

A project report on

**ASPECT FABRICATION BOARD WITH
REUSABLE IDENTITIES**

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

MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

BHAVANA L.S

1CR17MCA05



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

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Ms. Gomathi T
Asst.Prof & HOD
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Mr. Ganesh D
Team Lead
Tangent Probiz,
Bangalore.



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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

**ASPECT FABRICATION BOARD WITH
REUSABLE IDENTITIES**

*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*

**BHAVANA L.S
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- 1.
- 2.

DECLARATION

I, **Bhavana L.S**, student of 6th MCA, **CMR Institute of Technology**, bearing the USN **1CR17MCA05**, hereby declare that the project entitled “**Aspect Fabrication Board With Reusable Identities**” has been carried out by me under the supervision of External Guide **Mr. Ganesh D**, Team Lead, Tangent Probiz, Bangalore and Internal Guide **Ms. Gomathi T**, **Asst.Prof & HOD, 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

BHAVANA L.S

Date:

(1CR17MCA05)

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 Mr. Ganesh D, Team Lead, Tangent Probiz, Bangalore, and to my Internal Project guide Ms. Gomathi T, Asst.Prof & HOD, 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 Mr. Ganesh D, Team Lead, Tangent Probiz, 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.

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*Applying intelligence to make
technology work*

CERTIFICATE

This is to certify that the project titled "Aspect fabrication board with reusable identities" is submitted to Tangent ProBiz in fulfillment of the requirement for the final semester degree of MCA from CMRIT, Bangalore.

The project is a bona fide record at work carried out by Miss. BHAVANA L.S (1CR17MCA05) under the supervision and guidance of Mr. Ganesh D (Team Lead), Tangent ProBiz Bangalore between the periods from 30th December 2019 to 30th May 2020.

The source code of the Project and executable file setup is not issued to the trainee as per the policy of the company.

Thanking You,

For Tangent Pro Biz

A handwritten signature in blue ink that reads "Karan Jain".

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CHAPTER 1

INTRODUCTION

1.1 PROJECT DESCRIPTION

Initiating bigger projects we require a detailed functional engineering so that system is design with various types of elaborated drafting board with component integration mechanism support large functional engineering actives.

All types of professions that are required for the ideas associated can be properly established with the help of the system and each type of design can be organized because we know that references of workability will be different from one organization to another and from one project to another.

The system provides the references that are required for the linear engineering of the ideas so that any type of organization can have the reference. Multiple types of detailed processing information is required to be incorporated with the system acknowledgement as multiple users will be working on the larger projects on different phases.

The system is also designed to incorporate multiple types of page at the same time with reference shall identities so that each project can be managed individually with different types of control planning.

The project that are required to be undertaken at to be set up with some formal setup that are provided by the system so that the users can have a clear idea of individualization of different task related. Categorizing of different types of projects will provide the company to manage different types of working stages and to add on new projects when it come on the same Framework making it very much easier to have a proper control.

All types of associations that are required for different types of process engineering based on visualization and information inclusion will be provided to the users. The visualization setups will be based on different components which are acquired which are again associated with different types of categorical identity and each reference can be collected and can be altered as required for the design perfection.

The visualization that are required are again in two different configuration first it is required for Idea understanding and consolidating all types of process undertaking that has to be accompanied for a particular task.

As the reference of The Identity finalized after which the reference of the workability is required to be design so that we can understand that how different components of the project related and in the real-time how they will perform.

All types of visualization that will be undertaken is very much suitable for the visual understanding and quick modifications. The modification that is required can be done any time by selecting the identities that has been added to the design frame by the authenticated users.

All the users data related will be also provided with different types of access control and workability this will help to structure the usage of the system and will be done by the administrator of the organization.

The system is well incorporated with multiple pages as different types of associations and planning for required to be performed at the same time. Each page will be different and will be performing activities according to the factor which are saved according to the consideration.

The system is incorporated with pick up a template option which will be useful in such a way that all types of work consideration which are required to be undertaken is presented with some important perception examples and its examples can be utilized if required directly.

The system is also incorporated with a blank provision which will be applicable to acknowledge the work from the new identities and components which are provided to the users in different types of categorical option.

The identities are well proclaimed with the help of different types of modification options which will be useful to have the references as required by simply adding The Identity to the frame selecting it in modifying it.

For proper understanding of the work even a simulation option is provided and this simulation option will be in such a way that which never regulation are the acknowledged in that particular frame with the help of different types of components can be understood with a run which will be presented as if the real time working is show.

With the help of simulation the final draft can be against checked for the overview of the information transfer and how the system reacts when a particular aspect is selected.

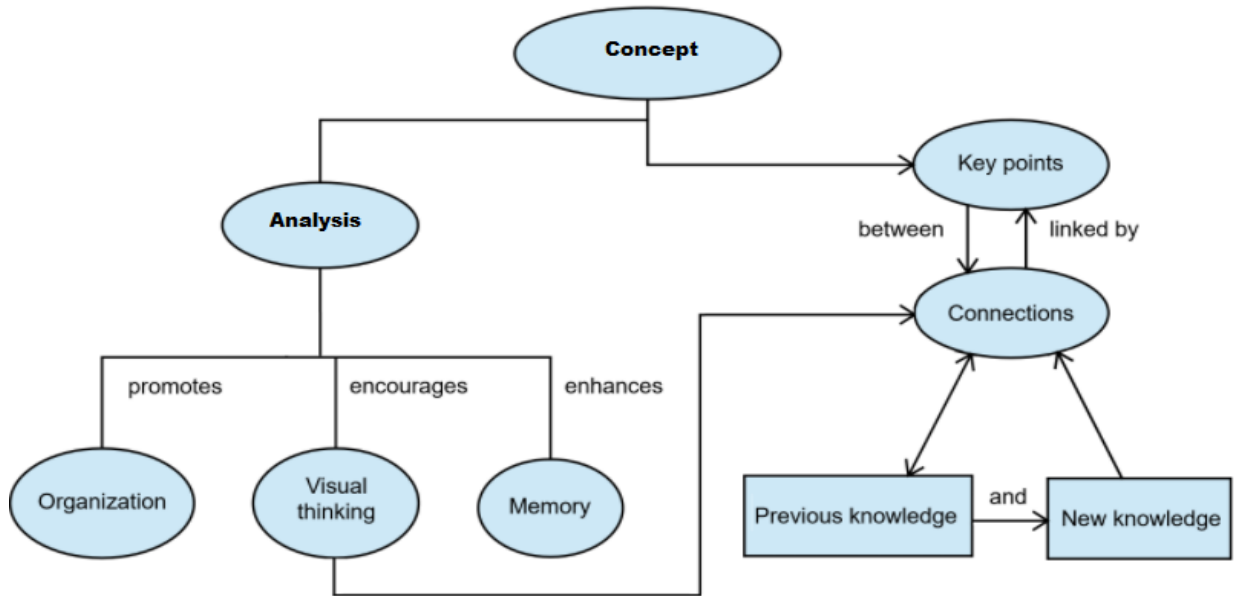


Figure 1:-shows the underlying provisions for the design concepts.

All types of requirement based on the events that have to be provided to the uses in terms of the identities that are added will be designed and easy designs will be provided to the users in such a way that much more activity are automated in the reference.

Different types of transfer sharing is also included so for example if any type of platform is required for the invitation it can be utilized say for example Twitter or if directly from any e mail the invitations are required then it can be also organized where is if a direct security based accessibility links generation is required for the coordinator also generated.

1.2 COMPANY PROFILE



Built up in 2010 all the related operational innovative work administrations are given the different associations. The related ability will assist the customers with associating the need it incorporated work excellences as per the redid necessities concerning each customer related prerequisite investigation with related research procedure for execution is arranged so a very much characterized program point of view can be given. The whole innovative base is incorporated for the necessary advancement and examination as related view of the customer's prerequisite taken so that upgraded work administrations can be given.

The organization gives various stage based business arrangements to the customers including various areas from account to the advancement associations with the goal that a working can be more improved in differential working. The Global nearness and the required conceptualization usage to accomplish the objective will help the association the objective more customers.

