

A project report on

**PRODUCT ANALYSIS THROUGH
ADVANCE SEARCHING**

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

MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

SRINIVASA N M

1CY18MCA65



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

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Ms. Varsha Pawar

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Bangalore

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Ms. Keerthana S

Techciti Technologies Pvt. Ltd,
Bangalore



CMR INSTITUTE OF TECHNOLOGY
132, IT Park Road, Kundalahalli, Bangalore-560037
2019-2020

CMR INSTITUTE OF TECHNOLOGY
Department of Master of Computer Applications
Bangalore - 560037



CERTIFICATE

This is to certify that the project work entitled

**PRODUCT ANALYSIS THROUGH ADVANCE
SEARCHING**

*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
is a result of the bonafide work carried out by*

**SRINIVASA N M
1CY18MCA65**

during the academic year 2019-2020.

Signature of the Guide

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Assistant Professor, MCA

Signature of the HOD

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HOD, MCA

Signature of the Principal

Dr. Sanjay Jain

PRINCIPAL, CMRIT

External Viva

Name of the Examiners

Signature with date

1.

2.

DECLARATION

I, **Srinivasa N M**, student of 6th semester MCA, **CMR Institute of Technology**, bearing the USN **1CY18MCA65**, hereby declare that the project entitled “**Product Analysis Through Advance Searching**” has been carried out by me under the supervision of External Guide **Ms. Keerthana S**, Project Manager, Techciti Technologies, Bangalore and Internal Guide **Ms. Varsha Pawar**, 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

Srinivasa N M

Date:

(1CY18MCA65)

ACKNOWLEDGEMENT

I would like to thank all those who are involved in this endeavour for their kind cooperation for its successful completion. At the outset, I wish to express my sincere gratitude to all those people who have helped me to complete this project in an efficient manner.

I offer my special thanks to my external project guide Ms. Keerthana S, Project Manager, Techciti Technologies, Bangalore, and to my Internal Project guide Ms. Varsha Pawar, Department of MCA, CMRIT, Bangalore without whose help and support throughout this project would not have been this success.

I am thankful to Dr. SANJAY JAIN, Principal, CMRIT, Bangalore for his kind support in all respect during my study. I would like to thank Ms. Keerthana S, Project Manager, Techciti Technologies, Bangalore, who gave opportunity to do this project at an extreme organization Most of all and more than ever, I would like to thanks my family members for their warmness, support, encouragement, kindness and patience. I am really thankful to all my friends who always advised and motivated me throughout the course.

Srinivasa N M
(1CY18MCA65)



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Ref.No.TTPL/2019-2020/HRD/1606

Date: 09th June, 2020

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. **Srinivasa N M** (1CY18MCA65) has successfully completed his project with our company, he has been working on the project title “**Product Analysis Through Advance Searching**” from 03.01.2020 to 25.05.2020

We have found him to be a self –starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.

Sincerely,



Manager

Human Resources Department
TechCiti Technologies Private Limited.

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ABSTRACT

Nowadays, social networking and online shopping play a major role in our daily lives. Most people share their own experience in social media platform based on product, services and any queries relating to online shopping. Based on that opinion, suggestion, ratings that we need to use sentimental analysis technique to classify all the positive and negative results. The technique of an analysis of sentiment is used to classify text. We are going through all positive and negative ratings in this project based on improving our products and services. We use Decision tree algorithm to classify text using feature selection process. If they obviously like it, they 're buying this one of the business techniques to make a profit. It's not taking too much time. In the second, it will analyze and use algorithm technology to recommend or suggest products. Most people are looking for online shopping only so that we implement this method that is very useful for management as well as for customers who are also satisfied with this technique.

CHAPTER 1

INTRODUCTION

Nowadays, the Social Network Platform and Online Shopping play a major role in our daily lives. Most people share their own experience of buying online on social media platforms. So if someone starts an online business, they have to know people are interested in what things they need or not. To this end, we should analyze the data of all people on the basis of a sentiment analysis technique. Using Sentiment analysis, we can classify how many people gave both positive and negative results. Based on that we can launch a new product, a particular business will be profitable, and customers will also be happy. For that, in this project, we 're going to suggest that customers buy things based on user interest, sentiment analysis technique, and algorithm techniques that we're going to classify customers, and we're going to recommend products. It's the most efficient way to suggest products, and it's the easiest technique. Using this technique and particular algorithm method, we can make a profit, and it's the easiest way to know all the people's interests, and it's also very useful for the future. Based on this technique, we can do so many things in the future. And in this customer tracking project, we can use the review blog, search engine and keyword to identify the customer's interest and suggest the product. It's the easiest way to track customers out of their interest. So this technique is going to make a profit for a particular business.

CHAPTER 2

LITERATURE SURVEY

1. Collaboratively Training Sentiment Classifiers for Multiple Domains

In this project, we will use collaboratively training sentiment classifiers to classify text using multiple domain methods. In this concept, we use Supervised Learning Technique to train sentiment analysis data classifier technique, or we can say train labeled data. For decomposing Sentiment analysis technique, there are two methods: Global Model Domain and Domain-specific Mode. The global model analyzes all data from the use of sentiment analysis. The domain-specific model analyzes particular text using some expression for that we can use Regular Expression Technique. We will use domain-specific classifier technique to classify all labeled and unlabeled data. For that first we need to find the similarities between Global domains and domain-specific models based on the we extract all the data using collaborative filtering techniques. Two kinds of domain similarities measures based on textual content and other sentimental analysis technique.

2. Collaborative Multi-domain Sentiment Classification

Sentiment classifier technique is important for both industrial and academic research. Sentiment analysis technique classification is based on the machine learning technique and classifies texts using the problem of text classification. Sentiment classification technique is recognized for domain-dependent tasks. Training for labeled data using a specific sentiment-classifier for each domain is a simple solution to this problem. In this project, we used multi-domain sentiment data classifiers in a collaborative manner based on multi-task learning. For decomposing Sentiment analysis technique, there are two methods: Global Model Domain and Domain-specific Mode. The global model analyzes all data from the use of sentiment analysis. The domain-specific model

analyzes specific text using some expression for which we can use the Regular Expression Technique. We will use a domain-specific classifier technique to classify all labeled and unmarked data. For the first time, we need to find similarities between global domains and domain-specific models based on extracting all data using collaborative filtering techniques. In order to use the Machine Learning technique, we need all the data in numerical form so that we need to encode all the string values for which we use the count vector. After that, we need to classify the text using speech tagging and regular expression parser techniques. We can then use scalar packages to analyze all the results.

2.1 SYSTEM ANALYSIS:

EXISTING SYSTEM:

In the present, most people are not interested in social media platforms. They hired a sales person to deliver all of the products. In this process, sales people need to explain all the features of the product and suggest that they buy them. Most people don't believe the sales person because they delivered duplicate products. To overcome this problem, we're focused on the online shopping technique, but in this method we can't focus on the customers what they like and what they don't like. In the existing technique, most people give reviews on the basis that they take only positive views and ratings above four points. This method also failed in the interest of the user. We need to check with both positive and negative ratings and find solutions to this. And that technique satisfies all customers, so this is a drawback to the existing system.

PROPOSED SYSTEM:

All points of the user data should be considered in the proposed system. That's why we should collect the data first. After that, we should analyze the data as to what customer satisfaction is. We use sentiment analysis method for this technique. It is used to classify the text. After that, we're using an algorithm to suggest a product to customers.

The proposed new algorithm has the following features:

- Nowadays, all customers share their experience, opinions and product services on the social media platform. So we should have a cross-check with the review blog.
- On the basis of user interest and ratings, we should classify the customer to use the feature selection method to target the customer.
- The steps of the proposed algorithm are as follows:

- Feature Selection method used to rank the customer based on reviews blog using sentiment analysis
- Input: Online review, ratings and Comment
- Output: Suggest or recommend the product to the customers

2.2 FEASIBILITY STUDY:

TECHNICAL FEASIBILITY:

The proposed system is entirely based on PHP web framework technology and is a high-level web framework. Using this platform, we have developed online shopping product recommendations that are used to identify the interest of the user and to suggest the product. You can use this software admin to manage all customer details about your shopping.

ECONOMIC FEASIBILITY:

The proposed system is very useful for admins to get the customer details that all of us are looking for a similar product that we can easily track. It is also useful for the customer to purchase the product.

OPERATIONAL FEASIBILITY:

The system proposed is scalable and provides data protection. And it reduces the time for the user to track down the product related to the previous history. The development of a product recommendation is therefore operationally feasible.

