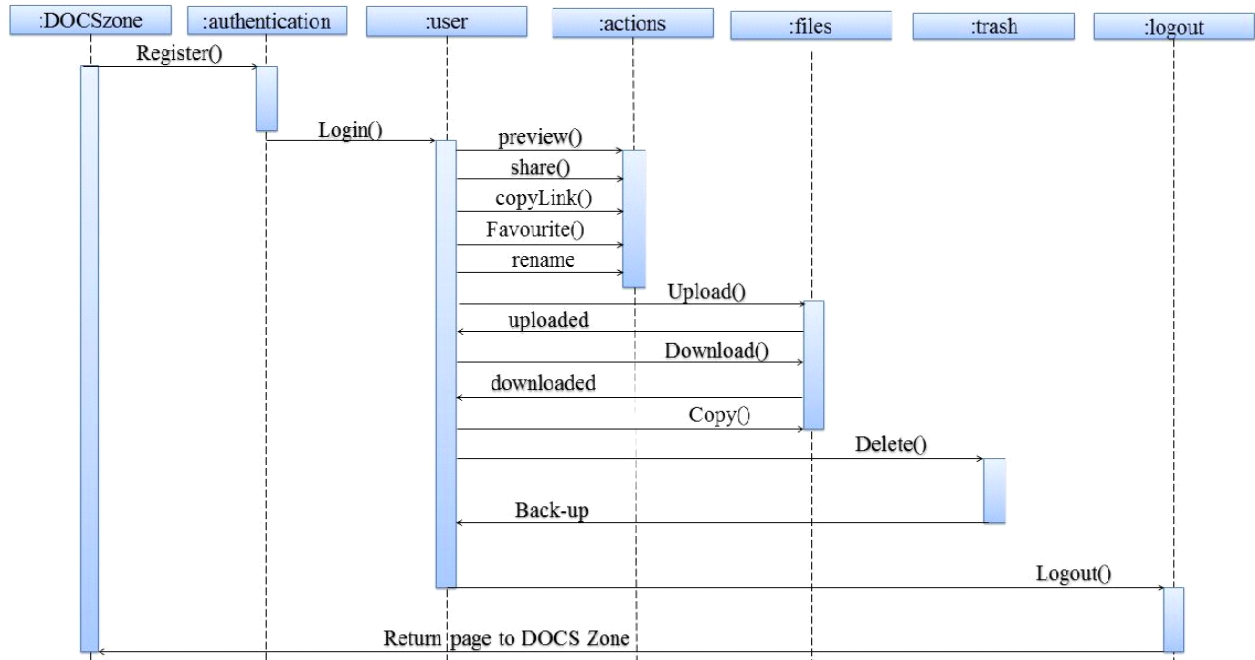


Figure 5.3.1: Sequence Diagram

The diagram shows the sequence of the project. When users register then they are taken to log in page with success message. After logging in to the site users can perform many actions. If the file is uploaded then it returns a success message with the file uploaded. When the users delete then the file or folder has the backup facility. At last, when users' log out, it returns to log in page.

5.4 ACTIVITY DIAGRAM

The activity diagram is a step by step graphical representation of actions and activities. The most important symbols are black circle denotes the start of the activity, rounded rectangles which show action, diamond denotes decisions, arrows flow from the starting point to ending point of the activity, bars denotes split and join activities, and an encircled black circle denotes stop or end of an activity. Below diagram shows the activity diagram of the project.

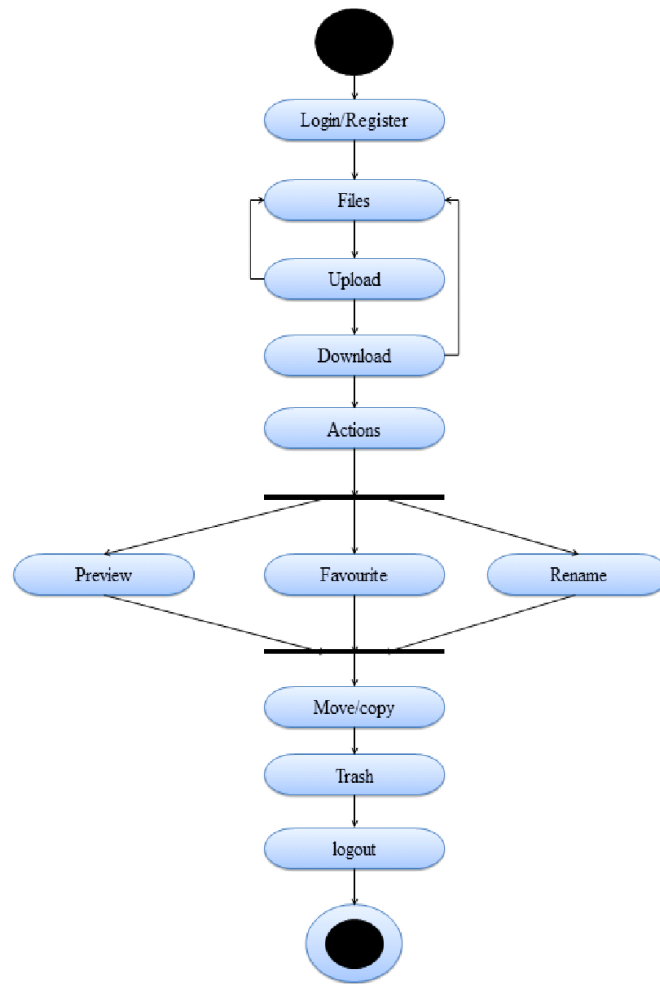


Figure 5.4.1: Activity Diagram

An activity diagram shows the flow of the project. It starts with login or register page. After logging in files can be downloaded and uploaded. Actions are performed with preview, favorite and rename buttons. The users can move the file or folder to other location and copy the link of a file to perform further operations or can copy the link and send to others. The files and folders can be shared to other non-users or users. They can also delete the file which will be saved in trash folder where users can permanently delete or he can restore the file back to original location. By clicking logout button the users will be back to login page.

5.5 USE CASE DIAGRAM

Use Case diagrams are the representation of a behavior diagram which describes a set of activities performed by the system. It collaborates with more apparent users. Use case must give valuable and observable outputs to the actors of the system. It is the requirements which are required for the system usage under analysis or design. It explains how the system or environment works so that it will perform services. Main elements of use cases are included and extend relationships, actor, subject, and use case. An actor is a behavioral distributor which is specified by an external entity that acts together with the subject. For example, users, customers, client, student etc. The subject is a distributor which includes component, subsystem, and class. It is not separately specified as it is attached to actor and use case. Below diagram shows the use case representation.

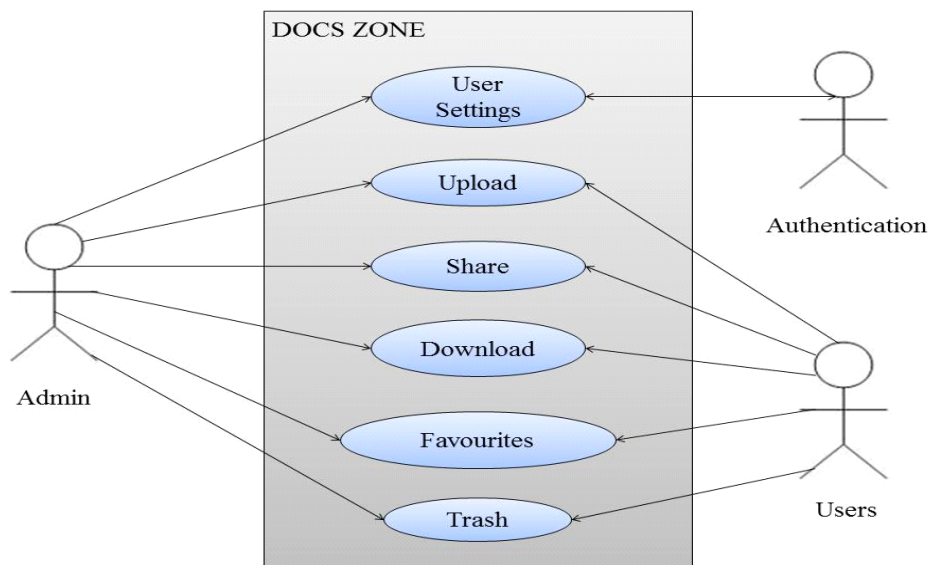


Figure 5.5.1: Use case diagram

The above use case diagram shows how the project works with one or more simultaneous functions. When a user is doing work on some task at the same times other users can also do the same task. There will not be any data loss or merging. Admin can do activities such as share, download, remove, add favorites, and upload than at the same time users also can access the same activities at the same time.

5.6 DATABASE DESIGN

5.6.1 Conceptual schema

The conceptual schema is also called conceptual data model which describes the relationship of concepts used in databases.