The main working choices in terms of the association is listed below-

Business Optimization

Facilitating arrangements gave

Portable application administration

Digitalization

Generation observing

Monetary counselling

Online business stage outline

Application advancement

Rebuilding exercises

Examination progressively will be embraced

CHAPTER 2

LITERATURE SURVEY

2.1 EXISTING SYSTEM AND PROPOSED SYSTEM

Existing system

The principle that are required to understand the best processes related to different types of strategies and related to different types of software's that are required to be designed are quite difficult for the organizations to manage as it includes different types of resources with different types of associate requirements. All the requirements are again organized individually so the environment integration is also included making it quite complex.

Some of the important problems that has been associated with clients are listed as following-

- Specified activity-based resources are utilized for example for designing different types of tools are available, for final draft design different tools are required, for integrated working different tools are required, for simulations different tools are required etc. making the overall workability quite complex.
- We also found the different types of technical associates are required for the design perception orientations in different types of ways so we can say that more peoples are required which has to be again organized.
- In the existing system we found that when any type of design particulars are required it will be fetched from the resources that are utilized and there is no perception of new identity designing for component designing and even the modifications for the provided components are having lots of limitation.
- Incorporate usage which is required when complicated task is being undertaken is also quite difficult as various types of users are required to keep associated in different format with different types of accessibility setup and environment setup involved.
- When different types of complex perceptions are designed the requirement of sharing in distribution also arises and in the existing system we found that again the limitations in terms of sharing and publishing is found in terms of the clients.
- The virtual simulation that is required based on the component synchronization is also difficult in the existing system each component has to be simulated manually and requires more effort check.

- Requirement of various types of technologies that are associated when different perception are acknowledged for example the design perceptions of the related process designing perceptions are different making it quite difficult to organize and control on a central environment.
- The required knowledge for undertaking different types of perception is also required but in the existing system we found that there is no mechanism of template-based help or reusability which is much required to maintain the standardization and understanding.

Proposed system

All the essential perceptions that are required for the planning and for the reengineering of workability definitions are provided in the system and have been associated in such a way that users can have a console based control.

The proposed system is defined for the substantial organizational workability format which includes different types of process reference design and other perception of planning so the system can be utilized at a time with different types of considerations.

Substantial usability which is required is provided in such a way that easy understanding can also be established with multiple standard help option.

Some of the important aspects that have associated with the proposed system is listed as following-

- Draft engineering can be properly associated within the system in different regards so we can say that in proposed system different types of activities can be performed in terms of the simulated process designing, the residential plan structures for the project or any type of design simulation overview.
- In the proposed system we also found that options are illustrated in such a way that the consideration can be properly understood and the companies using the system are required with less expertise.

- Multiple types of design identities and components are associated with in the system which again is provided in such a way that all types of illustrations can be generated from the central accessibility frame which is provided to the user according to the working requirements.
- Proper incorporation are supported in the system so different types of teams can work on different frames for considering different types of activities in the propose system making if very much flexible and usable for the company's undertaking different types of work at the same time.
- The distribution that require is also properly at knowledge by providing the clients with different types of platform Association and this will be very much helpful to acknowledge more references to the users as they can select where they want to transfer the references.
- In the proposed system even the simulations can be performed and the simulations can provide the real time testing to get the references of the designs or we can say that whatever has been worked on can be checked with the help of simulation.
- All types of technological requirements are fulfilled in the proposed system so that it can be utilized with more reference by multiple companies.
- Different types of help templates are provided in the proposed system so that the variations of the designs can be achieved faster and in terms of more considerations.

2.2 FEASIBILITY STUDY

The feasibility study is to reference the requirement which is feasible for undertaking the proposed project different types of fractions are divided and each perfection will be discussed where the important considerations taken are in terms of Economic feasibility, Operational feasibility and Technical feasibility.

Operational feasibility

The operations are required to be guided has different types of design and implementation features are added so different types of steps will be taken to make understand about the real usability of the system.

The system's uses are provided with the help of enormous training that will be provided in house and even the references that will be channel in the form of documentation.

They are well performed by using the references off automated notification also making it very much useful when multiple users are using it in real time.

Technical feasibility

Operational considerations of the component which has to be included in multiple references for example when different types of perception are acknowledged the components will be automatically different so each reference is required to be provided in a compatible working manner.

All types of reference pages included will be checked for multi incorporated working which have associated to have detailed reference workability.

The technical aspects of incorporated sharing of the stages will be also undertaken as it is required that according to the scenario the perfection can be matched.

Reference of the sharing will be checked for the conversion and for the security based transfer.

Multiple templates and project undertaking with the concerned objectification will be also checked as it is needed that each perception should be perfect for the references and understanding.

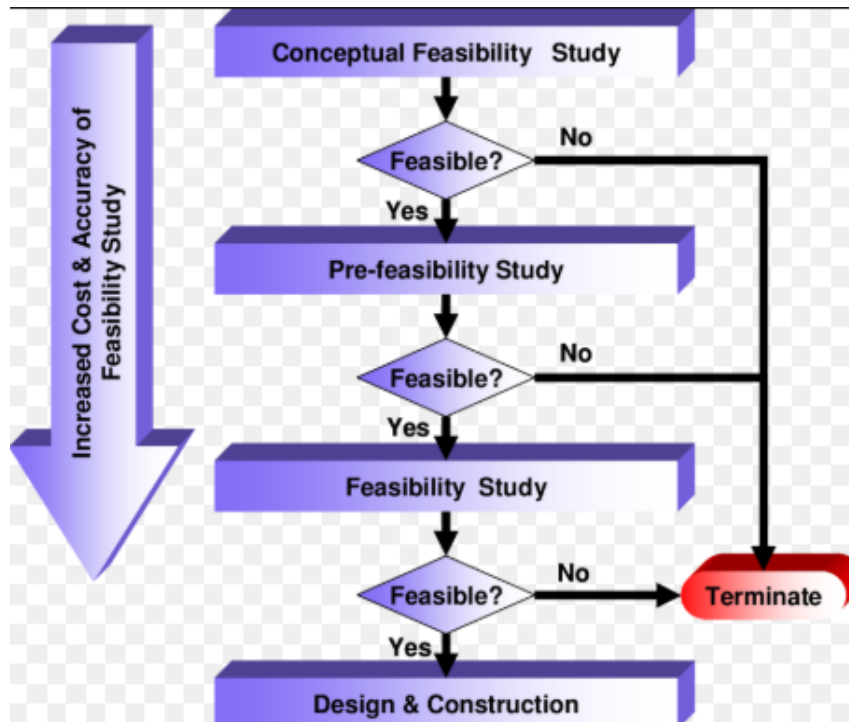


Figure 2:-Shows the feasibility consideration.

Economic feasibility

The economic consideration that are proposed should be based on a proper mechanism of statistics that has to be generated to get an idea that how much money is required to undertake the overall development and implementation work.

Return on investment calculations will be performed so that will be having a clear understanding about how much money is required and for what.

Economic understanding is required for successful implementation of project.

2.3 TOOLS AND TECHNOLOGIES USED



JAVA

Java is a popular programming language, created in 1995.

Used for:

- Web based applications
- Web servers as well as application server
- Mobile applications
- Desktop applications
- Database connection
- Games

My SQL

- My SQL is a database system used on the web.
- My SQL uses standard SQL.
- My SQL compiles on a number of platforms.
- My SQL is free to download and use.
- My SQL is developed, distributed, and supported by Oracle Corporation.
- My SQL is a database system that runs on a server.
- My SQL is ideal for both small and large applications.
- My SQL is very fast, reliable, and easy to use.

2.4 HARDWARE AND SOFTWARE REQUIREMENTS

SOFTWARE REQUIREMENTS

Databases	MySQL8.0.13
Technology	Implementation of Hybrid cloud
Platform	Windows 10
Languages	JAVA (Java 2 platform Enterprise Edition, JavaScript, Java Server Page)
Integrated development environment	Net Beans/ Eclipse
Supporting Server	Apache Tomcat 8, SSD cloud server, Amazon s3

HARDWARE REQUIREMENTS

Processor	Intel core i3
Speed of Clock	1.7 GHz
Hard Disk Space Required	500 GB
RAM Size	4 GB

CHAPTER 3

SOFTWARE REQUIREMENTS SPECIFICATION

User

Administrator

As we want that multiple channels can be associated and different types of working understanding can be achieved from a single system there should be a process of structuring the system and providing the accessibility rights and this will be done with the help of the administrator.