LEGAL FEASIBILITY:

The proposed system is subject to government legal issues on the basis of an understanding of the importance of admins and clients. It is legally feasible to develop this system.

2.3 TOOLS AND TECHNOLOGIES USED:

TOOLS

➤ WAMP SERVER

WAMP stands for "Windows, Apache, MySQL, and PHP." This Wamp Software is used for windows platforms each platform has unique software and this software is mainly used to run the PHP application if anyone wants to run the PHP program they need to install either swamps or xamps for windows and lamps for Linux and mumps for mac os after they have installed a server called apache. PHP is the server side scripting language, so they need the server to run the application in the browser, because we have to start apache first and MySQL is mainly used to access the database, an online developer can take a look at web pages throughout the computer programmer, whereas not even WAMP to boot includes MySQL and PHP, which is the most technology-dependent unit. PHP is also a server-side scripting language, so PHP needs a server to run the application in a browser, and Wamp Software is very useful for access and everyone can easily understand it.

➤ BOOTSTRAP

Bootstrap is an open supply framework used to develop responsive internet applications or responsive styles. Responsive suggests that the application should run on smaller screens, such as mobile phones and tablets. Each part of the sign-up language document is stacked as soon as the page gets smaller or smaller. By default, bootstrap takes twelve dimensional columns with the same column spacing meaning that each column has the same size. However, you'll change the default values and build layouts, design Bootstrap offer grid system for all reasonable devices, such as additional small, medium, large, extra-large, which might make it easier to run the app on each device. Any of them offer some fashionable buttons, shapes, tables, and so on. Bootstrap 4 is the newest version with some additional options compared to previous versions.

➤ **BRACKETS**

Brackets could be an ASCII text file editor specializing primarily in the development of the Internet. Created by Adobe Systems, it is a free and ASCII text file package authorized under the Massachusetts Institute of Technology License and is currently maintained on GitHub by Adobe and alternative ASCII text file developers. It's written in JavaScript, mark-up and CSS. Brackets are cross-platform, accessible for MacOS, Windows, and most UNIX operating system distributions.

Features

- Quick Edit.
- Quick Docs.
- Live Preview.
- Open Source.

TECHNOLOGIES

➤ **JAVASCRIPT**

This is the programming language used for HTML pages. It was invented by Netscape Corporation in 1995. Its programs are run by an interpreter built into the web browser of the user.

Features:

- It can dynamically modify an HTML page.
- It can react to user input.
- It can validate user input.
- Can be used to create cookies.
- It is full-featured programming language.
- It does not require user interaction for communication with sever.

➤ JQUERY

It's a JavaScript client side-scripting library. It allows you to access any of the elements, make animation, and validate the input using the library. The purpose of jQuery is to make it much easier to use JavaScript on the website. It has a lot of built-in animation effects that can be used on the websites.

Functionalities:

- It helps to run with all kind of browsers and is compatible with various browsers.
- It helps to implement critical functionality.
- It is fast to implement customized action.

➤ HTML

HTML is the client-side scripting language that only one language will display the output in the browser. HTML is mainly made up of tags. All tags must have closing tags as well. It is mainly used to design static web pages and to make the pages more attractive.

Web browsers are provided with machine-readable text nomenclature that receives documents from a web server or from native storage and moves documents to multimedia websites. The machine-readable text nomenclature describes the structure of the webpage and everything should be semantic.

- HTML describes the structure of internet sites exploitation Mark-up
- hypertext nomenclature components unit the building blocks of mark-up language pages
- HTML components unit represented by tags
- HTML tags label things of content like "heading", "paragraph", "table", and so on
- Browsers do not show the machine-readable text nomenclature tags.

➤ CSS

- CSS is used to add style while creating a webpage in a simple and easiest way. CSS is mainly used to keep adding extra styling to static webpages. All customers need attractive websites. Once they see the website, it should be so attractive. If you're using HTML only, we can't make attractive web pages. So, we need a few more languages to make the web pages more attractive, so we're implementing the CSS.
- We can use CSS in three ways: internal, external, inline style sheet. But most web pages use an external style sheet and must be linked to the HTML pages.
- CSS making the webpage more styling and it consists of properties.
- CSS Consists of properties and values. These properties are predefined
- Syntax to write CSS
 - Property: value;
 - Ex. Color: red;

➤ PHP

PHP is the language of Net Development. PHP could be a server-side scripting language that could be embedded in HTML or used as a standalone binary. Rasmus Lerdorf – an engineer, a member of the Apache team, is the creator and the original thrust behind PHP. PHP is otherwise referred to as server-side scripting language. By using only HTML, we can't connect to a database. HTML is only used for static web pages. If we want to make the pages dynamic, we need a server-side scripting language. So, using PHP, we'll get all the values from HTML, and then we'll connect from HTML to PHP. PHP code will only work if the user clicks the submit button and it should be very easy to understand and everyone can use the code easily and easily. PHP has predefined functions to reduce the code.

➤ MySQL

RDBMS is a very important concept, if any data needs to be stored permanent, we need some storage. MySQL is used to store permanent data and is easy to access. The information in the very MySQL information square is kept in the tables. A table could be a range of linked information, consisting of columns and rows.

2.4 SYSTEM REQUIREMENTS:

HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE REQUIREMENTS

- Ram : 2 GB.
- Processor : Pentium V or above.
- Keyboard and Mouse : Required
- CPU Type : Intel(R) Pentium(R) CPU 2020M
- Hard Disk : 300 GB

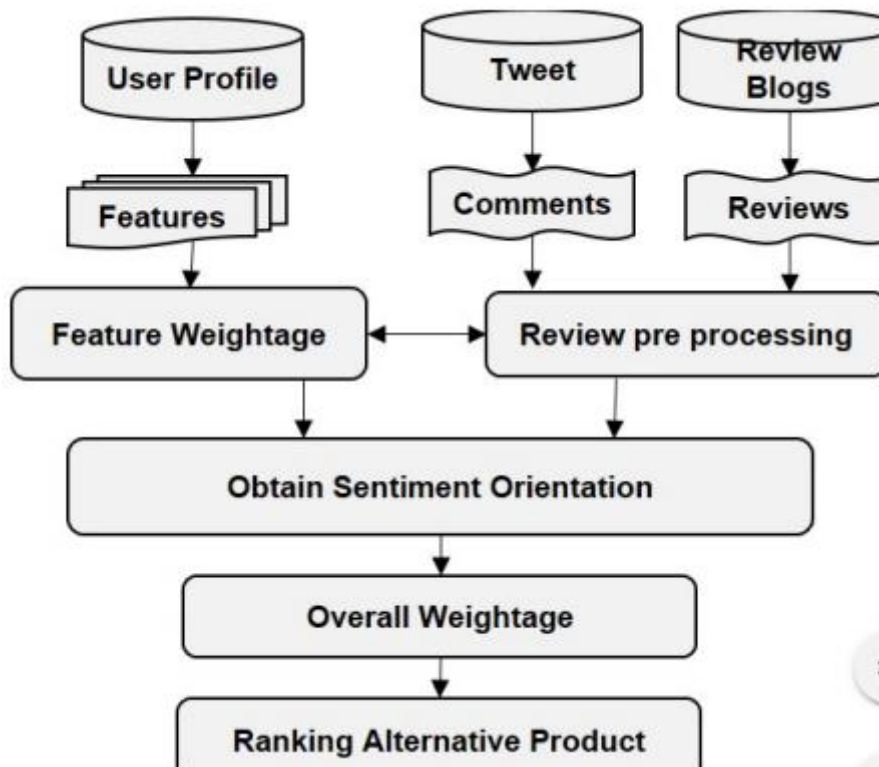
SOFTWARE REQUIREMENTS

- Operating System : Windows 7 or above
- Coding Language : JavaScript, JQuery.
- Front End : HTML, CSS, Bootstrap.
- Tools Used : Wamp Server, Brackets.
- Internet Connection : Required.