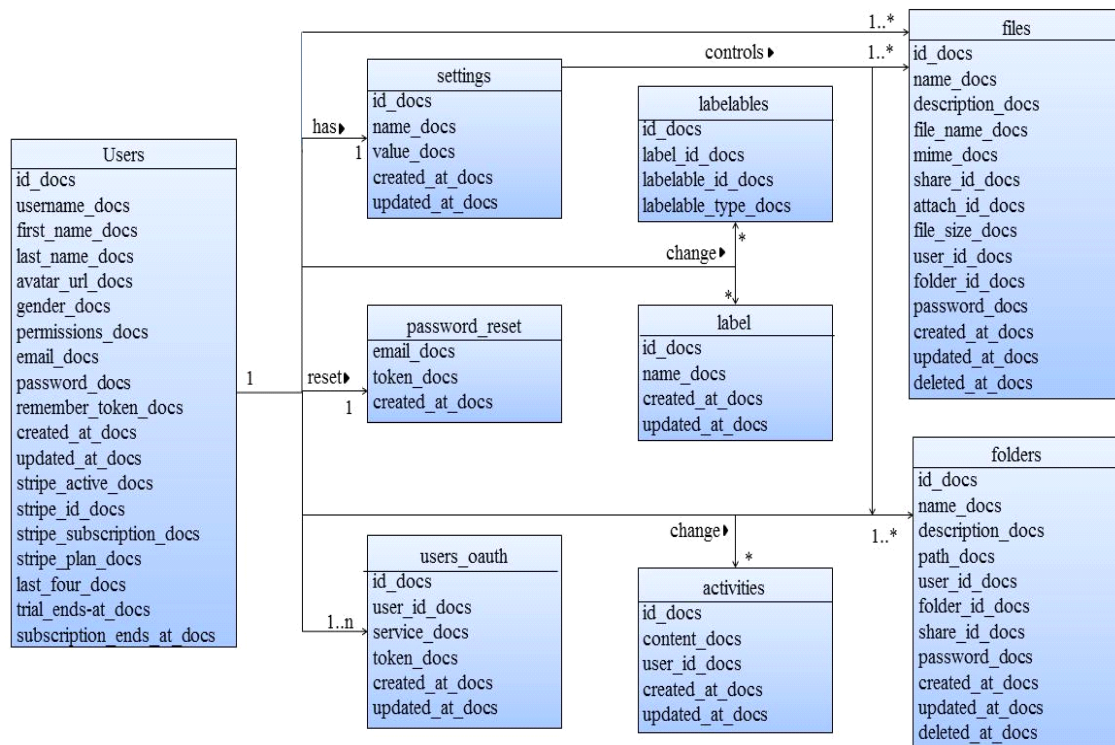


Figure 5.6.1: Conceptual Model

The above figure represents how the database is created for each table. ID is commonly used as primary key. Tables are created to have a copy of the registered users. It helps to analyze and captures the data. It helps to store the data information in the project. There are several tables created to analyze the data and to store safely. Table names are users, settings, labelable, label, activities, files, folders, password_reset, and users_oauth. These tables help to store and analyze the data every time when users or admin login to the site.

5.6.2 Database Table Design

5.6.2.1 Users

Attribute Name	Data Type	Size	Constraints
Id_docs	int	10	Primary Key
username_docs	Varchar	255	Null
fstname_docs	Varchar	255	Null
lstname_docs	Varchar	255	Null
avtrurl_docs	Varchar	255	Null
Gen_docs	Varchar	255	Null
Permission_docs	Text	-	Null
Mail_docs	Varchar	255	Foreign Key (PK)
Pass_docs	Varchar	60	None
remtoken_docs	Varchar	100	Null
create_at_docs	Timestamp	-	-
update_at_docs	Timestamp	-	-
stripe_active_docs	tiny int	4	0
strip_id_docs	Varchar	255	Null
strip_sub_docs	Varchar	255	Null
striplan_docs	Varchar	100	Null
lstfour_docs	Varchar	4	Null
Trial_end_at_docs	Timestamp	-	Null
sub_ends_at_docs	Timestamp	-	Null

Table 5.6.2.1: Users

5.6.2.2 Reset Password

Attribute Name	Data Type	Size	Constraints
Email_docs	Varchar	255	Foreign Key(PK)
Token_docs	Varchar	255	Foreign Key(PK)
created_at_docs	Timestamp	-	-

Table 5.6.2.2: Reset Password

5.6.2.3 Settings

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
Name_docs	Varchar	255	Foreign Key (PK)
Value_docs	Text	-	None
created_at_docs	Timestamp	-	-
updated_at_docs	Timestamp	-	-

Table 5.6.2.3: Settings

5.6.2.4 Authentication Users

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
user_id_docs	Int	11	Foreign Key (PK)
Service_docs	Varchar	255	Foreign Key (PK)
Token_docs	Varchar	255	Foreign Key (PK)
created_at_docs	Timestamp	-	-
updated_at_docs	Timestamp	-	-

Table 5.6.2.4: Authentication Users

5.6.2.5 Labelable

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
label_id_docs	Int	11	Foreign Key (PK)
labelable_id_docs	Int	11	Foreign Key (PK)
labelable_token_docs	Varchar	255	Foreign Key (PK)

Table 5.6.2.5: Labels

5.6.2.6 Activity

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
Content_docs	long text		None
user_id_docs	Int	11	Foreign Key (PK)
created_at_docs	Timestamp	-	-
updated_at_docs	Timestamp	-	-

Table 5.6.2.6: Activity

5.6.2.7 Files

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
Nam_docs	Varchar	255	None
Describe_docs	Varchar	150	Null
file_docs	Varchar	255	None
Mim_docs	Varchar	50	Text/plain
shar_id_docs	Varchar	20	Foreign Key (PK)
atach_id_docs	Varchar	15	Foreign Key (PK)

Size_file_docs	Int	11	Null
usr_id_docs	Int	11	Foreign Key (PK)
foldr_id_docs	Int	11	Null
Pass_docs	Varchar	255	Null
create_at_docs	Timestamp	-	-
update_at_docs	Timestamp	-	-
delete_at_docs	Timestamp	-	Null

Table 5.6.2.7: Files

5.6.2.8 Folders

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
Name_docs	Varchar	255	None
Description_docs	Varchar	150	Null
Path_docs	Text	255	Null
user_id_docs	Int	11	Foreign Key (PK)
folder_id_docs	Int	11	Foreign Key (PK)
share_id_docs	Varchar	20	Foreign Key (PK)
Pass_docs	Varchar	255	Null
create_at_docs	Timestamp	-	-
update_at_docs	Timestamp	-	-
delete_at_docs	Timestamp	-	Null

Table 5.6.2.8: Folders

5.6.2.9 Label

Attribute Name	Data Type	Size	Constraints
Id_docs	Int	10	Primary Key
Name_docs	Varchar	255	Foreign Key (PK)
created_at_docs	Timestamp	-	-
updated_at_docs	Timestamp	-	-

Table 5.6.2.9: Label

CHAPTER 6

IMPLEMENTATION

Implementation is the action of executing a plan, idea, model, design, standard specification policy or algorithm. It deals with the specification, computer system, program of an algorithm, software programming or deployment. It deals with the implementation of the project. This project uses modules like register, login, upload, share, collaboration, download, send, move and copy. A register is used fill the user's information to access login. Register page consists of email and password confirmation details where a user gets a key to login to the site from any personal computers or any gadgets. The user may log in for personal use or business use. Business and personal user can register with their e-mail address and password. After providing their basic information they can log in to the site through the link. They can access the link through a mail. Then they can log in anytime and anywhere with e-mail and password. After login there are several operations provided by the DOCS Zone are upload, share, rename, add the favorite, move, preview, remove, copy link, download, and copy. When users click each field it goes to respective pages where the users can upload files and folders to share or to keep a record safe for future usage. Users also can send files or folders to others with a mail address and non-users can view the file without downloading. Non-users may not have to log in. Users also can share files or folders to non-users by Facebook, Pinterest, Google+, Tumblr, Stumbleupon, Blogger, and Twitter. The users send a path with nonuser's mail ID so that he can view the file. Users can share where he collaborated with people who are other users of DOCS Zone. If users want to download then he can download and also can preview the file. In preview share, download and copy link options are available where share helps to send files to others, download helps to have a copy of a file and copy link helps to copy the link on the clipboard.

In this DOCS Zone, we are using Bootstrap, CSS, JavaScript and Angular JS to design the web pages. They are used as a front end. Laravel which is an open source language with PHP as a framework is used as the back end. To support this software's it uses composer and Sublime Text. This project provides drag and drop option to upload files. So, here dropzone is used for drag and drop the files to upload. Laravel has the facility to work on the database. Each database

table contains model which is corresponding to the database and interact with the database table. It can register new records to the table.

The eloquent model assumes that each table contains a primary key called id and by default, it increments the value of an integer. Eloquent has several advantages like updating and updated, deleting and deleted, saving and saved, creating and created, and restoring and restored. So it is used for simple operative record implementation on working with database and provides beautiful operation.

6.1 SCREENSHOTS OF DOCS ZONE

6.1.1 Landing page

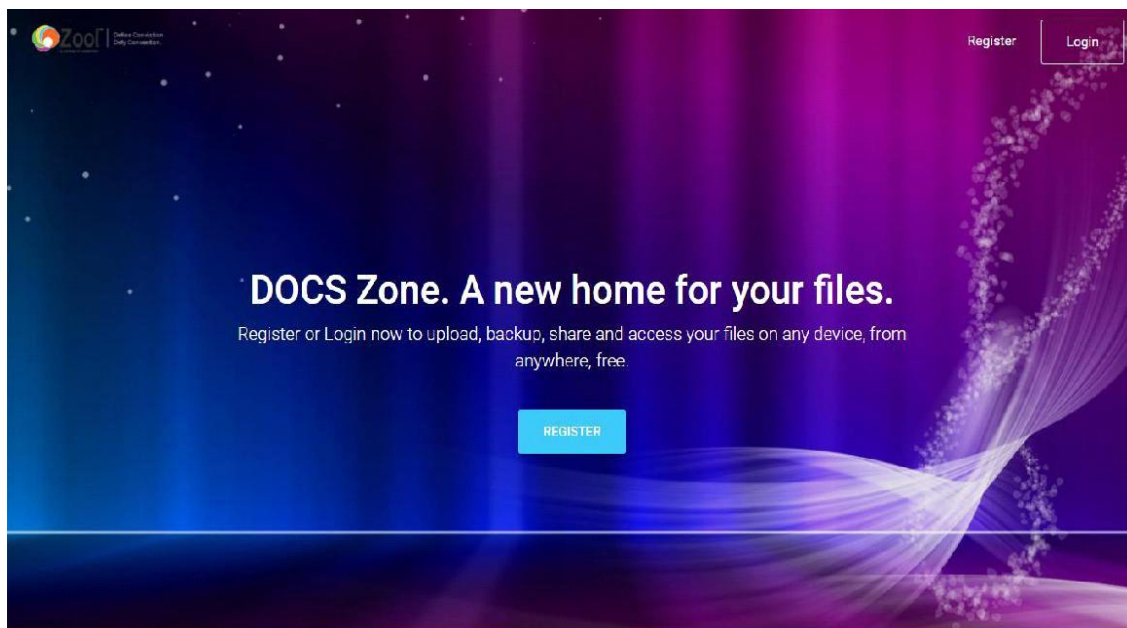


Figure 6.1.1: Landing Page

The first page when the new users access the site is the landing page. It has wordings which describe the project in short. Below the wordings, register button is there to access the site for new users. When the user clicks register it takes to register page.