Team members

The required working Associates will be also added by the administrator to provide the conditions according to which they will be having their own accessible platform which will be utilized by them according to their perceptions and according to the task that has been allocated.

Assumptions and dependencies

Each task requires knowledge of how to utilize the components for the particular flow design for the simulations that have been generated. As each task will be different from one another it is required that each user should be having a detailed understanding about that particular so we want that the users should have the understanding to incorporate the task.

Dependencies obvious as incorporated users will be using the same working frame for different types of work consideration. The company using the system will have the dependency in terms of understanding and implementing the workable task.

Scope and objective

The scope of the system is to identify each perception of the complex strategic design in relation to the different logical variations and to provide each variation on a central platform. The companies with the help of this platform can organize different types of perception at the console which makes it effective and referential.

The objective of the system is to acknowledge multiple components and identities on same console system to provide the flexibility that is needed and even provide the work synchronization based on collaboration and coordination.

Problem statement

The problem statement in reference to the working days that multiple types of automated considerations are required to be acknowledged where we have to understand that workability is based on different perceptions of process designing so when multiple users with different terms with using the system has to replicate accordingly.

Even the references of automation are required to be properly understood in variations of analysis perceptions that will be defined.

3.1 FUNCTIONAL REQUIREMENTS

Associate each functionality and the triggers we have to document the functions individually where other details of processing and perceptions of the output that are required to represented will be discussed. We have to discuss each operation individually so that we can identify and acknowledge the working requirements.

Table 1:-Frame replica

Use Case Name	Frame replica
Trigger	Settings
Precondition	Admin access
Process	Frame replica design will be done by the administrator of the control panel which will have the right provided to the users so that they can acknowledge different types of process design based on the references so for example One Frame is required to acknowledge the technological process designing and other frame is required to design the simulated software perceptions it has to be first structured and in reference to which the system will provide the accessibility.
Post-condition	Various frames added

Table 2:-Automation processing

Use Case Name	Automation Processing
Trigger	Auto
Precondition	Working undertaken
Process	Automation processing will be provided where different types of cost analysis, document generations, workforce analysis etc. will be undertaken. System Associates the automated calculations of different types of mathematical requirements that will be in terms of the cost analysis so as the plan perceptions are undertaken automatically the reports will be generated.
Post-condition	Regulations formed

Table 3:-Custom modification

Use Case Name	Custom Modification
Trigger	Selection based
Precondition	Frame added
Process	<p>Custom modification of the components are required so that when the users are using the components it can be associated according to the requirement of the particular for which the frame if selected.</p> <p>The references of the components are provided in multiple types of variations so that it can suit different requirements of the time for example if related consideration of complex process design is required the related components are acknowledged.</p>
Post-condition	Added with task requirements

Table 4:-Simulation

Use Case Name	Simulation
Trigger	Settings and conditions
Precondition	Reference added
Process	<p>For the generation of the simulation different types of conditions are required the first Technologist with the components so the system is divided into two parts where first the conditions and regulations are added by the user for the design and in the next provision the simulations can be branch and can be associated according to the required.</p> <p>As the simulations are run it provides the users with real-time understanding so that they can understand how the design perfection will work.</p>
Post-condition	Various simulations seen

Table 5:-Conditional working

Use Case Name	Conditional working
Trigger	Selective
Precondition	Settings required
Process	<p>Conditional Working and conditional accessibility will be provided to the users which is included with multi selection of according to the option selected the system will provide the guided working and in reference to which different types of identities will be added.</p> <p>Various types of platforms are provided various types of mechanism for included the users are only required to provide the substantial inputs so that system can save the workability and accordingly the activities can be performed.</p>
Post-condition	Various types are acknowledged

Table 6:-Data replication

Use Case Name	Data replication
Trigger	Access required
Precondition	Task allocated
Process	Data Replication will be provided insert a format that different types of online instances based on security can be acknowledged and detailed data reference can be substituted or we can say that system provides multiple mechanism to save the data as it is required.
Post-condition	Data designs seen

3.2 NON- FUNCTIONAL REQUIREMENTS

The non functional requirements are based on the quality which is required when users are working. For example, in reference to clauses as well as the regulations that has to be followed while using the system has to be acknowledged, in same regards the system should be secure so that users can operate different types of business task on the system likewise multiple options are required to be undertaken.

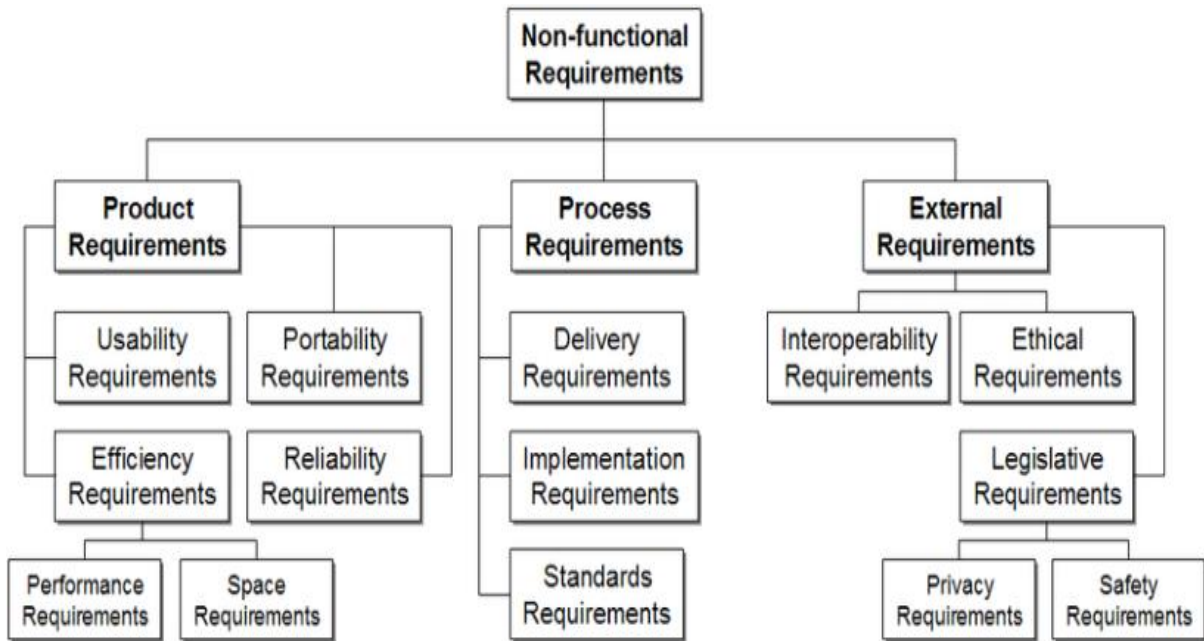


Figure 3:-Non functional requirements concept is shown in the above diagram.

Scalability

Any type of data reference can be managed on to the system so that each type of consideration can be properly organized where multiple team will be incorporating different types of business understanding the system provide detailed scalability and can handle large set of data.

Security

Parallel security transfer encryption are incorporated within the system where is different types of regulation for the frame structuring and usage is also provided or we can say that multiple processes of the security are included so that the companies can utilized the type of reference they require and each identity incorporated within the system can be managed individually by the administrator.

Documentation

The documentation that are provided to the user have to be substantial so that they can understand any type of reference theory so the system is is incorporated in a way that inbuilt documentation system can be provided for more channelled working and understanding. Any

type of search of information will be fulfilled by the system with the knowledge database that is provided.

Maintenance

New perceptions will be added and will be updated to the user accounts and this will be done by the service provider. The maintenance will be divided into two sections one is that all the workability that is provided in the form of features are maintained by the system and all the references that are required to be updated within the frame will be done by the administrator.

Clauses

The clauses that have required for the legal understanding of the usage of the system and for publishing the documents will be provided to the users in such a format that each user can understand the legality of the platform that is provided.

CHAPTER 4

SYSTEM DESIGN

4.1 SYSTEM PERSPECTIVE

A conceptual model is been designed so that the structure behaviour and view of the system can be properly recognized this is what we call the architecture diagram.