CHAPTER 3

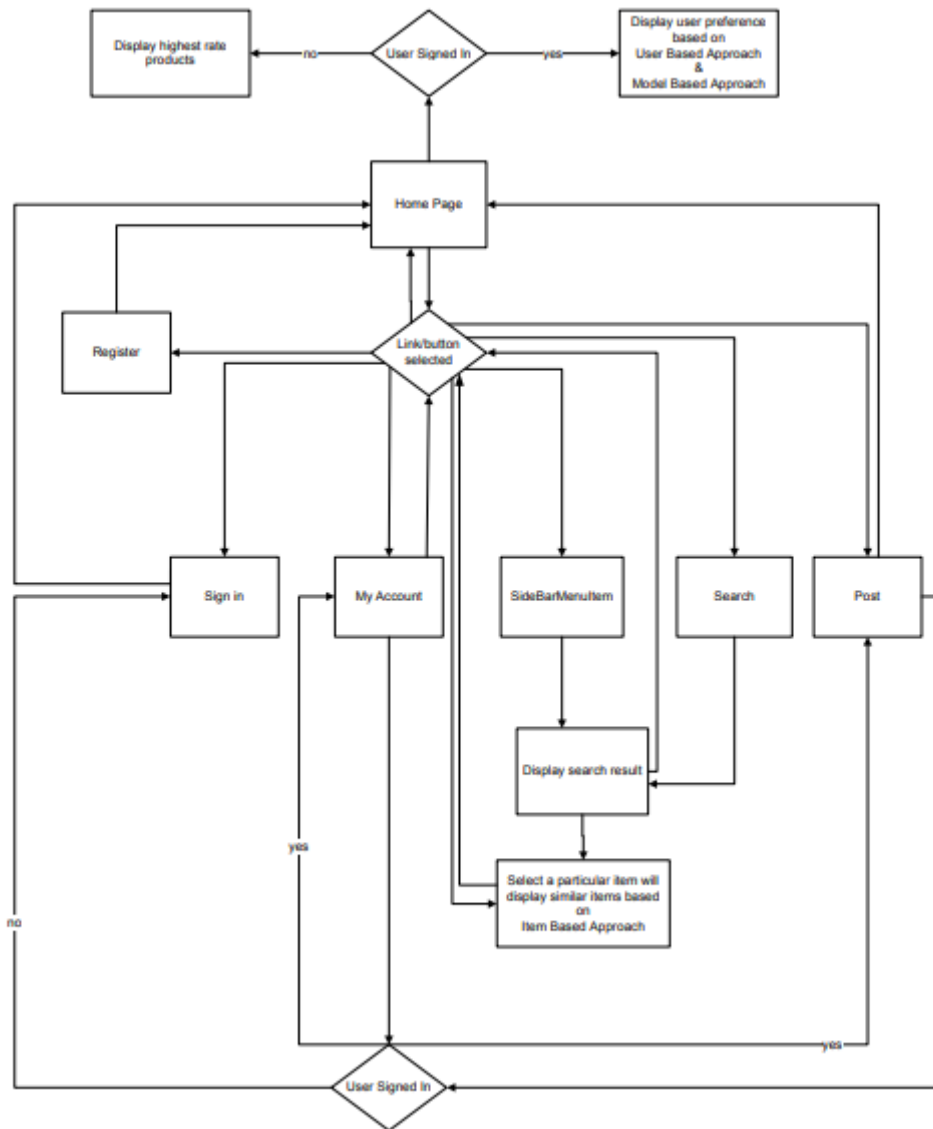
SYSTEM DESIGN

3.1 SYSTEM ARCHITECTURE:



3.2 DATA FLOW DIAGRAM:

Data flow diagram shows how the project will works.

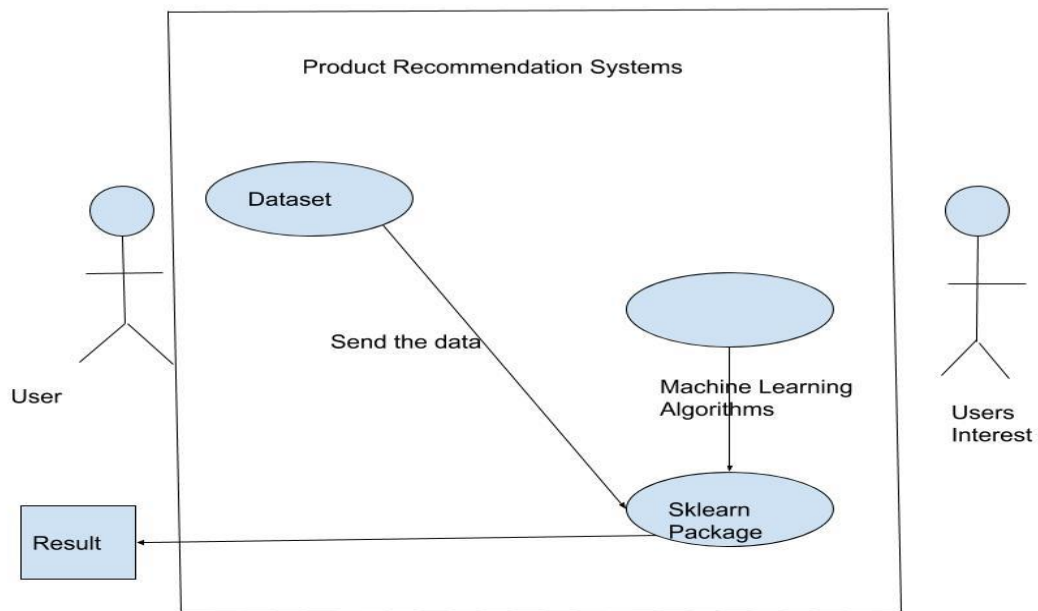


CHAPTER 4

UML DIAGRAMS

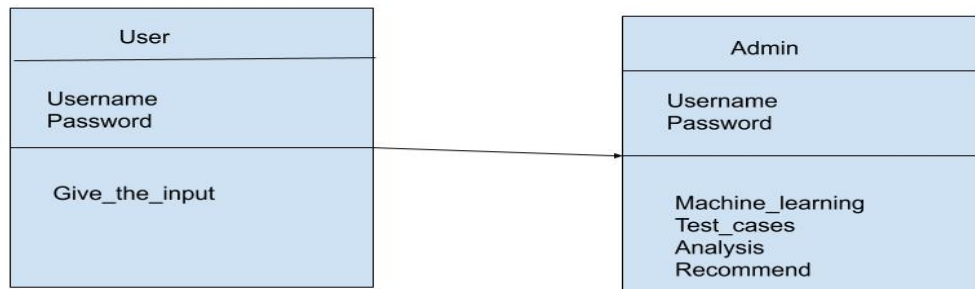
4.1 USE CASE DIAGRAM:

Use case diagrams to show all the functionality of the modules. Admin modules collect all the interest of the user and are classified on the basis of views and interest, and perform algorithms to predict output. Users will be able to view the data.



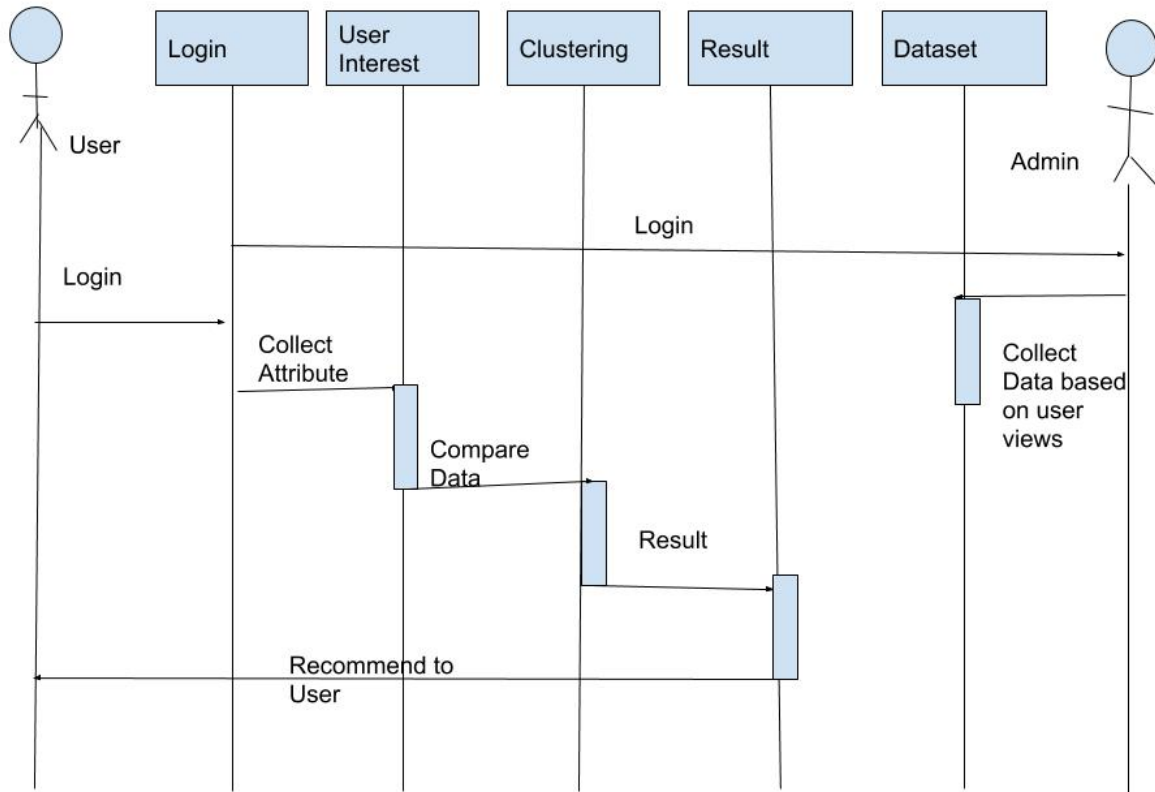
4.2 CLASS DIAGRAM:

Class diagrams show all the functionality of each module. The user can enter the details and views. In the same way, admin modules collect cross-checking user details using algorithms with previous data.