6.1.2 Register and Login Page

The image shows two side-by-side forms for the Zool website. Both forms feature the Zool logo and tagline "Define Conviction. Defy Convention." at the top. The left form is for registration, with fields for "Email", "Password", and "Repeat Password", a "REGISTER" button, and social media icons for Facebook, Google+, and Twitter. Below the registration form is a link: "Already have an account? [Login in here.](#)". The right form is for login, with fields for "Email" and "Password", a "Forgot?" link, a checked "Remember me" checkbox, and a "LOGIN" button. Below the login form is a link: "Don't have an account? [Register here.](#) Or login with:" followed by social media icons for Facebook, Google+, and Twitter.

Figure 6.1.2: Register and Login Page

After clicking the register button, a new page with email, password, and retype password fields are available. Entering the details the user can log into the login page. They can also login to social sites like Twitter, Google+, and Facebook. After registering the users' can log in anytime with their email and password provided at the time of register.

6.1.3 USERS:

6.1.3.1 Dashboard

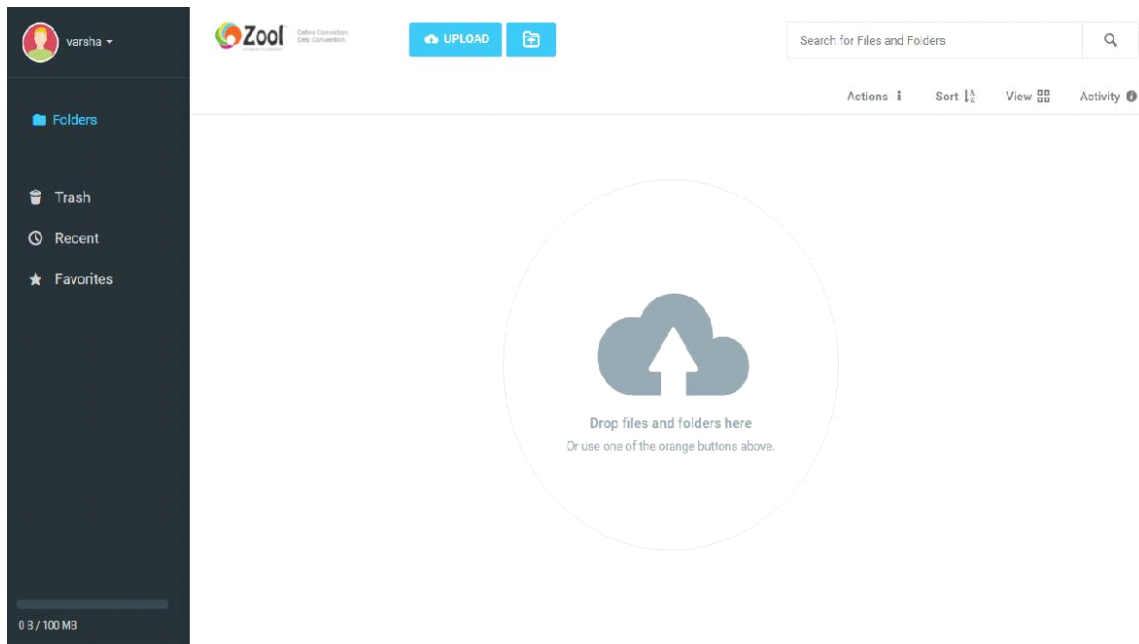


Figure 6.1.3.1: Dashboard

After logging in the dashboard is available with several options which consist of the user profile, folders, and trash, recent, and favorites at the left column, upload, create, actions, view, sort, search, drag, and drop options in the middle column. At the bottom left corner, the capacity of the file storage is indicated. The users can see all the performances of the site by having a glance at the dashboard. When they click each field, it takes to the respective pages.

6.1.3.2 Upload and Preview

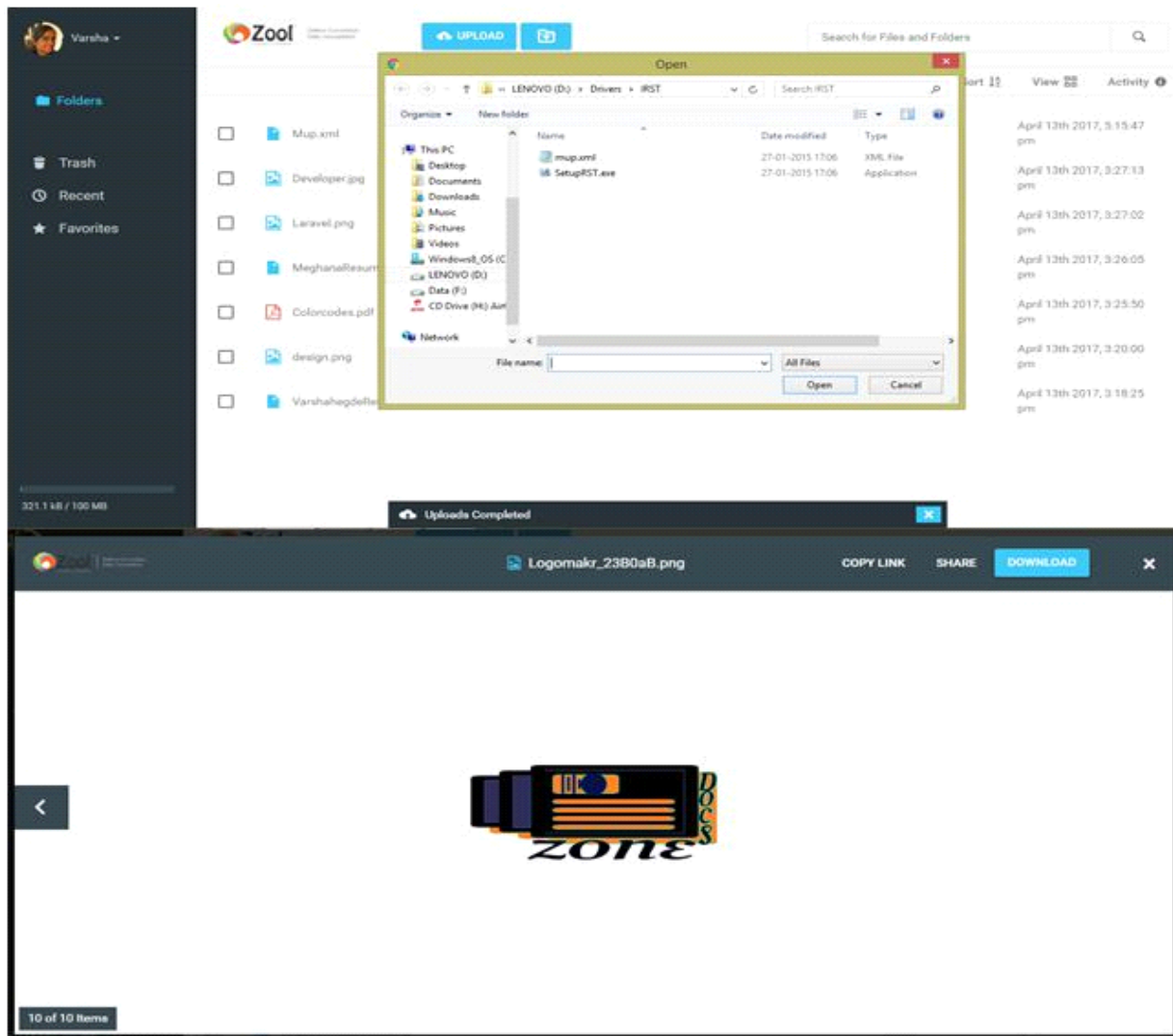


Figure 6.1.3.2: Upload and Preview

The users also can drag and drop the file to upload. Preview is used to view a file. When they view the file they can see copy link, download, and share buttons at the top right corner along with the file. Both upload and preview are shown in the above image.