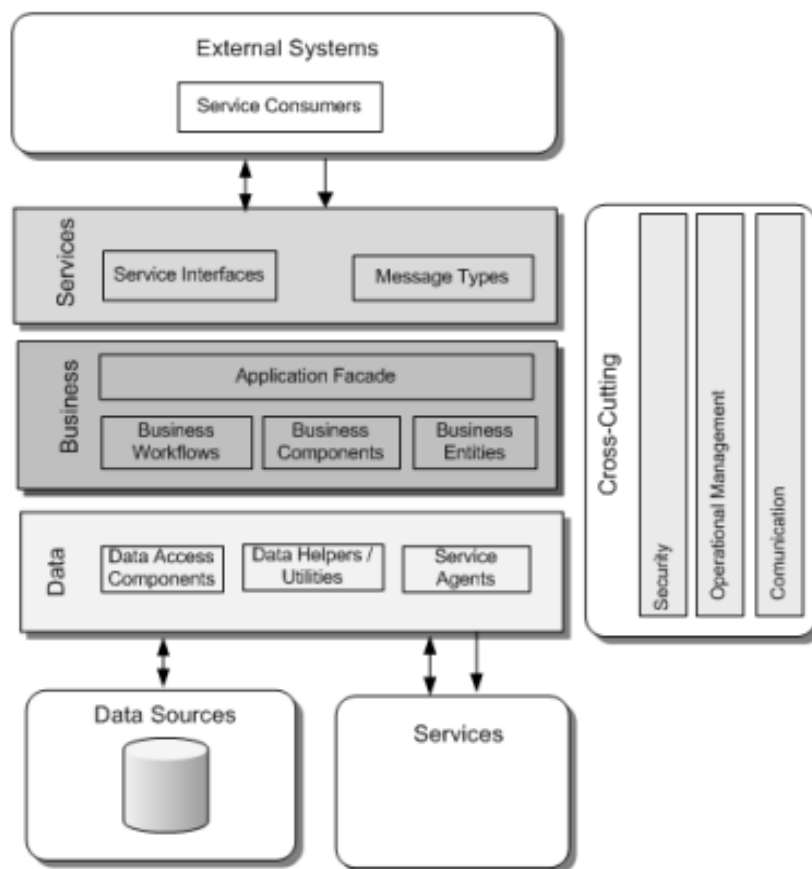
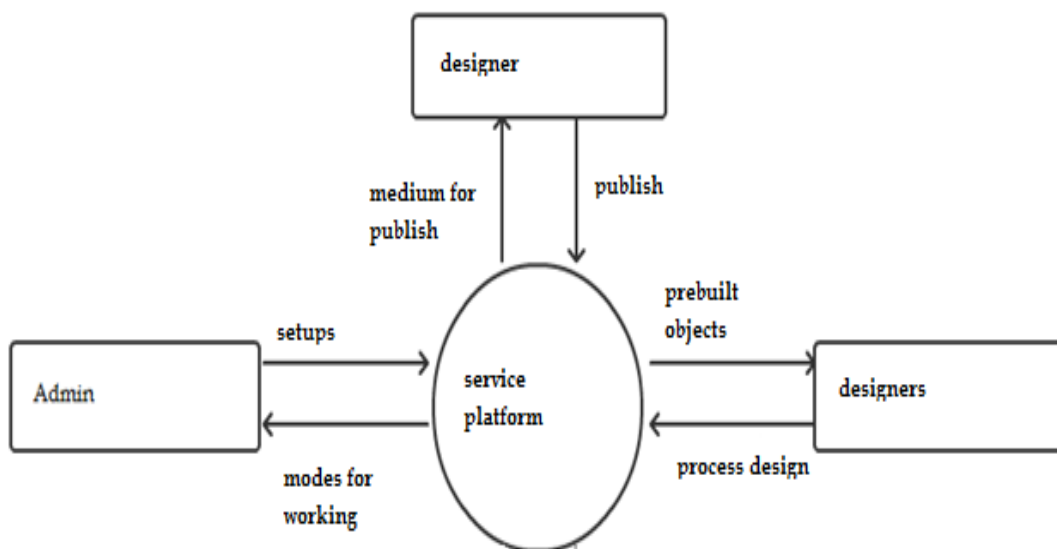


Figure 4:-Architecture diagram for considerations of services and the related business logic.

The above architecture diagram shows the considerations of services and the related business logic where the processing of different reference of business processes will be undertaken and how the data source is connected.

4.2 CONTEXT DIAGRAM/DATA FLOW DIAGRAM

To have the reference of the information flow between external identities and the system with design the context diagram sometimes is called 0 level dfd where clarify the boundaries of the software system is under taken.



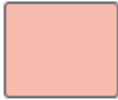


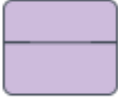
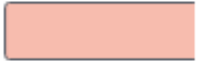



Context diagram

Figure 5:-Context diagram for platform.

The above context diagram shows that how the platform provided services can be utilized for different types of plan perception and process designing, various types of publishing and designing preferences can be utilized.

The flow of information for different types of identities where the outputs and inputs are required to be established is done with the help of DFD.

DATA FLOW DIAGRAM NOTATIONS

	Yourdon and Coad	Gane and Sarson
External Entity		
Process		
Data Store		
Data Flow		

4.2.1 DATA FLOW DIAGRAM OF USER

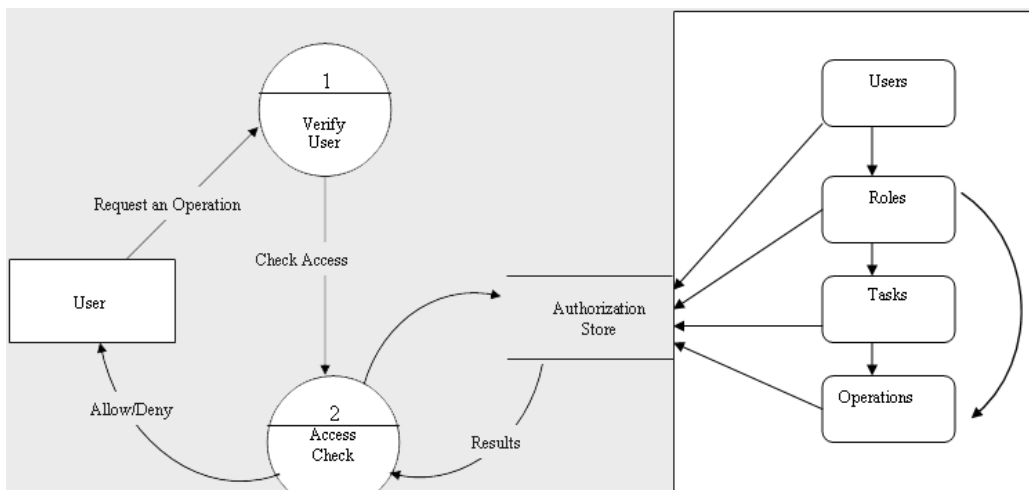


Figure 6:-User side data flow diagram.

The above Data flow diagram shows the processing of the user verification and how related to the workability the authentications are provided when particular user will be providing the credentials.

4.2.2 DATAFLOW DIAGRAM OF SYSTEM

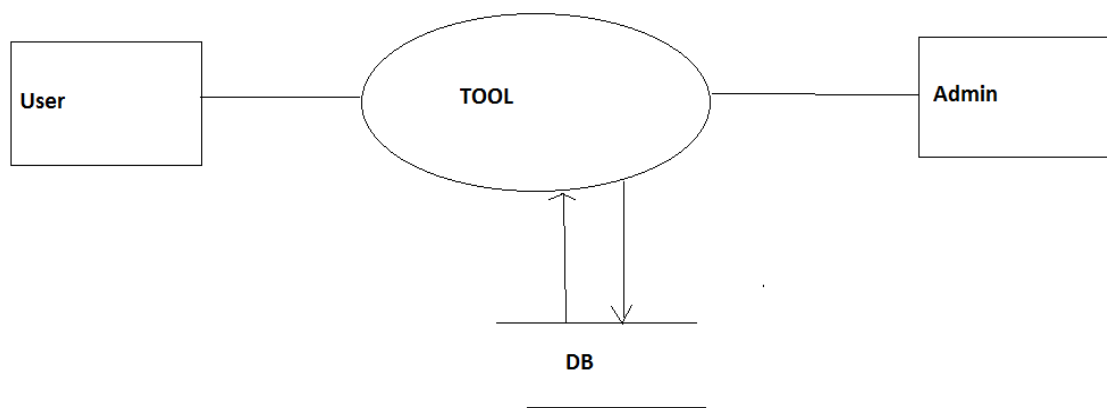


Figure 7:-System side data flow diagram.