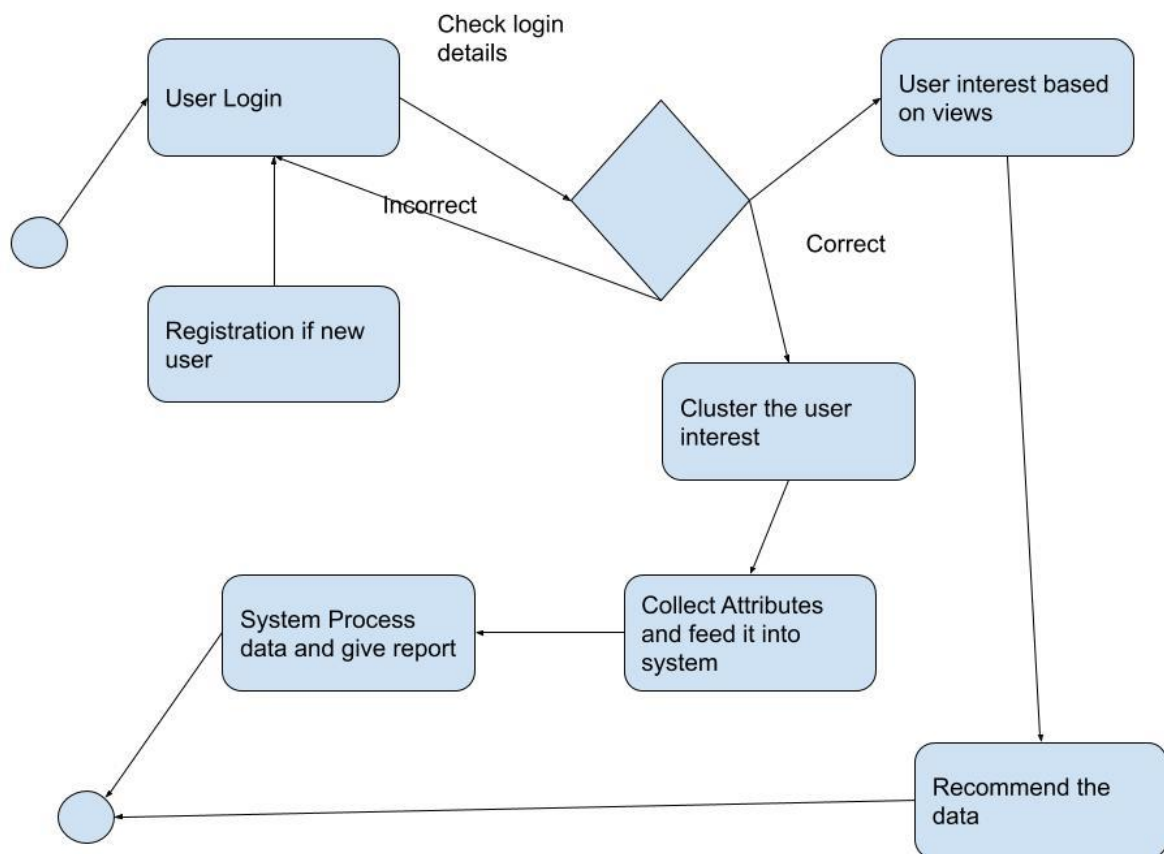
4.3 SEQUENCE DIAGRAM:

Sequence diagram is event scenario or interaction diagram. It shows each module interaction between all the functions.



4.4 ACTIVITY DIAGRAM:

Activity diagram is the graphical representation it is used to check whether the user is authorized or unauthorized.



CHAPTER 5

IMPLEMENTATION

5.1 TABLE DESIGN:

ADMIN

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/> 2	username	varchar(255)	latin1_swedish_ci		No	None			Change Drop Primary More
<input type="checkbox"/> 3	password	varchar(255)	latin1_swedish_ci		No	None			Change Drop Primary More
<input type="checkbox"/> 4	creationDate	timestamp			No	CURRENT_TIMESTAMP			Change Drop Primary More
<input type="checkbox"/> 5	updaDate	varchar(255)	latin1_swedish_ci		No	None			Change Drop Primary More

CATEGORY

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	categoryName	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 3	categoryDescription	longtext	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	creationDate	timestamp			No	CURRENT_TIMESTAMP			Change Drop More
<input type="checkbox"/> 5	updaDate	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More

ORDER TABLE

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/> 2	userId	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 3	productld	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 4	quantity	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 5	orderDate	timestamp			No	CURRENT_TIMESTAMP			Change Drop Primary More
<input type="checkbox"/> 6	paymentMethod	varchar(50)	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 7	orderStatus	varchar(55)	latin1_swedish_ci		Yes	NULL			Change Drop Primary More

ORDER TRACK HISTORY

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/> 2	orderId	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 3	status	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 4	remark	mediumtext	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 5	postingDate	timestamp			No	CURRENT_TIMESTAMP			Change Drop Primary More

PRODUCT REVIEW

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/> 2	productId	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 3	quality	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 4	price	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 5	value	int(11)			Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 6	name	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 7	summary	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 8	review	longtext	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/> 9	reviewDate	timestamp			No	CURRENT_TIMESTAMP			Change Drop Primary More

PRODUCTS

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	category	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	subCategory	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 4	productName	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	productCompany	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 6	productPrice	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 7	productPriceBeforeDiscount	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 8	productDescription	longtext	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 9	productImage1	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 10	productImage2	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 11	productImage3	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 12	shippingCharge	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 13	productAvailability	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 14	postingDate	timestamp			Yes	CURRENT_TIMESTAMP			Change Drop More
<input type="checkbox"/> 15	updateDate	varchar(255)	latin1_swedish_ci		Yes	NULL			Change Drop More

SUB CATEGORY

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id			No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/>	2	categoryid			Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	3	subcategory	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	4	creationDate			Yes	CURRENT_TIMESTAMP			Change Drop Primary More
<input type="checkbox"/>	5	updateDate	latin1_swedish_ci		Yes	NULL			Change Drop Primary More

USER LOG

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id			No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/>	2	userEmail	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	3	userid			Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	4	loginTime			Yes	CURRENT_TIMESTAMP			Change Drop Primary More
<input type="checkbox"/>	5	logout	latin1_swedish_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	6	status			Yes	NULL			Change Drop Primary More

USERS

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	name	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3	email	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4	contactno			Yes	NULL			Change Drop More
<input type="checkbox"/>	5	password	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6	shippingAddress	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	7	shippingState	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	8	shippingCity	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	9	shippingPincode			Yes	NULL			Change Drop More
<input type="checkbox"/>	10	billingAddress	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	11	billingState	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	12	billingCity	latin1_swedish_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	13	billingPincode			Yes	NULL			Change Drop More
<input type="checkbox"/>	14	regDate			No	CURRENT_TIMESTAMP			Change Drop More
<input type="checkbox"/>	15	updateDate	latin1_swedish_ci		Yes	NULL			Change Drop More

5.2 SCREENSHOTS:

localhost/shopping/admin/user-logs.php

Manage Users

Show 10 entries Search:

#	User Email	User IP	Login Time	Logout Time	Status
1	keerthi@gmail.com	::1	2019-06-18 18:40:36	18-06-2019 06:56:28 PM	Successfull
2	keerthi@gmail.com	::1	2019-06-18 18:56:59		Failed
3	keerthi@gmail.com	::1	2019-06-18 18:57:20		Failed
4	keerthi@gmail.com	::1	2019-06-18 18:57:33	18-06-2019 07:04:03 PM	Successfull
5	varuni@gmail.com	::1	2019-06-18 19:08:02	18-06-2019 07:53:40 PM	Successfull
6	varuni@gmail.com	::1	2019-06-19 15:25:22		Failed
7	varuni@gmail.com	::1	2019-06-19 15:25:47		Failed
8	varuni@gmail.com	::1	2019-06-19 15:26:28		Failed
9	varuni@gmail.com	::1	2019-06-19 15:26:57	19-06-2019 03:45:26 PM	Successfull
10	srinivas@gmail.com	::1	2020-05-16 13:19:40	16-05-2020 01:34:54 PM	Successfull