6.1.3.3 Actions

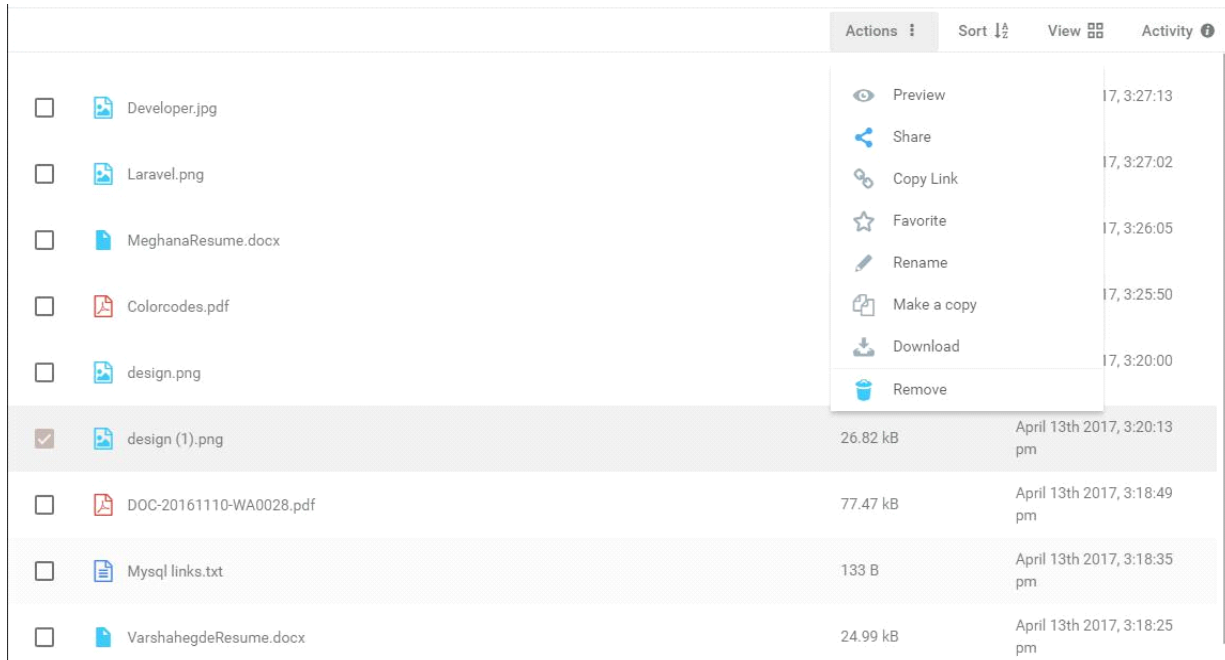


Figure 6.1.3.3: Actions

When the users right-click on a file or folder, they can see a list of actions a site can perform with individual file or folder. The users can also see the actions at the top as shown in the above figure. After clicking a file the action button is shown with preview, copy the link, share, favorite, rename, remove, download and make a copy fields. Each field takes to the respective pages when the user clicks.

6.1.3.4 Share and create

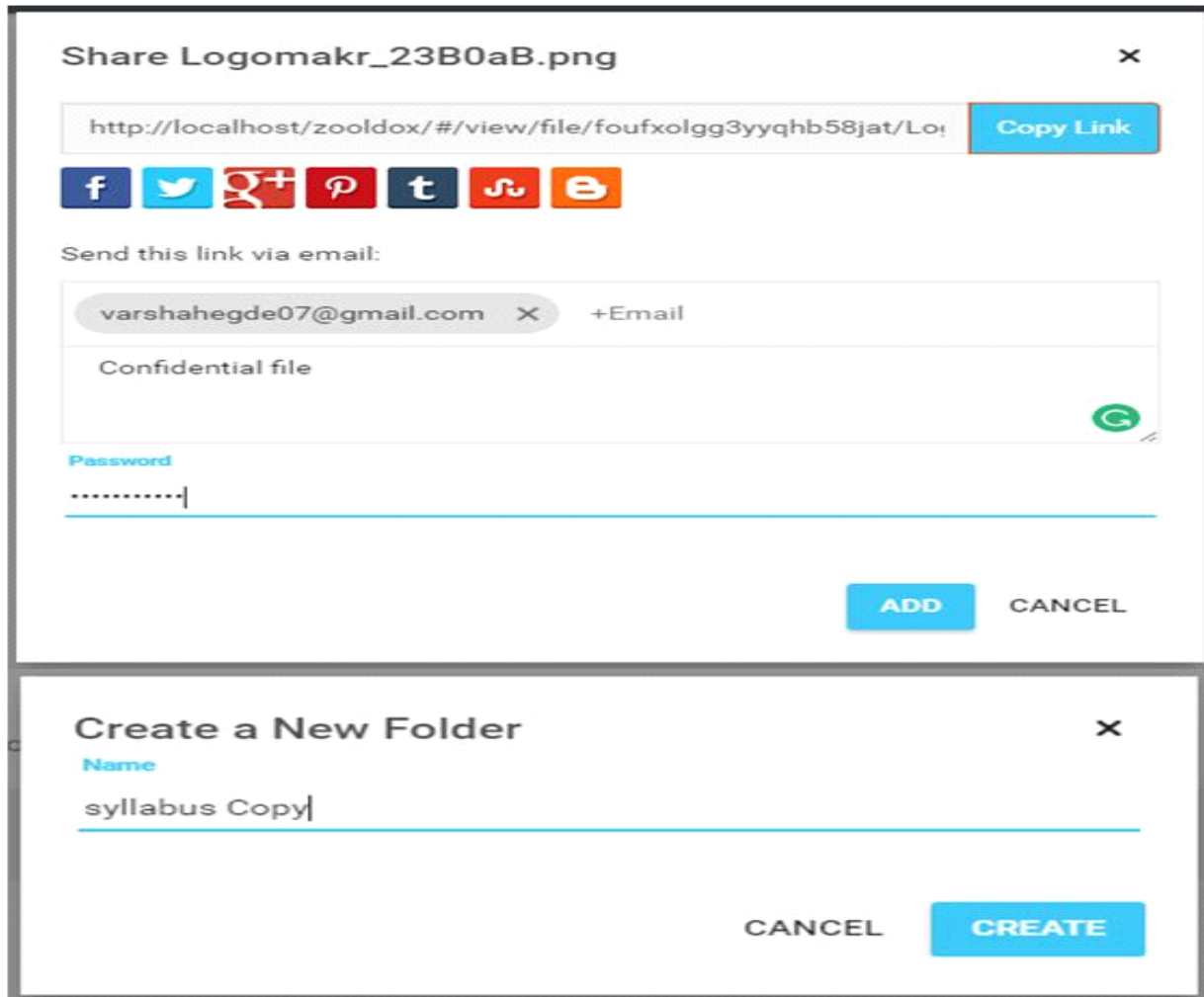


Figure 6.1.3.4: Share and create

Share helps to transfer files to other persons. The above figure shows how the share page is. It consists of link, social sites, email, message with grammar check, password field if required, cancel button and add button. If users want to create a new folder then the above figure shows how the page is. It consists of name field with cancel and creates buttons.

6.1.3.5 Sort

The figure consists of three screenshots of a file manager interface, each showing a list of files and a 'Sort' dropdown menu. The files listed are: Colorcodes.pdf (59.7 kB), Developer.jpg (35.08 kB), design.png (26.82 kB), VarshahegdeResume.docx (24.99 kB), MeghanaResume.docx (24.07 kB), Laravel.png (20.49 kB), and Mup.xml (17.91 kB). The 'Sort' menu options are: Name, Size - bigger first, Size - smaller first, and Date Uploaded. The first screenshot shows the files sorted by Name. The second screenshot shows the files sorted by Size - smaller first. The third screenshot shows the files sorted by Date Uploaded.

File Name	Size	Date Uploaded
Colorcodes.pdf	59.7 kB	April 13th 2017, 3:25:50 pm
Developer.jpg	35.08 kB	April 13th 2017, 3:27:13 pm
design.png	26.82 kB	April 13th 2017, 3:20:00 pm
VarshahegdeResume.docx	24.99 kB	April 13th 2017, 3:18:25 pm
MeghanaResume.docx	24.07 kB	April 13th 2017, 3:26:05 pm
Laravel.png	20.49 kB	April 13th 2017, 3:27:02 pm
Mup.xml	17.91 kB	April 13th 2017, 5:15:47 pm

Figure 6.1.3.5: Sort

Sort helps to arrange the file according to the selected options provided. There are three options where the users can view according to the date and according to the size bigger to smaller or smaller to bigger. The above figure shows how all the three possibilities of file arrangement are done.

6.1.3.6 User Settings

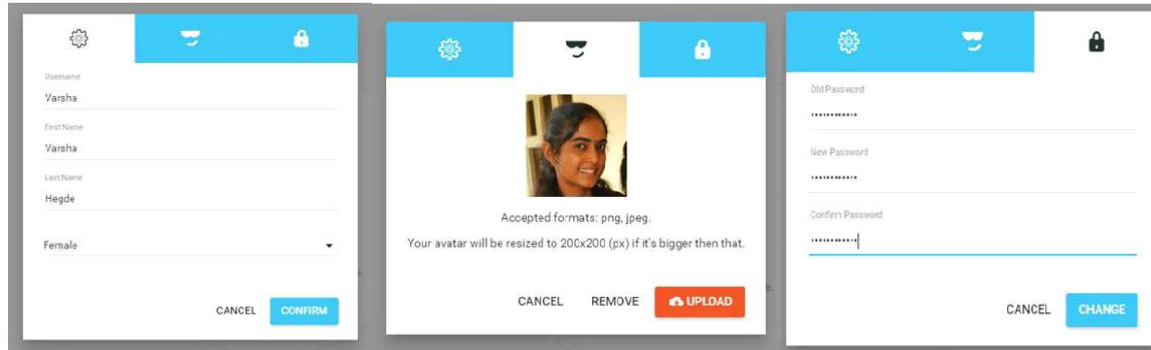


Figure 6.1.3.6: User Settings

The user can change the profile information by clicking on account settings at the profile in the dashboard. When they click account settings, it consists of three parts. The first part can be able to edit the username, first name, last name, and gender. The second part is able to change the profile photo where it accepts 200*200 pixels and a specific image format (JPEG and PNG) if the image size is bigger than it automatically fixes the default size. The third part where a user can change the password, it consists of old password, new password, and confirm password fields with cancel and change button. The above figure explains how the page is in the account settings.