The above figure is a zero level diagram which shows that how users and administrators will be having access ability and the system will reference the details from a centralized data repository.

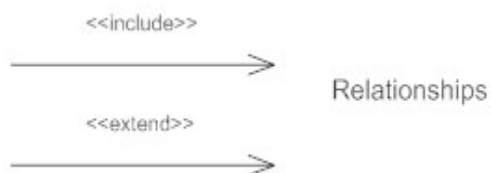
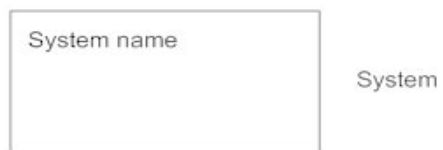
CHAPTER 5

DETAILED DESIGN

5.1 USE CASE DIAGRAM

It shows all types of interactions and relationships between user and different type of use cases where the User is involved for the referential usage.

USE CASE DIAGRAM NOTATIONS



5.1.1 USE CASE DIAGRAM OF ASPECT FABRICATION BOARD WITH REUSABLE IDENTITIES APPLICATION

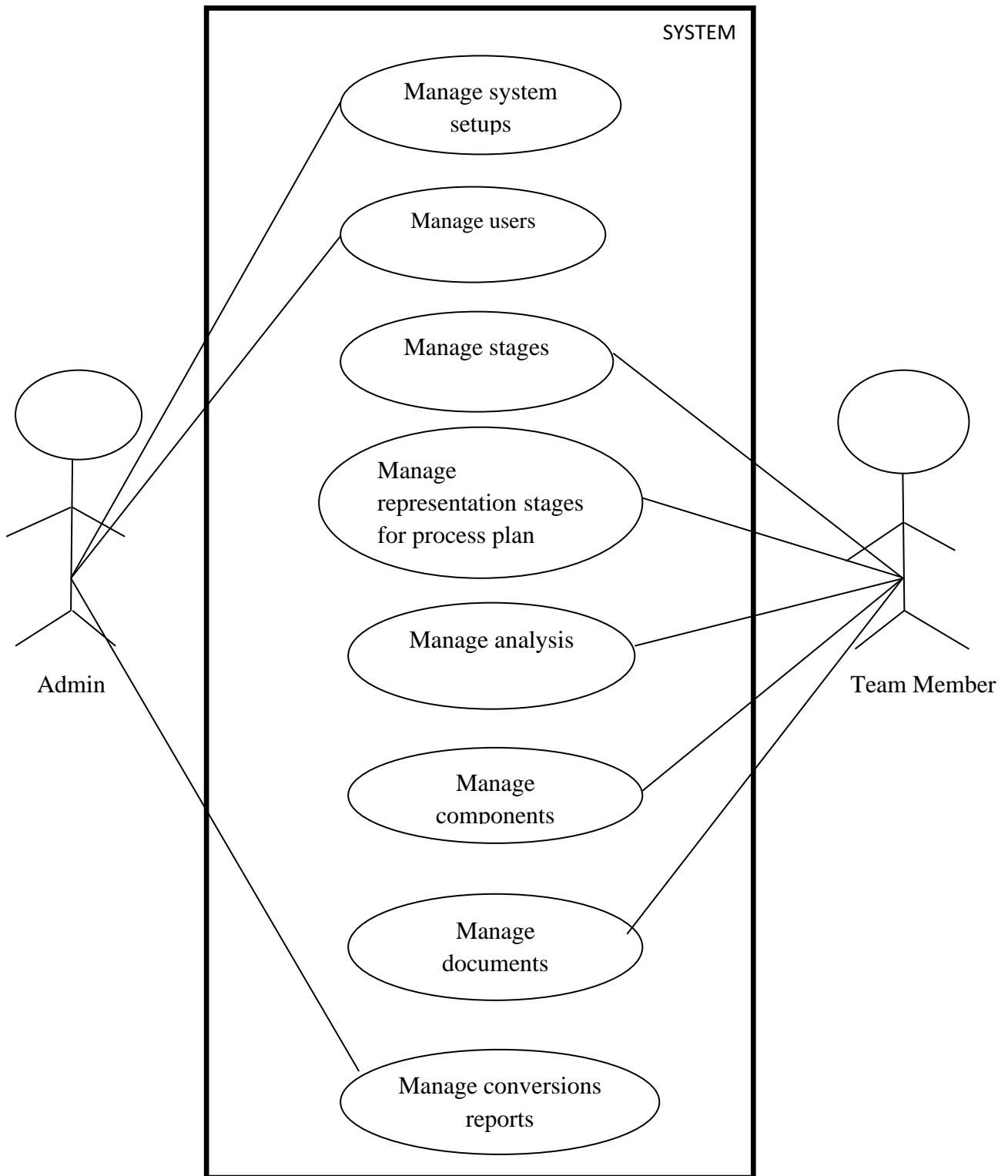


Figure 8:-Use Case diagram for Aspect Fabrication Board Application.

The above figure shows that how administrator and the team members can utilize the system for different consideration as administrator will be having the rights of settings the team members will be having the right of component usage and collaborations.

5.1.2 USE CASE DIAGRAM FOR ADMIN

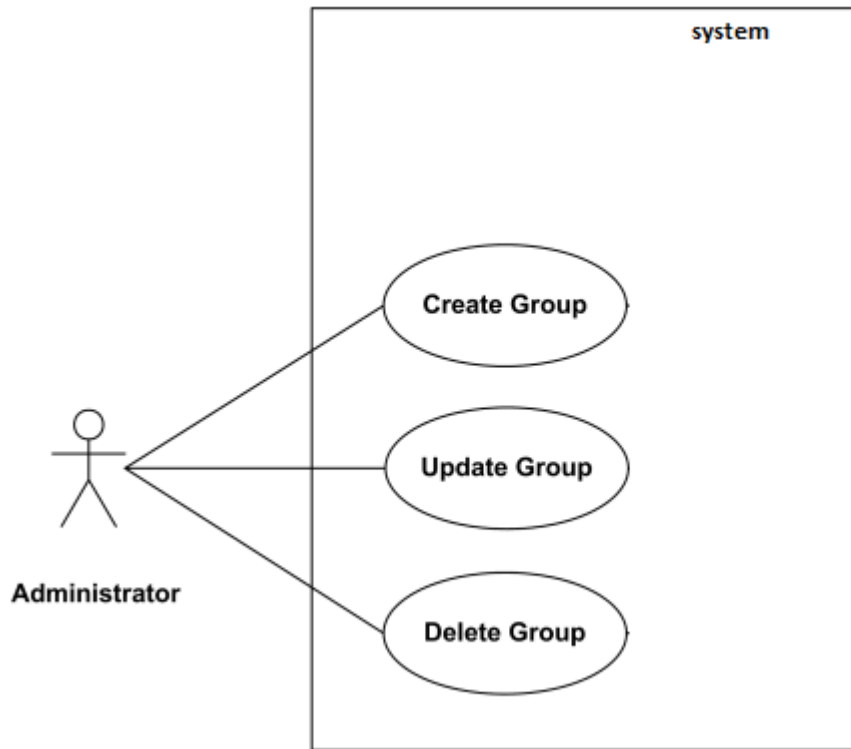


Figure 9:- Admin side use case diagram.

Diagram shows that how the administrator can divide the users into multiple groups for multiple work undertaking.

5.2 SEQUENCE DIAGRAM

It shows the related external actors and the related methods invoked by these actors.