Showing 1 to 10 of 10 entries

localhost/shopping/admin/manage-products.php

Shopping Portal | Admin Admin

Manage Products

Show 10 entries Search:

#	Product Name	Category	Subcategory	Company Name	Product Creation Date	Action
21	Biba Long Kurta	Fashion	Dress	Biba	2019-06-25 19:59:13	
22	long kurti	dress	kurti	Gangster	2020-05-16 14:12:47	

Showing 21 to 22 of 22 entries

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localhost/shopping/admin/insert-product.php

- Order Management
- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Insert Product

Category:

Sub Category:

Product Name:

Product Company:

Product Price Before Discount:

Product Price After Discount(Selling Price):

Product Description:

2:12 PM 16-May-20

localhost/shopping/admin/subcategory.php

- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Category:

SubCategory Name:

Sub Category

Show entries Search:

#	Category	Description	Creation date	Last Updated	Action
1	Books	Comics	2017-02-04 09:43:54		✎ ✕
2	Electronics	Led Television	2017-01-26 21:54:52	26-01-2017 11:03:40 PM	✎ ✕
3	Electronics	Television	2017-01-26 21:59:09		✎ ✕
4	Electronics	Mobiles	2017-01-30 22:25:48		✎ ✕
5	Electronics	Mobile Accessories	2017-02-04 09:42:40		✎ ✕
6	Electronics	Laptops	2017-02-04 09:43:00		✎ ✕
7	Electronics	Computers	2017-02-04 09:43:27		✎ ✕
8	Furniture	Beds	2017-02-04 10:06:45		✎ ✕
9	Furniture	Sofas	2017-02-04 10:07:02		✎ ✕

1:41 PM 16-May-20

localhost/shopping/admin/category.php

Shopping Portal | Admin Admin

- Order Management
- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Category

Well done! Category Created !!

Category Name:

Description:

Create

Manage Categories

Show 10 entries Search:

#	Category	Description	Creation date	Last Updated	Action
1	Books	Test anuj	2017-01-25 00:47:37	30-01-2017 12:22:24 AM	✎ ✕

1:40 PM 16-May-20

localhost/shopping/admin/category.php

Shopping Portal | Admin Admin

- Order Management
- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Category

Category Name:

Description:

Create

Manage Categories

Show 10 entries Search:

#	Category	Description	Creation date	Last Updated	Action
1	Books	Test anuj	2017-01-25 00:47:37	30-01-2017 12:22:24 AM	✎ ✕
2	Electronics	Electronic Products	2017-01-25 00:49:32		✎ ✕
3	Furniture	test	2017-01-25 00:49:54		✎ ✕
4	Fashion	Fashion	2017-02-21 00:48:52		✎ ✕

1:40 PM 16-May-20

- Order Management
- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Manage Users

Show 10 entries Search:

#	Name	Email	Contact no	Shipping Address/City/State/Pincode	Billing Address/City/State/Pincode	Reg. Date
1	keerthana	keerthi@gmail.com	9876543210	Arekere,Bangalore,Karnataka-560018	arekere,Bangalore,Karnataka-560018	2019-06-18 18:40:
2	Varunika	varuni@gmail.com	7904486806	JP Nagar,Bangalore,Karnataka-560012	JP Nagar,Bangalore,Karnataka-560012	2019-06-18 19:07:
3	srinivas	srinivas@gmail.com	9876543210	JP Nagar,bangalore,karnataka-560076	JP Nagar,bangalore,karnataka-560076	2020-05-16 13:18:

Showing 1 to 3 of 3 entries

- Order Management
- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Pending Orders

Show 10 entries Search:

#	Name	Email /Contact no	Shipping Address	Product	Qty	Amount	Order Date
1	Varunika	varuni@gmail.com/7904486806	JP Nagar,Bangalore,Karnataka-560012	Apple iPhone 6 (Silver, 16 GB)	1	36990	2019-06-19 15:27:20

Showing 1 to 1 of 1 entries

localhost/shopping/admin/pending-orders.php

Show 10 entries Search:

#	Name	Email /Contact no	Shipping Address	Product	Qty	Amount	Order Date
1	Varunika	varuni@gmail.com/7904486806	JP Nagar,Bangalore,Karnataka-560012	The Wimpy Kid Do-It-Yourself Book	1	255	2019-06-18 19:12:54
2	Varunika	varuni@gmail.com/7904486806	JP Nagar,Bangalore,Karnataka-560012	Adidas MESSI 16.3 TF Football turf Shoes (Blue)	1	4129	2019-06-19 15:27:20
3	srinivas	srinivas@gmail.com/9876543210	JP Nagar,bangalore,karnataka-560076	Apple iPhone 6 (Silver, 16 GB)	1	36990	2020-05-16 13:19:53

Showing 1 to 3 of 3 entries

localhost/shopping/admin/todays-orders.php

Shopping Portal | Admin

Admin 

Order Management

Manage users

Create Category

Sub Category

Insert Product

Manage Products

User Login Log

Logout

Pending Orders

Show 10 entries Search:

#	Name	Email /Contact no	Shipping Address	Product	Qty	Amount	Order Date
1	srinivas	srinivas@gmail.com/9876543210	JP Nagar,bangalore,karnataka-560076	Apple iPhone 6 (Silver, 16 GB)	1	36990	2020-05-16 13:19:53

Showing 1 to 1 of 1 entries

localhost/shopping/admin/change-password.php

Shopping Portal | Admin Admin

- Order Management
- Manage users
- Create Category
- Sub Category
- Insert Product
- Manage Products
- User Login Log
- Logout

Admin Change Password

Current Password

New Password

Current Password

localhost/shopping/admin/

Shopping Portal | Admin Back to Portal

Sign In

You have successfully logout

localhost/shopping/pending-orders.php

Welcome -srinivas | My Account | Wishlist | My Cart | Checkout | Logout | Track Order

Shopping Portal

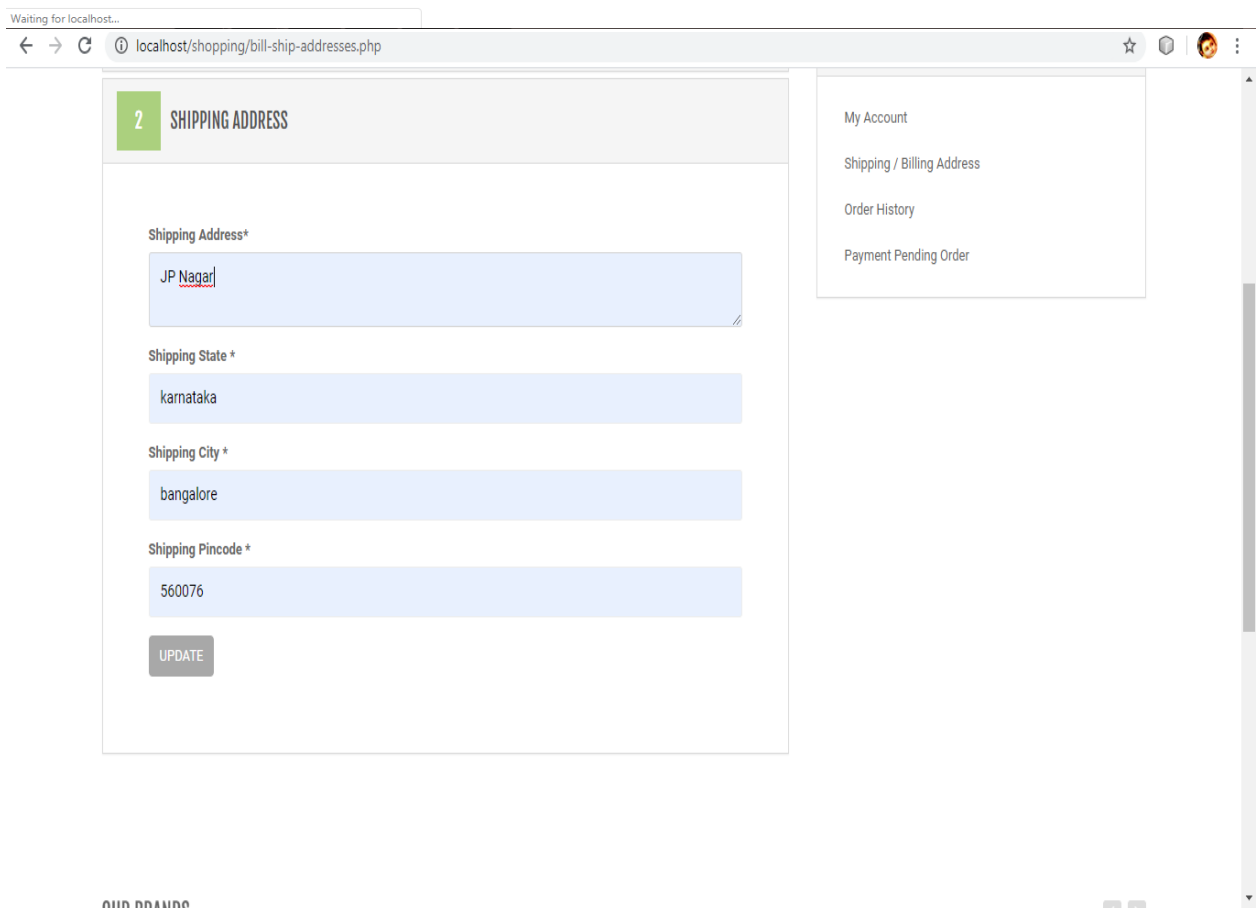
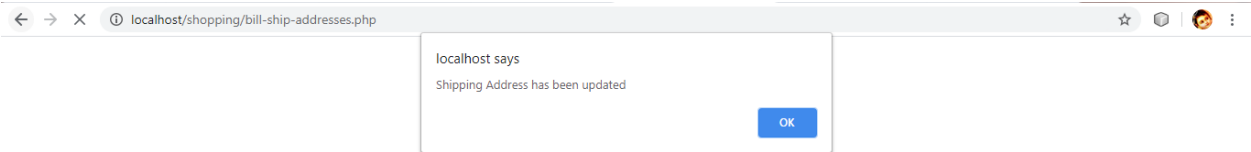
CART - RS. 00.00