6.1.3.7 View

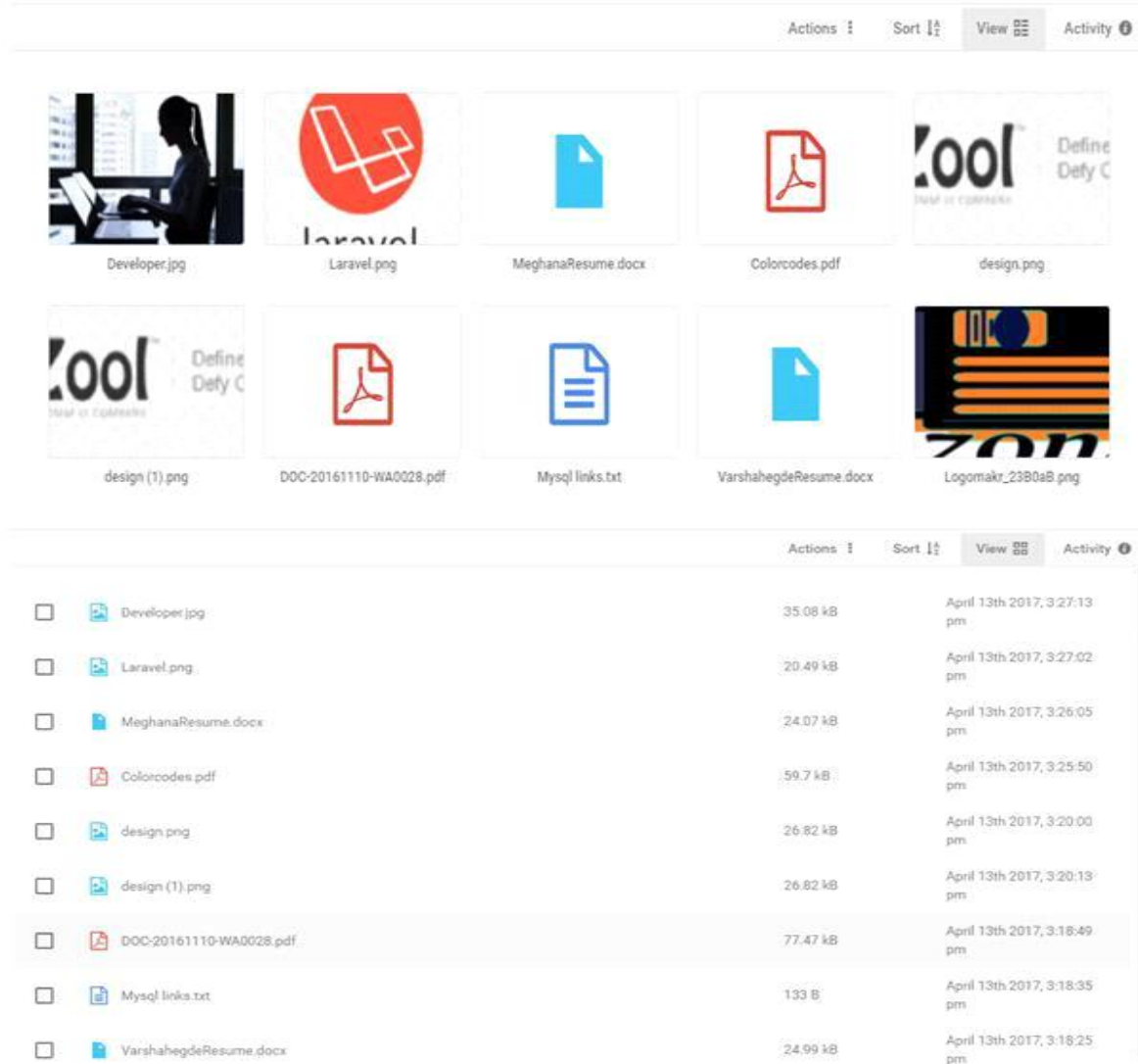


Figure 6.1.3.7: View

View helps to see the file according to the options provided. There are two options, grid view, and list view. The grid helps to see the file in tabular view and the files are seen in the larger size. The list helps to see the file arrangement in a vertical order. Both consist of scroll bar where they can scroll if there is more number of files. By selecting the view button at the top then they can view in grid or list view according to the user's interest. The figure is shown above.

6.1.3.8 Search and Favourite

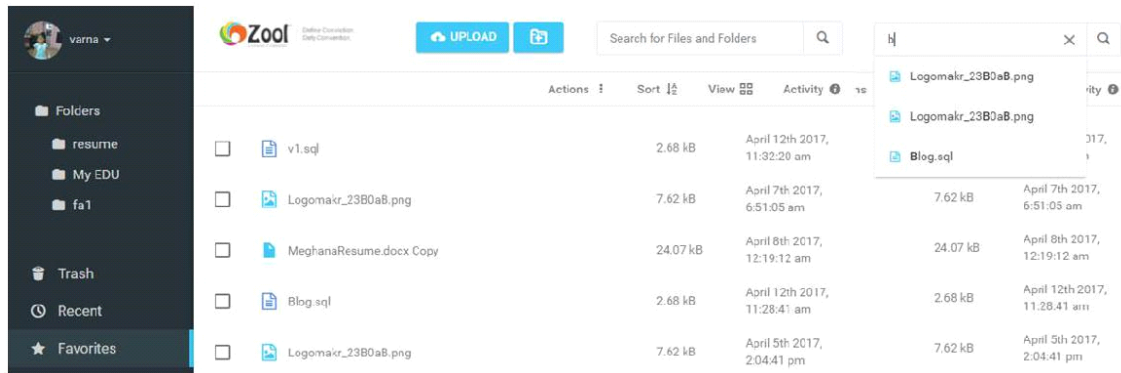
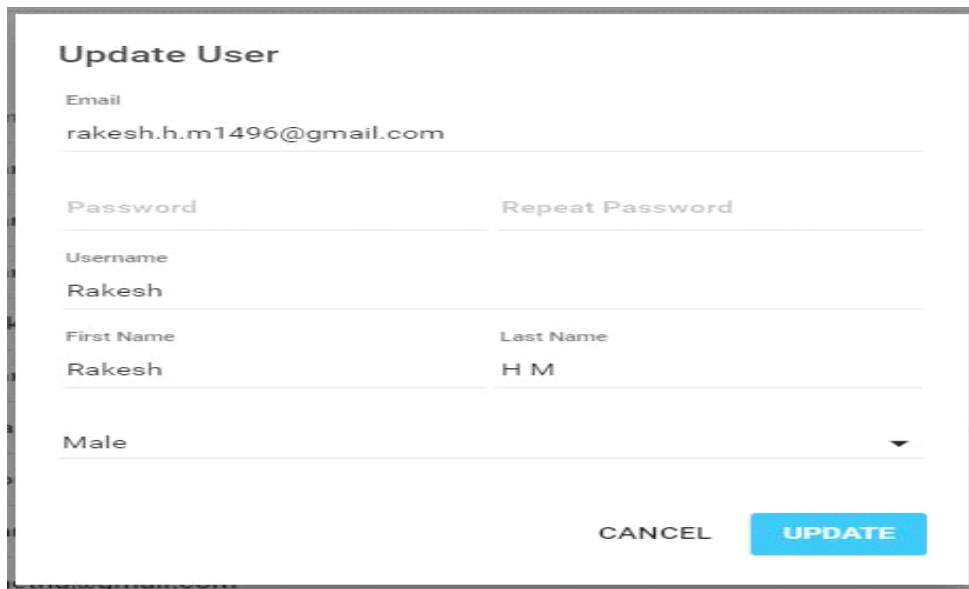


Figure 6.1.3.8: Search and Favorites

Search helps to find the file by entering characters of the file name. If the characters entered matches then the file is automatically loaded and the users can see the file below. Favorites are a folder which consists of linked files or folders. The users when they right click on the file or folder a list of actions which includes favorite appears. When the user clicks favorite then the file or folder is added to the favorite page.

6.1.4 ADMIN:

6.1.4.1 Update User



The screenshot displays a web form titled "Update User". The form contains the following fields and controls:

- Email:** A text input field containing the value "rakesh.h.m1496@gmail.com".
- Password:** A text input field.
- Repeat Password:** A text input field.
- Username:** A text input field containing the value "Rakesh".
- First Name:** A text input field containing the value "Rakesh".
- Last Name:** A text input field containing the value "H M".
- Gender:** A dropdown menu with "Male" selected.
- Buttons:** Two buttons are located at the bottom right: a "CANCEL" button and a blue "UPDATE" button.

Figure 6.1.4.1.: Update User

The admin can update user information if the user is doing malpractice and have a copy of that user. This page consists of email, password, repeat password, username, first name, last name, and gender fields with cancel and update button. The above figure shows how the admin can change the users' details.