5.2.1 SEQUENCE DIAGRAM OF REAL TIME FORM

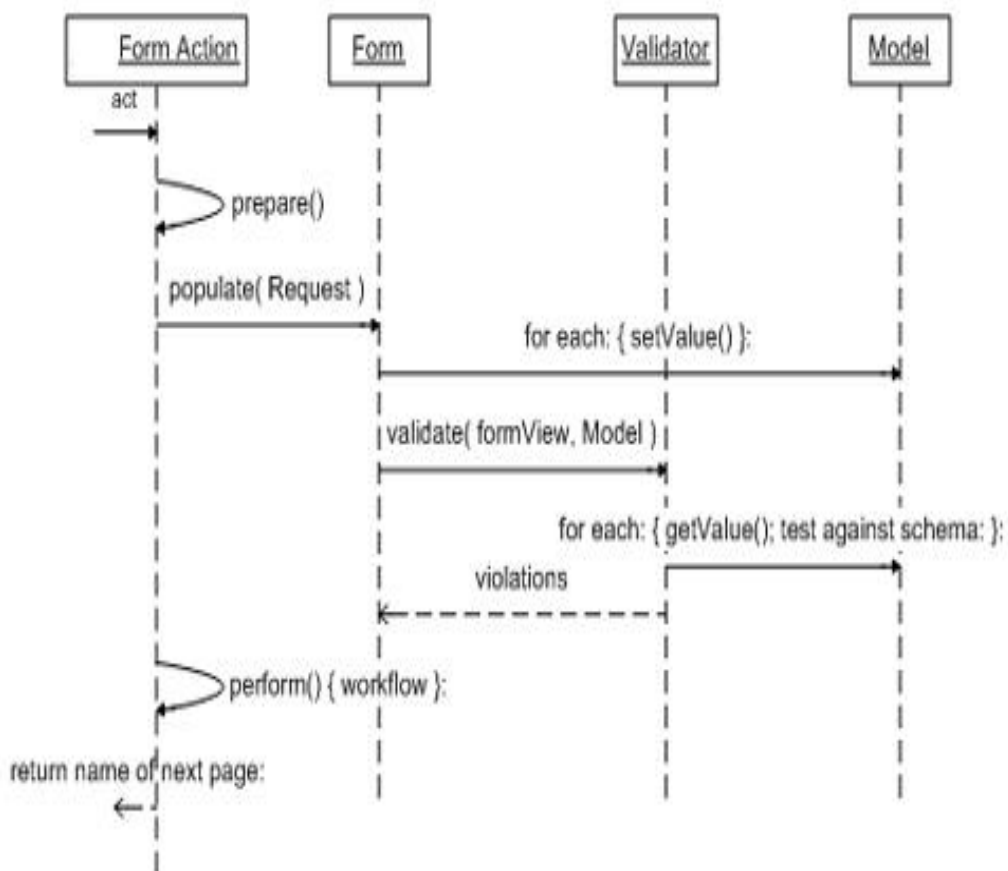


Figure 10:-Sequence diagram for real time form.

Working of the real time form that is provided is shown that how it will validate file system for the related actions.

5.2.2 SEQUENCE DIAGRAM OF ADMIN

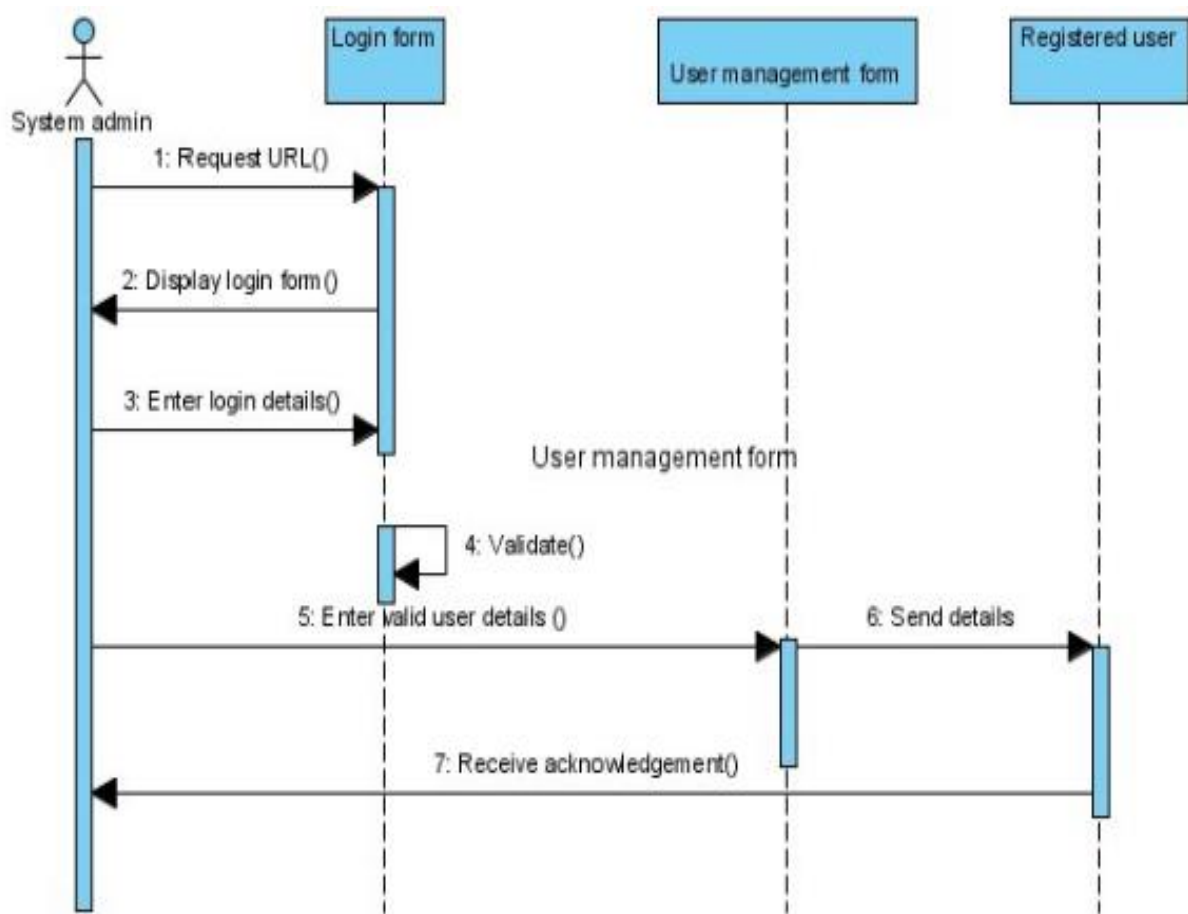


Figure 11:-Sequence diagram of User's invitation and management by admin for collaboration.

The above figure explains the administrator activities which will be referenced for adding the users.

5.3 ACTIVITY DIAGRAM

It is designed to understand the flow of one activity; multiple sequential branches are related so that all types of flow control can be defined between the elements.

5.3.1 ACTIVITY DIAGRAM FOR ADMIN

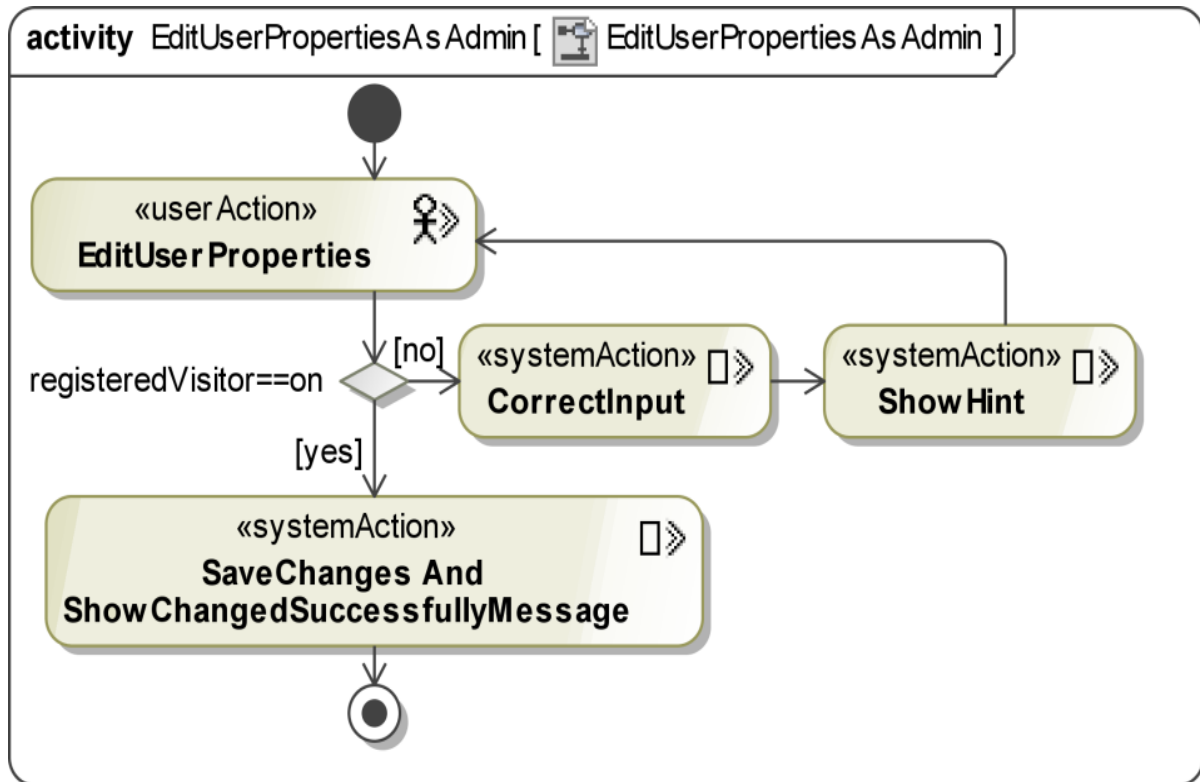


Figure 12:-Activity diagram for Admin.