HOME
BOOKS
ELECTRONICS
FURNITURE
FASHION

Home / Shopping Cart

#	Image	Product Name	Quantity	Price Per unit	Shiping Charge	Grandtotal	Payment Method	Order Date	Action
No Result Found									

OUR BRANDS < >



localhost says
Billing Address has been updated
OK

Waiting for localhost...

1 BILLING ADDRESS

Billing Address*

Billing State*

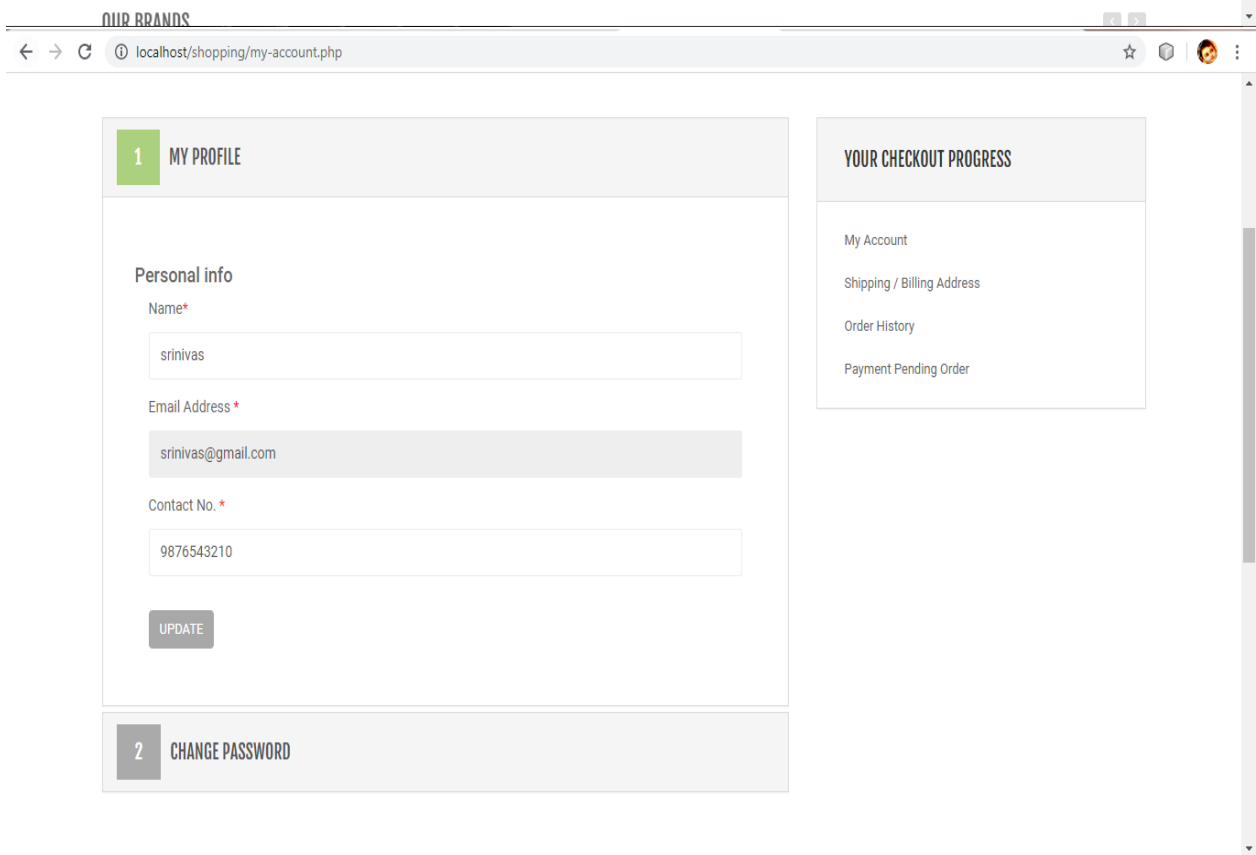
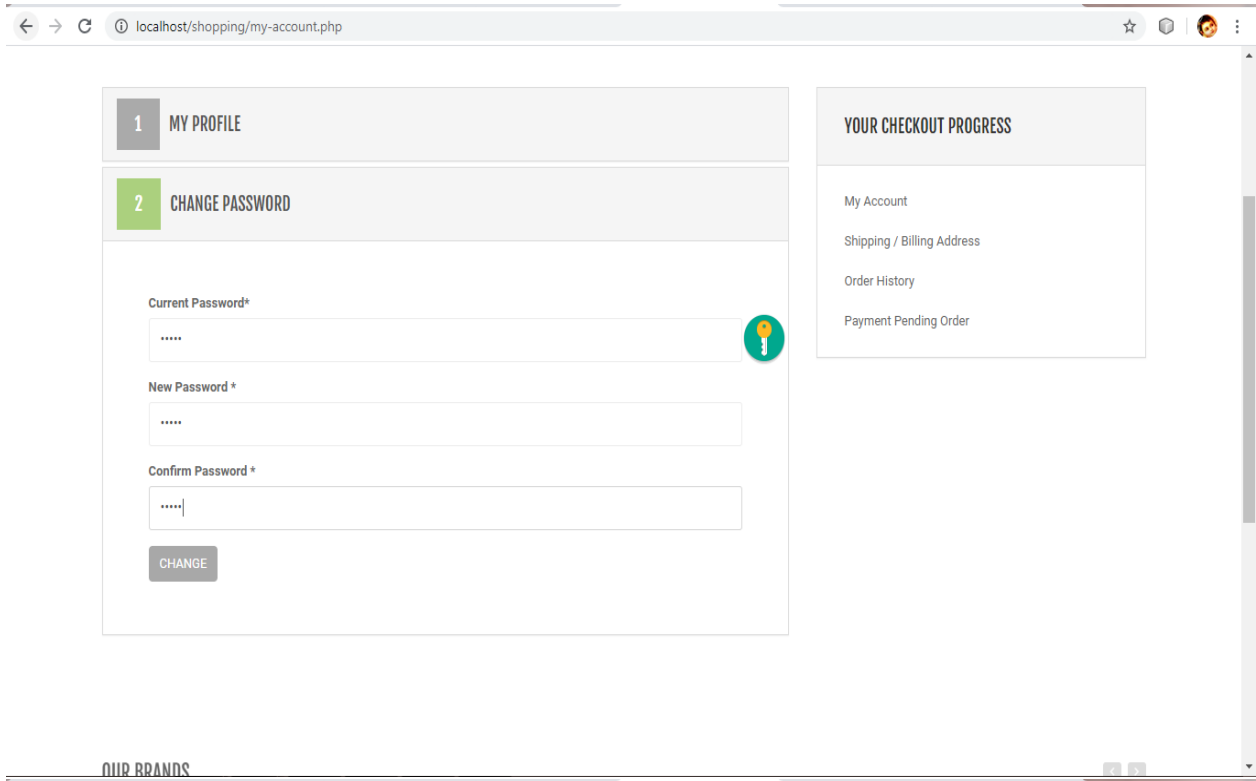
Billing City*