6.1.4.2 Analytics and Users

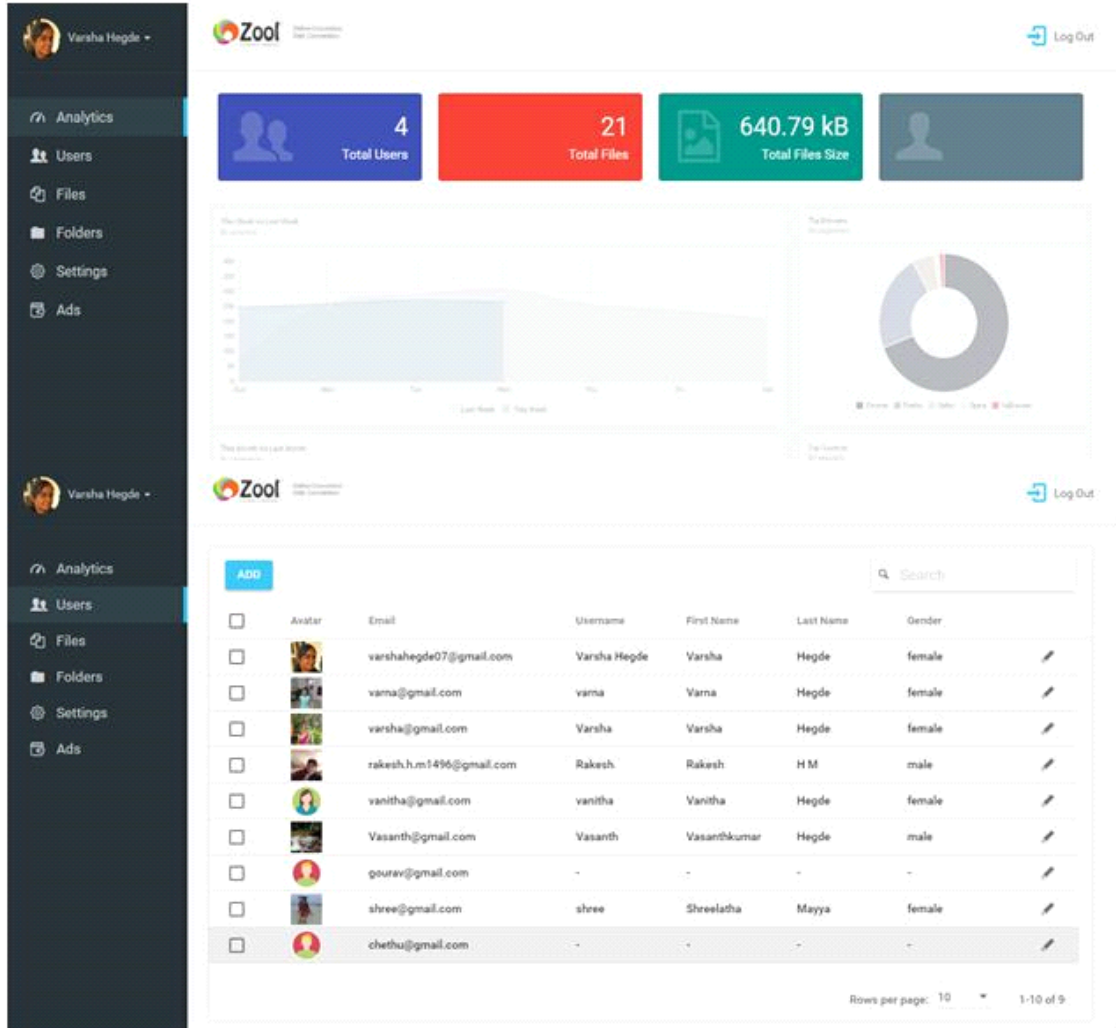


Figure 6.1.4.2.: Analytics and Users

Analytics shows the analysis of statistics of users, files and size of the file. It shows how many users are registered, how many files are uploaded by the users and the total size of the file. The users' part shows how many users are registered. The admin can delete the selected user and also can update the user. Search is provided to find a specific user. The above diagram shows the analytics and user part.

6.1.4.3 Files and Folders

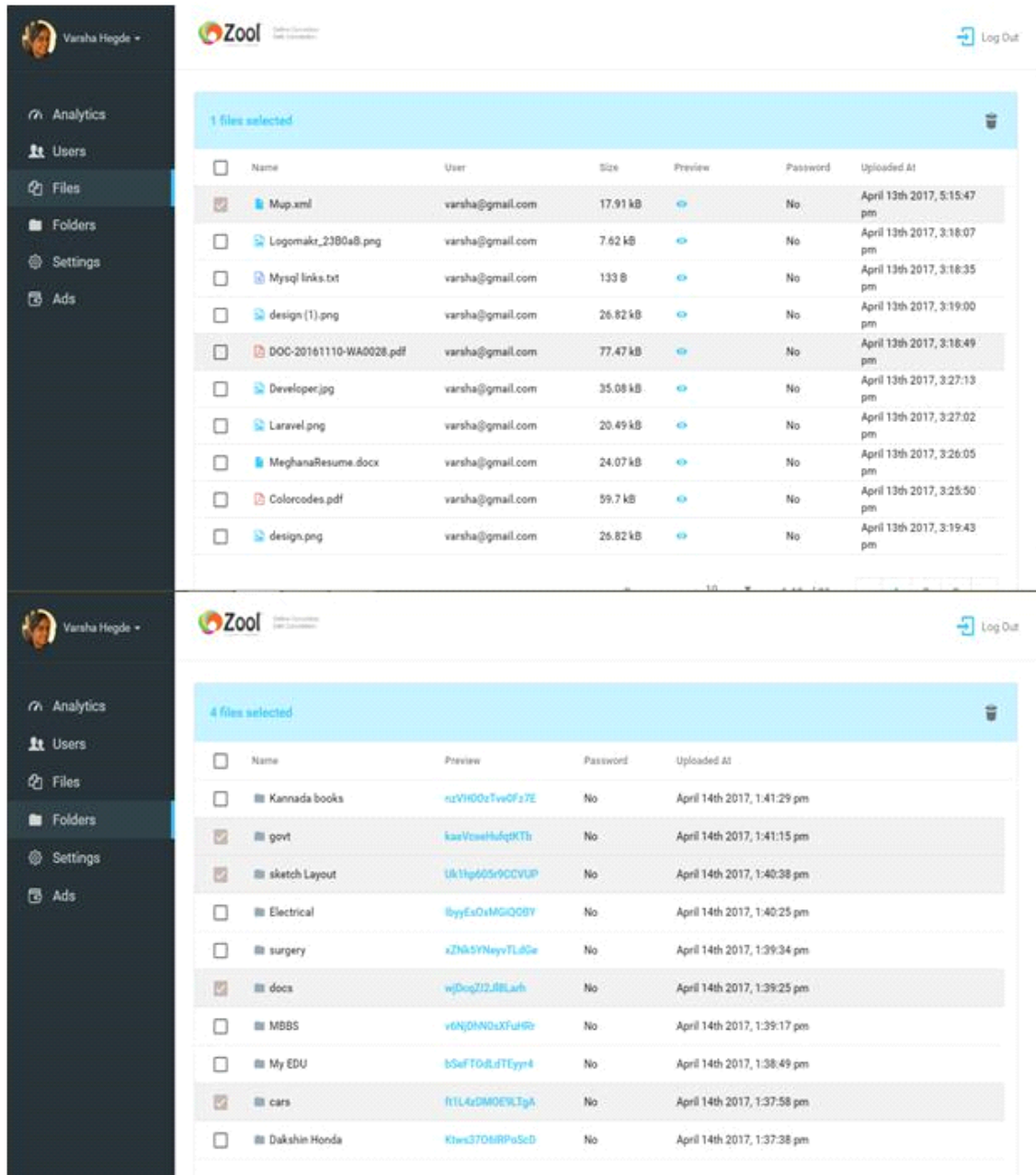


Figure 6.1.4.3: Files and folders

The admin can see all files uploaded by the user. By selecting the file he can delete the file if needed. He can also view all the folders created and uploaded by the users. He can also delete the folders by selecting the specific folder. The above figure shows files and folders list of the users created and uploaded.

6.1.4.4 Settings and Ads

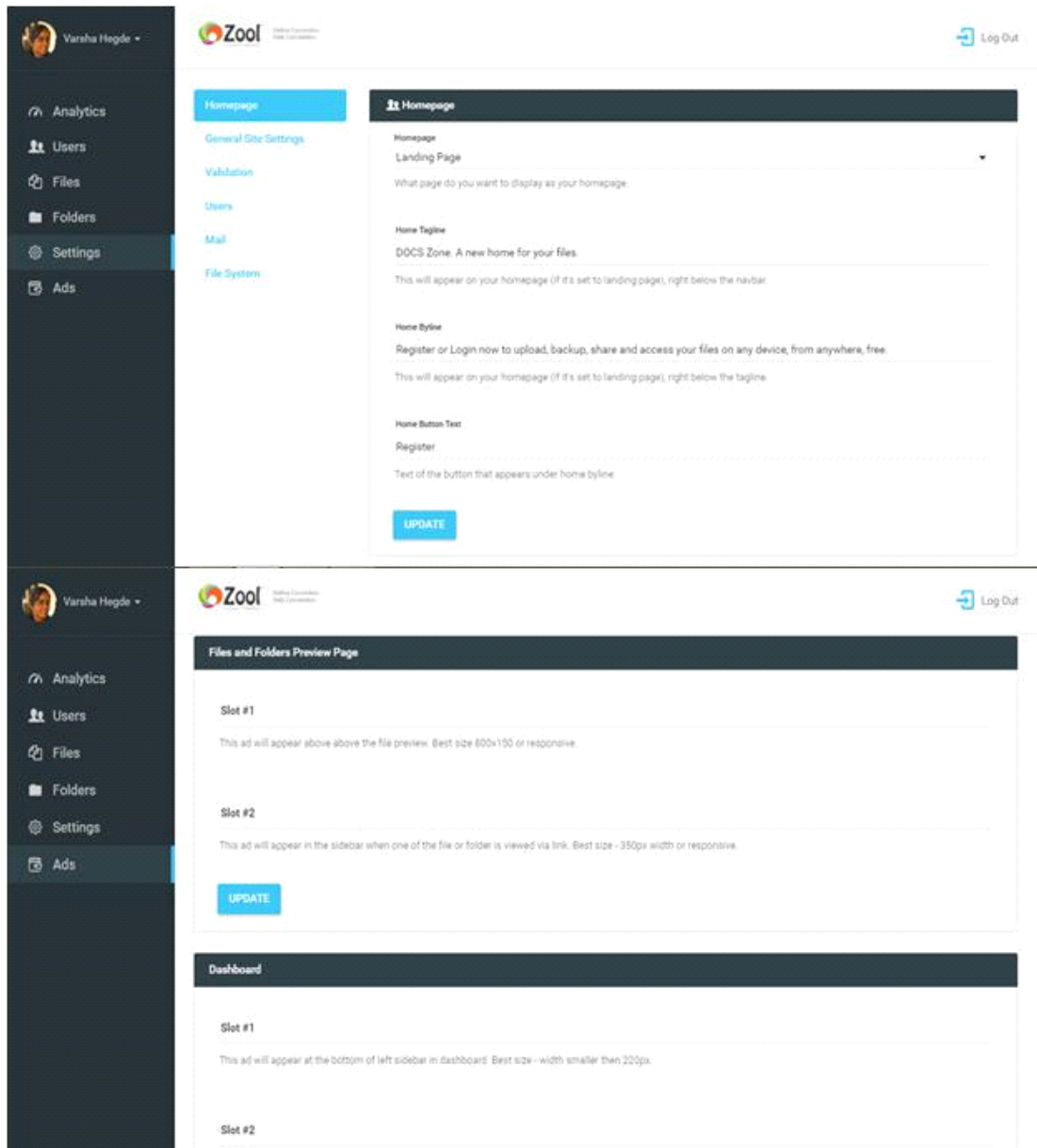


Figure 6.1.4.4: Settings and Ads

The admin can change the settings of the homepage, general settings, users, mail, validation, and file system. Inside the homepage, he can change the tagline, by-line, and buttons. In general settings, he can change the name and title. Registration is enabled or disabled in users settings, file size can be extended by validation; he can change the mail drivers in the mail and can make default file system in file settings. Ads show the advertisement where admin can change the preview of dashboard, homepage, files, and folders.