The activity diagram shows that how the component properties are modified and how the activity sequence references are formed.

5.3.2 ACTIVITY DIAGRAM FOR FILE MANAGEMENT

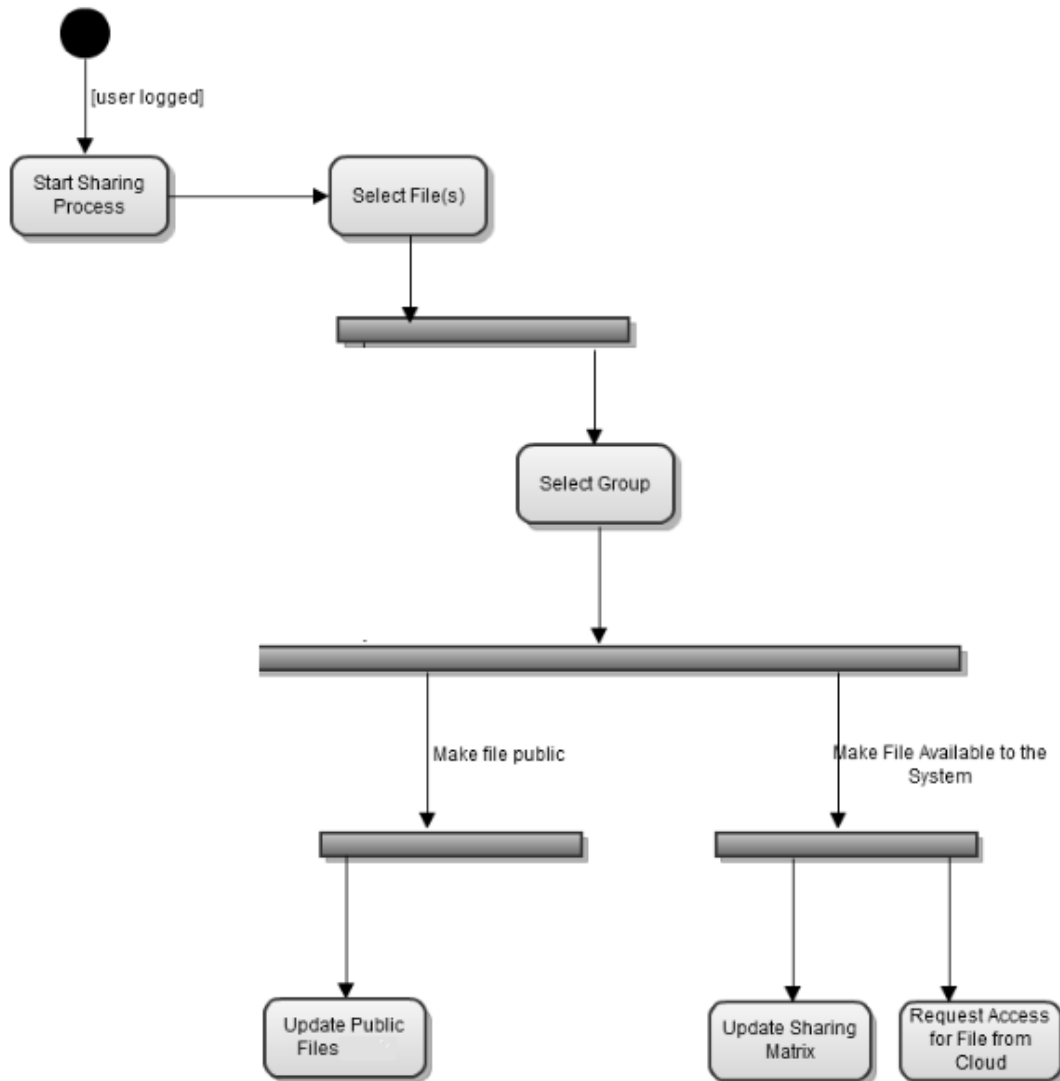


Figure 13:- File Management activity diagram.

Activity diagram shows different types of activity references for file management as in the system detailed folder management and document integrity references are required to be acknowledged.