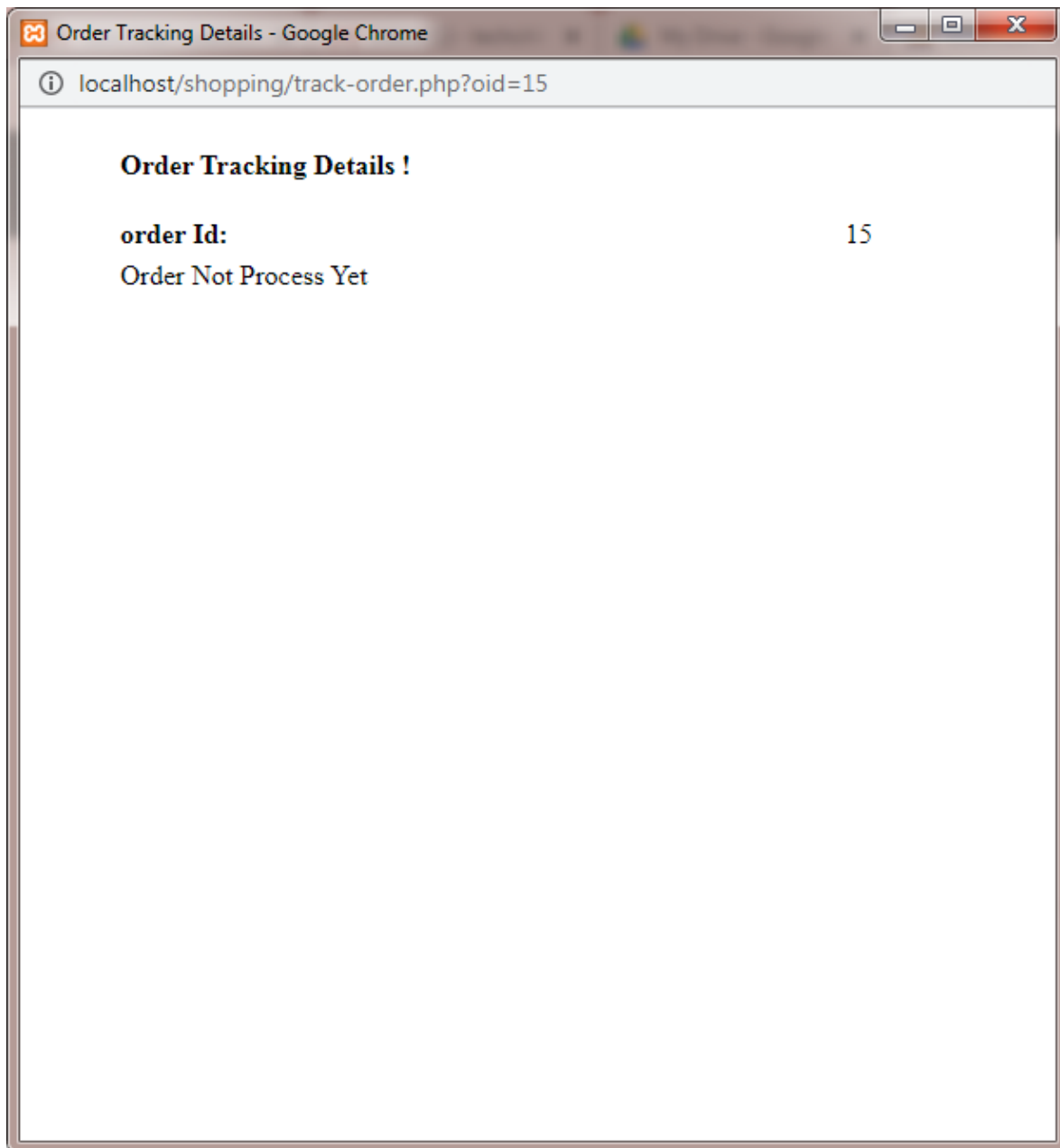
Billing Pincode*

UPDATE

2 SHIPPING ADDRESS

- YOUR CHECKOUT PROGRESS**
- My Account
 - Shipping / Billing Address
 - Order History
 - Payment Pending Order





ORDER TRACKING

#	Image	Product Name	Quantity	Price Per unit	Shipping Charge	Grandtotal	Payment Method	Order Date	Action
1		APPLE IPHONE 6 (SILVER, 16 GB)	1	36990	0	36990	Debit / Credit card	2020-05-16 13:19:53	Track

OUR BRANDS

← →

400 #BlackBerry Canon 60000 Zaink

localhost/shopping/payment-method.php

Welcome -srinivas | My Account | Wishlist | My Cart | Checkout | Logout | Track Order

Shopping Portal

Search here...



CART - RS. 36990.00



CHOOSE PAYMENT METHOD

SELECT YOUR PAYMENT METHOD

COD Internet Banking Debit / Credit card

submit

Shopping Portal

CART - RS. 36990.00

- HOME
- BOOKS
- ELECTRONICS
- FURNITURE
- FASHION

Home / Authentication

SIGN IN

Hello, Welcome to your account.

Email Address *

srinivas@gmail.com

Password *

.....

[Forgot your Password?](#)

CREATE A NEW ACCOUNT

Create your own Shopping account.

Full Name *



Email Address *

Contact No. *

localhost says
You are successfully register

OK

Waiting for localhost...

localhost/shopping/login.php

SIGN IN

Hello, Welcome to your account.

Email Address *

Password *

[Forgot your Password?](#)

LOGIN

CREATE A NEW ACCOUNT

Create your own Shopping account.

Full Name *

Email Address *

Email available for Registration .

Contact No. *

Password. *

Confirm Password. *

SIGN UP

SIGN UP TODAY AND YOU'LL BE ABLE TO :

localhost/shopping/my-cart.php

SHIPPING ADDRESS

BILLING ADDRESS

GRAND TOTAL **36990.00**

PROCEED TO CHECKOUT

OUR BRANDS < >

Shopping Portal

Nam libero tempore, cum soluta nobis est ses ellegendi optio

OPENING TIME

Monday-Friday

INFORMATION

08.00 To 18.00 New Delhi, Delhi

localhost/shopping/my-cart.php

My Account | Wishlist | My Cart | Checkout | Login | Track Order

Shopping Portal

Search here...

CART - RS. 36990.00

HOME BOOKS ELECTRONICS FURNITURE FASHION

Home / Shopping Cart

Remove	Image	Product Name	Quantity	Price Per unit	Shipping Charge	Grandtotal
		APPLE IPHONE 6 (SILVER, 16 GB) ★★★★☆ (0 Reviews)	1	RS 36990.00	RS 0.00	36990.00

CONTINUE SHOPPING UPDATE SHOPPING CART

localhost/shopping/product-details.php?pid=2

DESCRIPTION

REVIEW

1 GB RAM | 16 GB ROM |
4.7 inch Retina HD Display
8MP Primary Camera | 1.2MP Front
Li-Ion Battery
A8 Chip with 64-bit Architecture and M8 Motion Co-processor Processor

REALTED PRODUCTS

Apple iPhone 6 (Silver, 16 GB) ★★★★☆ Rs.36990 Rs.-0	Redmi Note 4 (Gold, 32 GB) (With 3 GB RAM) ★★★★☆ Rs.10999 Rs.-0	Lenovo K6 Power (Silver, 32 GB) ★★★★☆ Rs.9999 Rs.-0	Lenovo Vibe K5 Note (Gold, 32 GB) ★★★★☆ Rs.11999 Rs.-0

localhost/shopping/product-details.php?pid=2

Home / Electronics / Mobiles / Apple iPhone 6 (Silver, 16 GB)

CATEGORY

- Books
- Electronics
- Furniture
- Fashion


HOT DEALS

Thea Stilton and the Tropical Treasure

★★★★☆

Rs. 240.00

Add to cart



Apple iPhone 6 (Silver, 16 GB)

★★★★☆ (0 Reviews)