CHAPTER 7

SOFTWARE TESTING

The components of software testing include requirements, giving results to all kind of inputs, performing functions with accurate time, used sufficiently, can be run in any environment, and achieving the results. It also provides the consequences of risks in software implementation. It keeps finding the software bugs (defects or errors) and helps to verify whether the software product is suited for use or not. There are several testing methods which use some generalship to choose a test that is practicable or feasible for the specific available resources and time.

7.1 LEVELS

System testing is a step-by-step process of software testing where entire integrated software is examined and tested. It verifies whether it meets the requirements. Following explains the system testing levels which include integration testing, unit testing, system testing, and acceptance testing.

7.1.1 Unit testing

It is written by developers because they will work on typing the codes to ensure that whether the function is working as he needs. There may be several tests for one function to hold the branches or corners cases of code. It cannot verify the functionality of the software alone but it checks whether the software is working independently or not from each other. It is the action of software development process which has an application which is synchronized and strategies of detection to reduce time, risk, and costs of software development. It is executed by an engineer or software developer in the development phase of the software growth lifecycle

7.1.1.1 Register

Test No.	Test Case	Expected Output	Actual Output	Result
1	Empty Fields in register page	It should show a message that the fields are empty and please fill the empty fields to register.	The Message is shown successfully.	Pass
2	Register	After clicking	A text box	Pass

		register button on the home page it takes to register page.	appears with the input field to write the email.	
3	Invalid email	When the user enters incorrect email, it shows an error that you must enter a valid email address.	The message shows that you must enter a valid email address.	Pass
4	Email	By clicking on email a text box appears to fill the respective email.	A text box appears with the input field to write the email.	Pass
5	Password and retype- password	By clicking on password a text box appears to fill the password and the password is converted to hashed form	The text box appears with the input field to write the password and password is converted to hashed form.	Pass
6	Password Validation	Password must be maximum of 8 characters with a special character.	Successfully validation works.	Pass
7	Registered button	After filling every information click register button at the bottom right corner and it shows a message that you have been successfully registered.	The message shows that you have been successfully registered.	Pass
8	Login here	When users click this link, it directly goes to login page.	The login page appears successfully.	Pass

Table 7.1.1.1: Unit Test Cases for the module register

7.1.1.2 Login

Test No.	Test Case	Expected Output	Actual Output	Result
1	Login	When users click the login button on the homepage then it takes to the login page.	The login page successfully loaded.	Pass
2	Empty fields in login page	It should the message that the fields are empty and please fill the empty fields to login.	The message is shown successfully.	Pass
3	Email	By clicking on email a text box appears to fill the respective email.	The text box appears with the input field to write the email.	Pass
4	Invalid email address	A message is shown that the email provided must be a valid email address.	Successfully message appears.	Pass
5	Password	By clicking on password a text box appears to fill the password.	The text box appears with the input field to write the password and password is converted to hashed form.	Pass
6	Wrong email with correct password	The email you have typed is incorrect	The message is displayed successfully	Pass
7	Wrong password	The password you have typed is incorrect.	The message is displayed successfully.	Pass
8	Wrong email and password	Email and password provided are not registered.	The message is shown with the error.	Pass
9	Login button	When you click login button after entering the	Dashboard page appears successfully.	Pass

		Login details a user's Dashboard page appears.		
10	Remember me	When users click this checkbox, it remembers the password when users want to log in again.	The password is remembered successfully.	Pass
11	Forgot?	This field inside the password will help to recover the password when users forgot. A dialog box appears with email field and a send button.	A dialog box appears Successfully with email fields and sends mail button.	Pass
12	Login here	When users click this link, it directly goes to login page.	The login page appears successfully.	Pass

Table 7.1.1.2: Unit Test Cases for the module login

7.1.1.3 Upload

Test No.	Test Case	Expected Output	Actual Output	Result
1	Upload	After clicking the upload button, a dialog box must open.	A dialog box opens and can search the files to upload.	Pass
2	Drag and drop	Users can also drag and drop the files to upload.	Drag and drop work successfully.	pass

Table 7.1.1.3: Unit Test Cases for the module upload

7.1.1.4 Share

Test No.	Test Case	Expected Output	Actual Output	Result
1	Actions	After clicking action share option is available.	Users can see share option.	Pass
2	Share	After clicking share users can see a dialog box which contains email and message fields.	A dialog box opens successfully.	Pass
3	Copy link	By clicking copy link a message will appear that the link is copied to the clipboard.	The message successfully displayed and the link is copied to the clipboard.	Pass
4	Google+, Twitter, Pinterest, Tumblr, Blogger, Stumbleupon, and Facebook	When users click these links a dialog box appears where they can share through these social networks.	A dialog box appears to Share using social networks.	Pass
5	+Email	When users click this input box they can write the email address of other users or non-users.	Email addresses are written and successfully sent.	Pass
6	Message	When users click message then an input box is shown to write the subject or Information related to that file.	The input box is shown.	Pass
7	Password	When users click this link a password field appears.	The password field appears successfully.	Pass

Table 7.1.1.4: Unit Test Cases for the module share

7.1.1.5 Download

Test No.	Test Case	Expected output	Actual Output	Result
1	Actions	After clicking Download option available.	Users can see the download option.	Pass
2	Download	By clicking download the file will be downloaded and users can see the files in the download folders.	Successfully downloads the download folder.	Pass

Table 7.1.1.5: Unit Test Cases for the module download

7.1.1.6 Sort and view

Test No.	Test Case	Expected output	Actual Output	Result
1	Sort in ascending order	When the user clicks this, the files will be arranged on the basis of file size where smaller sized file is at first and bigger size files will be at last.	Files are arranged in ascending order.	Pass
2	Sort in descending order	When the user clicks this, the files will be arranged on the basis of file size where bigger sized file is at first and smaller sized files will be at last.	Files are arranged descending order.	Pass

3	Sort according to the date uploaded	After clicking the sort option then files are arranged according to the date.	Successfully arranges according to the date.	Pass
4	List View	When the user clicks this, the files will be arranged in a list.	Files are arranged in a list.	Pass
5	Grid View	When the user clicks this, the files will be arranged in the tabular view.	Files are arranged in the tabular view.	Pass

Table 7.1.1.6: Unit Test Cases for the module sort and view

7.1.1.7 Make a copy and create

Test No.	Test Case	Expected output	Actual Output	Result
1	Actions	After clicking action, make a copy option is available.	Users can see make a copy option.	Pass
2	Make a copy	By clicking make a copy the file will be copied and users can see another copy of a file.	Replica of a file is created.	Pass
3	Create	By clicking create the symbol, a dialog box appears.	A dialog box appears with input name and creates button.	Pass

Table 7.1.1.7: Unit Test Cases for the module make a copy and create

7.1.1.8 Rename and favorite

Test No.	Test Case	Expected output	Actual Output	Result
1	Actions	After clicking action, rename and the favorite option are available.	Users can see rename and favorite option.	Pass
2	Rename	After clicking rename and the option are available.	A dialog box appears successfully.	Pass
3	Rename button	After entering the new name of the file, users click rename then the file is renamed and saved.	The file with updated name is created	Pass
4	Favorite	By clicking favorite the file or folder is added to favorite.	The file is successfully added to favorite.	Pass

Table 7.1.1.8: Unit Test Cases for the module rename and favorite

7.1.1.9 Recent activities and move

Test No.	Test Case	Expected output	Actual Output	Result
1	Recent activities	After clicking activities button, the right panel is seen with recent activities listed.	The right inner panel is seen with activities listed.	Pass
2	Actions	After clicking action, move to option is available.	Users can see the move to option.	Pass
3	Move to	By clicking move to, a dialog box appears with names of the existing folders in the drop down.	A dialog box appears with existing folders in the drop down menu.	Pass
4	Move button	When users click	Successfully file	Pass

		move button, the file or folder will move to that particular selected folder.	or folder is moved.	
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Table 7.1.1.9: Unit Test Cases for the module recent activities and move

7.1.1.10 Trash

Test No.	Test Case	Expected output	Actual Output	Result
1	Actions	After clicking action trash option is available.	Users can see trash option.	Pass
2	Trash	By clicking trash the file or folder is added to trash.	Successfully trash contains deleted file.	Pass
3	Trash folder	The users can see the deleted file list.	List of deleted files is shown.	Pass
4	Restore	By right-clicking the file or folder restore option is available and if the users click that then the file or folder will be restored.	File or folder will be restored back to the original location.	Pass
5	Delete forever	By right clicking the file delete forever option is available and users can delete the file or folder permanently.	File or folder will be deleted forever.	Pass

Table 7.1.1.10: Unit Test Cases for the module trash

7.1.1.11 Account settings

Test No.	Test Case	Expected output	Actual Output	Result
1	Account setting	When the user clicks then a dialog box appears to change username, avatar, and passwords of his account.	A dialog box appears successfully.	Pass

2	Edit username	A dialog box appears to change username and gender.	Successfully a dialog box appears.	Pass
3	Change avatar	After clicking this, the dialog box is shown.	A dialog box is shown change the photo.	Pass
4	Change password	By clicking the settings a dialog box users can change their passwords.	Successfully appears a dialog box with old, new and confirm passwords fields.	Pass

Table 7.1.1.11: Unit Test Cases for the module account settings

7.1.2 Integration testing

It works to expose the faults of interaction and interfaces between integrated elements or modules. The software components which are tested are integrated until it works as method or system.

Test No.	Test Case	Expected Output	Actual Output	Result
1	Analytics	When the admin clicks this, it shows the flow of users like how many users have been registered, the total size of files and number of files uploaded.	Status is successfully shown.	Pass
2	Users	When the admin clicks users, he can add, edit and delete users.	A page appears to add, edit and delete users.	Pass
3	Files	When the admin clicks files, a new page appears with which admin can delete files.	A page appears successfully with the list of files.	Pass
4	Folders	When the admin clicks folders, a new page appears with the list of folders.	A page appears successfully with the list of files where an admin can delete.	Pass
5	Ads	When the admin clicks ads, a page appears with the set of ad to manipulate review.	A page appears successfully with ads of files, folders, dashboard, and home pages to add	Pass

			the ads on those pages.	
6	Settings	When the admin clicks settings, a page appears with the set of settings.	A page appears successfully	Pass

Table 7.1.2: Integration Test Cases

7.1.3 System testing

upload, edit, send and process the results. It is mainly used to check the system whether it is fit for running the project. There are several tests included in this system testing like usability, graphical, software, security, scalability etc.

Test No.	Test Case	Expected Output	Actual Output	Result
1	Sort in ascending order	When the user clicks this, the files will be arranged on the basis of file size where smaller sized file is at first and bigger size files will be at last.	Files are arranged in ascending order.	Pass
2	Sort in descending order	When the user clicks this, the files will be arranged where bigger sized file is at first and smaller sized files will be at last.	Files are arranged descending order.	Pass
3	Sort according to the date uploaded	After clicking the sort option with the date then files are arranged with new files at the first and old uploaded files at the last.	Successfully arranges according to the date.	Pass
4	List view	When the user clicks this, the files will be arranged in a list.	Files are arranged in the list.	Pass
5	Recent Activities	By clicking this, users can see the recent activities in the right panel.	Recent activities are shown successfully.	Pass
6	Account Settings	When the user clicks then a dialog box appears to change username, avatar, and passwords of his	A dialog box appears successfully.	Pass

		account.		
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Table 7.1.3: System Test Cases

7.2 METHODS

There are several methods of testing used in the current world. We have used certain methods to check that the outputs are proper when an input is given and checks whether it gives the proper error for incorrect inputs.

7.2.1 White Box testing

It contains techniques such as fault injection, API testing, mutation testing, code coverage and criteria's of code coverage and declare as a percentage for decision coverage (reports whether the test is true or false), statement coverage (shows reports on the executed number of lines to finish the test) and function coverage (reports on executed functions).

Test No.	Test Case	Expected output	Actual Output	Result
1	Check whether this site is available in popular browsers	The user can be able to access this with Chrome, Mozilla Firefox, Internet Explorer, Opera, Safari, and UC browser.	Successfully supported by popular browsers.	Pass
2	Check whether the site opens homepage by clicking URL	The user can access with default UR called zoolDocs.com site.	Successfully opens the site homepage when default URL is typed in the browser.	Pass
3	Check search button	When the user enters file or folder name, it successfully searches the file or folder.	Searching is done successfully	pass

Table 7.2.1: White Box Test Cases

7.2.2 Black Box testing

It includes designs, requirements, and specification which use an external representation of the software which forces to test cases. It may be non-functional or functional but usually, it will be functional. It is important for faultless functionality. It cannot able to solve high-risks or complex situations. The advantage of black box testing is that it does not need any knowledge to test. It's a simple test. It can be applied to all software testing levels.

Test No.	Test Case	Expected output	Actual Output	Result
1	Check Whether the login page is available.	When users click login then it takes to the login page.	The login page appears successfully.	Pass
2	Check whether the register page is available.	When users click register then it takes to register page with e-mail, password and retype password fields.	Register page appears successfully.	Pass
3	Check whether dashboard is available.	After clicking login, the dashboard is shown with users account and required operations.	Dashboard page appears successfully.	Pass

Table 7.2.2: Black Box Test Cases

7.2.3 Static and dynamic testing

Static and dynamic testing are the methods of testing where investigation and reviews will come under static testing and program code execution with test cases come under dynamic testing. Static testing checks the compilers, source code structure, and data flow. Dynamic testing is tested when the program runs itself. It is possible to begin before the program completes 100% because to check some of the important sections and applied to modules.

Test No.	Test Case	Expected output	Actual Output	Result
1	Empty fields in register and login page.	It should show a message that the fields are empty.	The message is shown successfully.	Pass
2	Invalid email address.	A message is shown that the email provided must be a valid email address.	Successfully appears.	Pass
3	Password	Password must be Maximum of 8 characters with a special character.	Successfully shows the error if the user provides less password length.	Pass
4	Wrong email with correct password.	A password you have typed is incorrect.	The message is displayed successfully.	Pass
5	Wrong password with correct email.	The email you have typed is incorrect.	The message is displayed successfully.	Pass
6	Wrong email and password.	Email and password provided are not registered.	The message is shown with the error.	Pass
7	Retype-password.	A message is shown that the Password confirmation is not matching.	The message is shown successfully.	Pass

Table 7.2.3: Static and Dynamic Test Cases

CHAPTER 8

CONCLUSION

Document Cloud Storage System Zone is a well-developed satisfied platform which gives flexible way to use and provides sharing with secure passwords. It is a cloud storage model provides remote access from the internet. This application gives the flexibility to uses and provides satisfaction to the customers or users. When user login then he will become a self-admin and can control his activities. He can share, upload, rename, download, remove, copy, create, update and collaborate. At present era, everyone wants work to be done easily and quickly so as to save their time and effort. The whole project aims to satisfy the users. Users are the first person where they must get comfortable to use so that they will not have the burden to upload or share. It does not take more time to upload or share files, it just takes few seconds (depends on the file size) to complete the work. In the process of developing we have utilized the knowledge and skilled in some languages. It helps to learn and make things go in a perfect manner. Users are gratified with the application and can collaborate with another person to communicate and share files or images online.. It can upload and send any type of file. It is used in every field like schools, colleges, organizations, institutions, company or offices, and universities as it is helpful to store record and share files online. It automatically collaborates with people when we share files to them with their e-mail addresses. Users can also delete or remove the files or folders when their work is finished or not in use and can be accessed through trash as it provides backup. Therefore this project mainly focuses on sharing and uploading files online without any effort or time delay.

CHAPTER 9

FUTURE ENHANCEMENT

Everything has advancement when people discover a new thing or develop things from the existing one or they can create new which is not aware of others. This application is used to access the files better than the existing system, but if there are any upgrades then the developer can modulate the project and user can get it by upgrading the application. Therefore this project is applied in such a way that future advancement or enhancement can be admitted or allowed with the existing system. Below are some of the future techniques to be used in this project,

- Increasing the storage for large scale industries so that they can store more files and have a record. Therefore companies can easily get the documents when needed
- To make it a stand-alone application so that users no need to have separate installation and does not have to go to other pages. Users can access everything on one page.
- Making the applications more responsive
- Creating notes such that users can able to have important documents written with images and works like word document
- Increasing the security with more features
- To make the project as the offline application
- To make cloud storage a better and synching all cloud storage at one place so that distribution of storing here and there reduces
- Creating blogs to share their opinions and messages to communicate with others

APPENDIX A

BIBLIOGRAPHY

The bibliography is a list of preferred books or websites at the period of developing the project. Without the help of source we cannot reach the destination, so source code is very important. To learn new languages we used online help so that we can develop a project efficiently. Below are some of the preferred addresses,

Text Reference

[1]	Laravel	Matt Stauffer	2016
[2]	Bootstrap and Angular JS	Sergey Akopkokhyants	2016
[3]	CSS3 and HTML5	Ben Frain	2012

Web Reference

<https://laravel.com/docs/5.2>

<https://www.w3schools.com/css>

<https://www.w3schools.com/js>

<https://www.w3schools.com/angular>

<http://getbootstrap.com/getting-started>

<http://getbootstrap.com/css>

<https://www.dropbox.com/developers>

<https://aws.amazon.com>

Journal Publication

“DOCS ZONE”, Varsha V Hegde, Ashok B.P., Published By: “National Conference on Sustainable Engineering and Management”.

APPENDIX B

USER MANUAL

- The Document Cloud Storage System Zone (DOCS Zone) is a popular sharing and storage device which is supported by all browsers. To access it users must have browsers which support HTML5 and CSS3 elements.
- A user can study the manual provided by the site at the bottom right corner. Users can easily understand how this project works.
- A user can also check the video presentation launched on the site to view how the system operates.
- The company must log in with its email and password to handle the users' operations.
- Click share on actions button to share the file or folder.
- Actions contain many operations where users can share, preview, rename, adding favorites, making another copy of a file, deleting the file, and move from one location to another.
- The users can change their profile photo on account settings.
- The users also can change the password and edit usernames on account settings.
- When users do some activities then make sure that it is updated in recent activities panel.
- Sort and view options are provided to arrange and look of the site respectively.
- Users can upload files and folders. If users do some malpractices then admin can control with his users' settings option and make changes to that user.
- If a user wants to provide feedback then he can provide with screenshots and submit on to the site.