AVAILABILITY: In Stock

PRODUCT BRAND: Apple INC

SHIPPING CHARGE: Free

Rs. 36990 ~~Rs. 0~~

QTY: 1


SHARE: [f](#) [t](#) [in](#) [r](#) [@](#)

localhost/shopping/search-result.php

SUB CATEGORIES

- LED TELEVISION
- TELEVISION
- MOBILES
- MOBILE ACCESSORIES
- LAPTOPS
- COMPUTERS
- COMICS
- BEDS
- SOFAS
- DINING TABLES
- MEN FOOTWEARS
- KURTAS
- DRESS

Search Result



Apple iPhone 6 (Silver, 16 GB)

★★★★☆

Product Recomm...rar shopping (1).zip computer compl...docx Show all X

localhost/shopping/index.php

\$ MONEY BACK

30 DAY MONEY BACK GUARANTEE.

FREE SHIPPING


FREE SHIP-ON ORDER OVER RS. 600.00

SPECIAL SALE

ALL ITEMS-SALE UP TO 20% OFF

FEATURED PRODUCTS

ALL
BOOKS
FURNITURE




Micromax 81cm (32) HD Ready LED TV (32T6175MHD, 2 x HDMI, 2 x USB)

★★★★☆

Rs.139900 ~~Rs.0~~

ADD TO CART




Apple iPhone 6 (Silver, 16 GB)

★★★★☆

Rs.36990 ~~Rs.0~~

ADD TO CART




Redmi Note 4 (Gold, 32 GB) (With 3 GB RAM)

★★★★☆

Rs.10999 ~~Rs.0~~

ADD TO CART



Lenovo K6 Power (Silver, 32 GB)

★★★★☆

Rs.9999 ~~Rs.0~~

ADD TO CART

localhost/shopping/index.php

My Account | Wishlist | My Cart | Checkout | Login
Track Order


Shopping Portal

CART - RS. 00.00

HOME
BOOKS
ELECTRONICS
FURNITURE
FASHION

CATEGORIES

- BOOKS
- ELECTRONICS
- FURNITURE
- FASHION



ELECTRONIC APPLIANCES

sty

Start

1:08 PM
16-May-20

5.3 METHODOLOGIES:

User Module

The user can register his or her own account and can login with his or her own credential.

Recommendation Module

Sentiment analysis

Based on user reviews, feedback and comments, we should classify all texts on the basis of positive, negative and neutral.

Feature Selection

On the basis of a feature selection method, we should classify all customers related to positive ratings and then suggest the product.

Classification-based collaborative filtering

Classification technique is based on customer keyword search, search engine based on the fact that we should use a collaborative filter technique to divide customers.

Model Selection:

Based on the user dataset, we have both input and output fields. So we know if we're going to suggest this product to particular customers that they can buy.

5.4 FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

FUNCTIONAL REQUIREMENTS:

- **Login**
 - **Description:** username and password
 - **Input:** name and password
 - **Processing:** Validating the user
 - **Output:** Home Screen
 - **Post Condition:** A new session would be generated

- **Manage User Details**
 - **Input:** Details of the user
 - **Processing:** Viewing details about user
 - **Output:** Add the files to database.

- **Admin Manage Admin**
 - **Input:** Details of the admin user
 - **Processing:** Viewing details about admin
 - **Output:** Add the details to database.

- **Admin Manage Product recommendation**
 - **Input:** Details of the product
 - **Processing:** Adding details and query about product

- **Output:** Add the details to database.

- **Manage Module**
 - **Input:** Details of the module
 - **Processing:** Adding details about module
 - **Output:** Add the details to database

NON-FUNCTIONAL REQUIREMENTS:

➤ **ADAPTABILITY**

Web documents square measure changeable in step with completely different condition such as, screen size distinction, resolution distinction, network speed distinction, OS, etc.

➤ **AVAILABILITY**

Database property is well described as providing and updating an accessible resource area unit in an algorithmic manner.

➤ **MAINTAINABILITY**

One will update the current project while not touching the continuing or the deployed project.

CHAPTER 6

SOFTWARE TESTING

Testing is primarily used to identify errors in the project. Testing plays a key role in all software products. Because here, all user requirements should be met. This is the method used to detect defects or defects in the software product. Once the project has been completed, we need to check all attributes and whether or not customer satisfaction has to be achieved. Each form that we need to check for validation, and whether the particular fields become blank, means that we need to show the user the error. The complete test case of the project must therefore be carried out in this test system.

6.1 TYPES OF TESTS:

Unit testing

Unit verification involves the planning of test cases and checks the code that the user has entered validly to get the valid output or not. Using the unit test method, we can check whether the person is an authorized or unauthorized person. If the person is authorized, he or she will be redirected to the next page. If the person is unauthorized, the error message will show that the input is invalid or something u can get a red mark on that particular page.

Integration testing

Integration tests are used to check the program page whether or not the user fills the values. Integration testing is used to check whether or not all fields are filled with value. If some of the fields are not a field and are mandatory, it indicates how you need to fill in the required value.

Functional Test

This test will provide a demonstration of the functions tested and will satisfy customer business and technical needs, system documentation and user manuals. It will validate user input and output based on customer satisfaction.

System Test

These tests are mainly used to check whether or not the customer requirement is fully satisfied. The system test will monitor the complete functionality of the software and will be used to find complete bugs in the project so that the developer can find the error at the time of development and all validation related bugs and missing field bugs should all be performed by the system test.

White Box Testing

We need to know the inner workings of the project in this test. If the tester only understands how to work, they can do this test. In this test, the tester can see the code and be able to modify the code and the internal work of the projects. If they've changed the system has to work fine, too. Testing should be very important for all software products.

Black Box Testing

This testing can be done by anyone. Because the work of the project is not necessary. These tests must be carried out on the basis of the user's requirements and specifications. If no one knows the flow of the project can also perform Black Box tests, they will have to prepare a complete test document and test case with the use of black box testing.

6.2 TEST CASES:

Test Reports for Login User

Test Case No.	Test Case Description	Input	Expected Result	Remark
1.	Correct userid And password	Use id and password	Login successful	Pass
2.	Incorrect userid And password	Userid and password	Login Unsuccessful	Pass
3.	Blank userid And password.	Userid and password	Prompts message saying required field	Pass

Test Reports for Product Creation with blank field

Test Case No.	Test Case Description	Input	Expected Result	Remark
1.	All fields filled	Proper details	New Item added	Pass
2.	Missing fields	Blank input for some fields	Prompt message	Pass
3.	To check String or integer	Wrong input	Asking for correct input	Pass

Test Reports for Admin User

Test Case No.	Test Case Description	Input	Expected Result	Remark
1.	Correct userid And password	Userid and password	Login successful	Pass

2.	Incorrect userid And password	Userid and password	Login Unsuccessful	Pass
3.	Blank userid And password.	Userid and password	Prompts message saying required field	Pass

Test Reports for Product types

Test Case No.	Test Case Description	Input	Expected Result	Remark
1.	Search the product and purchase	Product types and purchase	Product Recommend successful	Pass
2.	Invalid Login for purchasing product	Invalid product recommendation	Product Recommend Unsuccessful	Pass
3.	Blank Product name category	Blank Product name category	Prompts message saying required field	Pass

CHAPTER 7

CONCLUSION

In this project, we will classify customers on the basis of reviews, ratings and comments and past history data related to shopping. And here we use sentiment analysis technique and algorithm to predict customers to suggest and purchase the product. For this classification, we used a decision tree algorithm and a feature selection method to split customers based on interest in finding valid customers, we used a sentiment analysis technique and filtered those particular words based on search keywords, search engines and views. It is easy for customers to suggest other similar products to purchase. This method is very useful for businesses, managers and customers alike. Most customers looking for online products will check first ratings so that based on ratings we need to pick customers and find solutions and launch a new product that will make both customers and managers happy. So it's the easiest sales executive platform method.

CHAPTER 8

FUTURE ENHANCEMENT

In the future, in order to develop an online e-commerce method, we can use some machine learning technology to improve the websites. Using Machine Learning Technique, it is easy to categorize all users' interests. Because Machine learning is going to predict output based on a dataset. We have a number of customer data in that we have both input and output like what they're interested in or not. Using a supervised learning technique, we should collect data , analyze data, share data and use a sentiment analysis technique to filter ratings for using natural language processing, use any machine learning algorithms, and find the accuracy for customers like this product or not on the basis that we can make suggestions or recommend these products.

CHAPTER 9

REFERENCES

[1] C. Catal and M. Nangir, “Sentiment classification model based on multiple classifier “, Applied Soft Computing, vol. 50, pp. 135–141, November 2016.

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2. www.w3schools.com
3. www.wampserver.net
4. www.wikipedia.org
5. www.stackoverflow.com
6. www.javascript.com
7. www.tutorialspoint.com