5.3.3 ACTIVITY DIAGRAM FOR CRITERIA RESULT

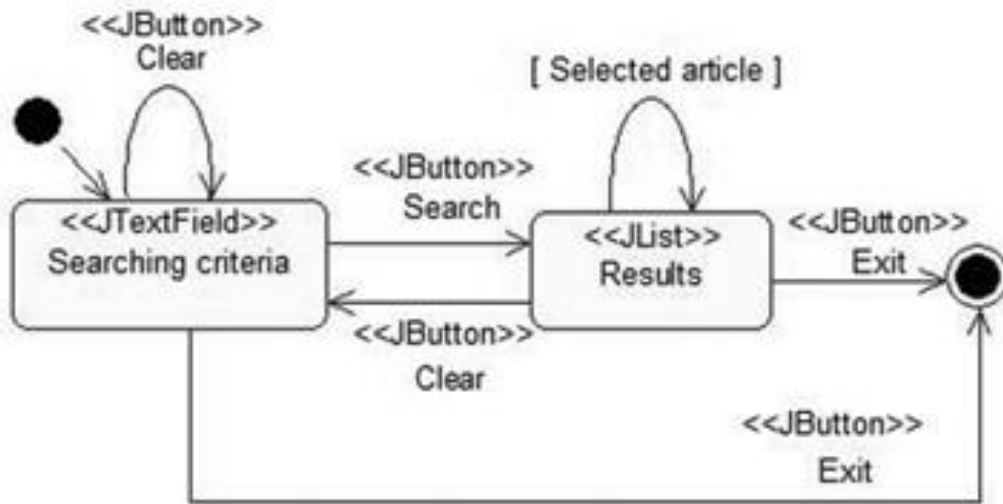


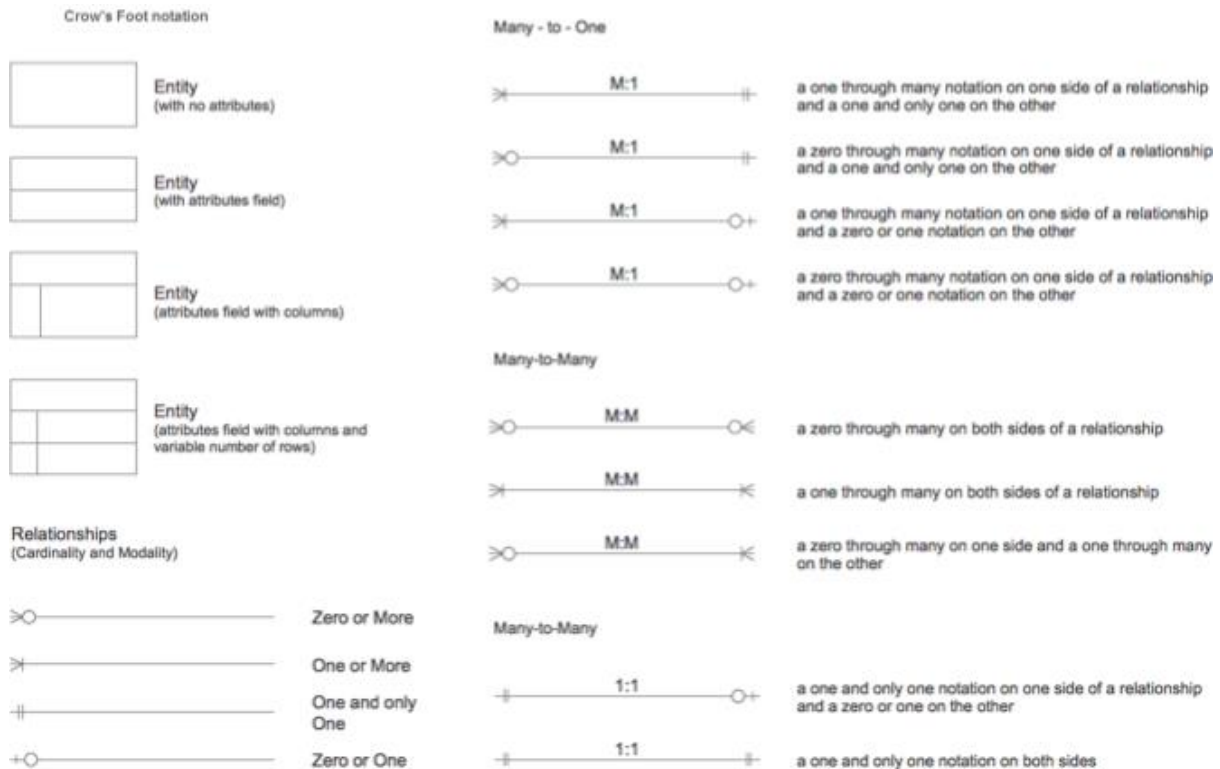
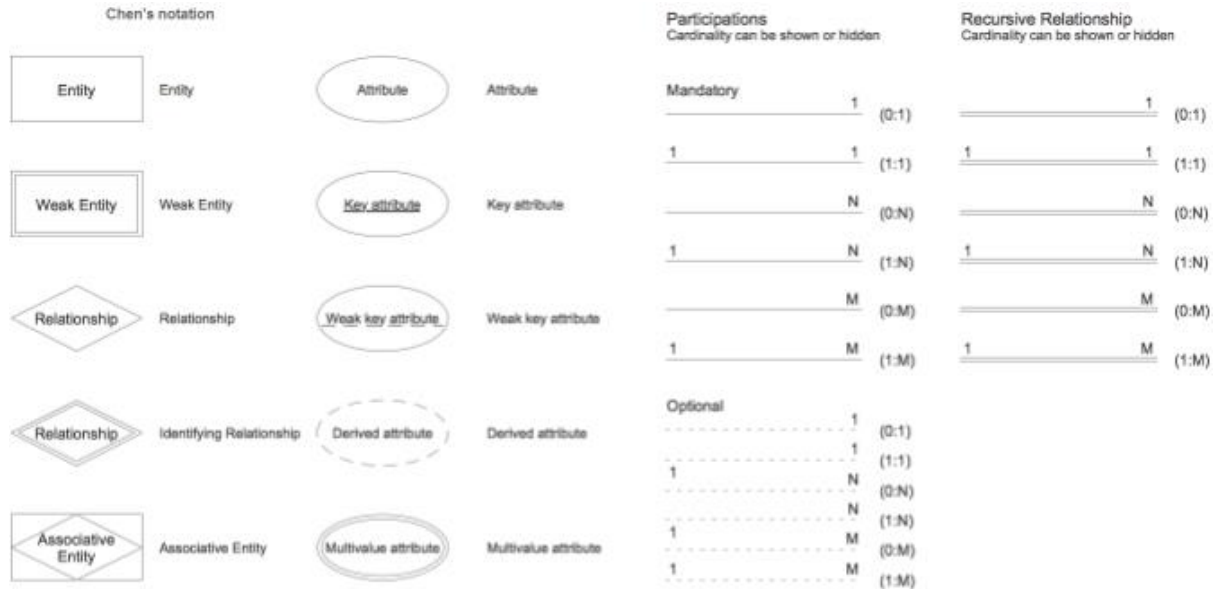
Figure 14:-Activity diagram of Criteria Result.

Activity shows the search criteria where different types of utilities will be utilized by the users and according to the requirements multiple search conditions can be setup to undertake the process analysis.

5.4 ENTITY RELATIONSHIP DIAGRAM

This model is a high level conceptual model which helps us to analyze data requirements and it is helpful for well-designed database.

E-R DIAGRAM NOTATIONS



5.4.1 E-R DIAGRAM FOR GROUPS AND RIGHTS

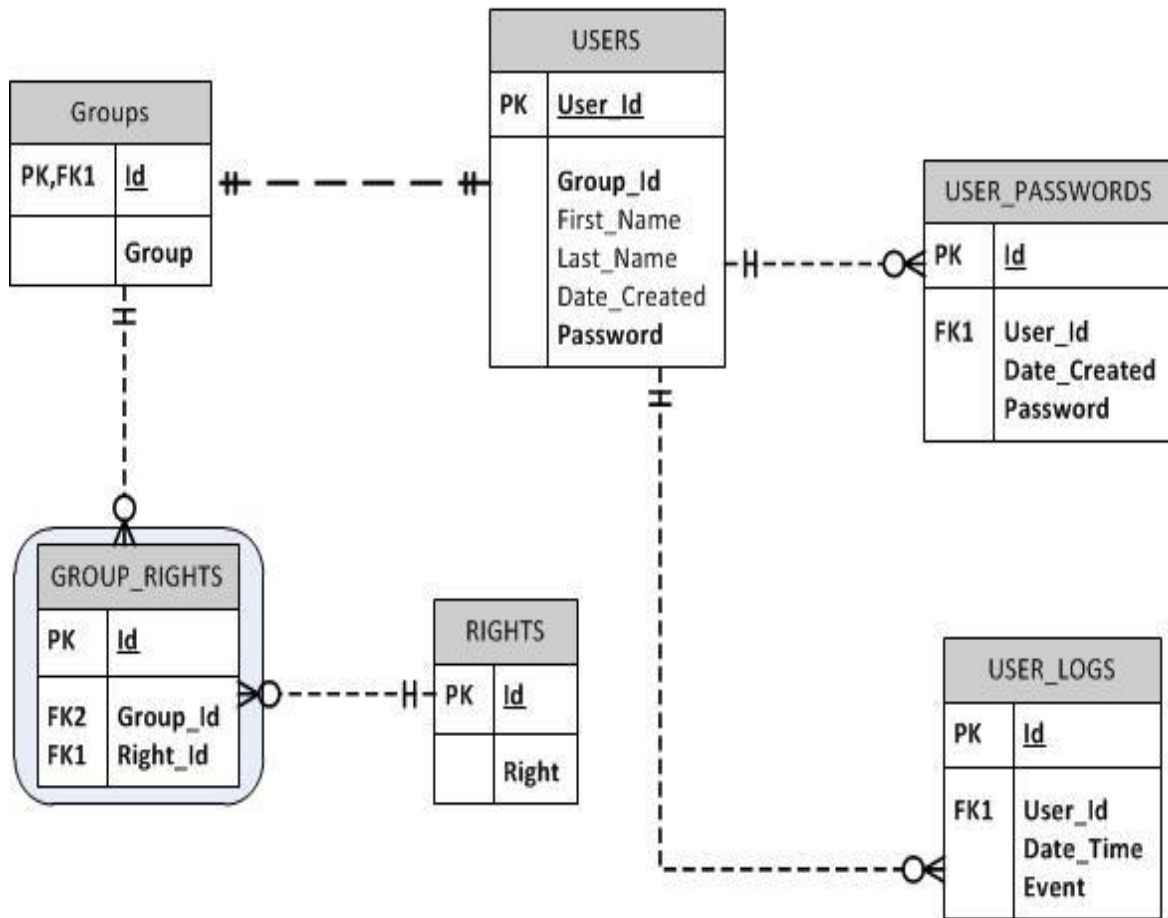


Figure 15:-E-R diagram for Groups and Rights.

The above ER diagram shows the administrator control for associate in different types of right that has to be provided to the users for the Global working support.

5.4.2 E-R DIAGRAM FOR DOCUMENT CATEGORIES AND MANAGEMENT

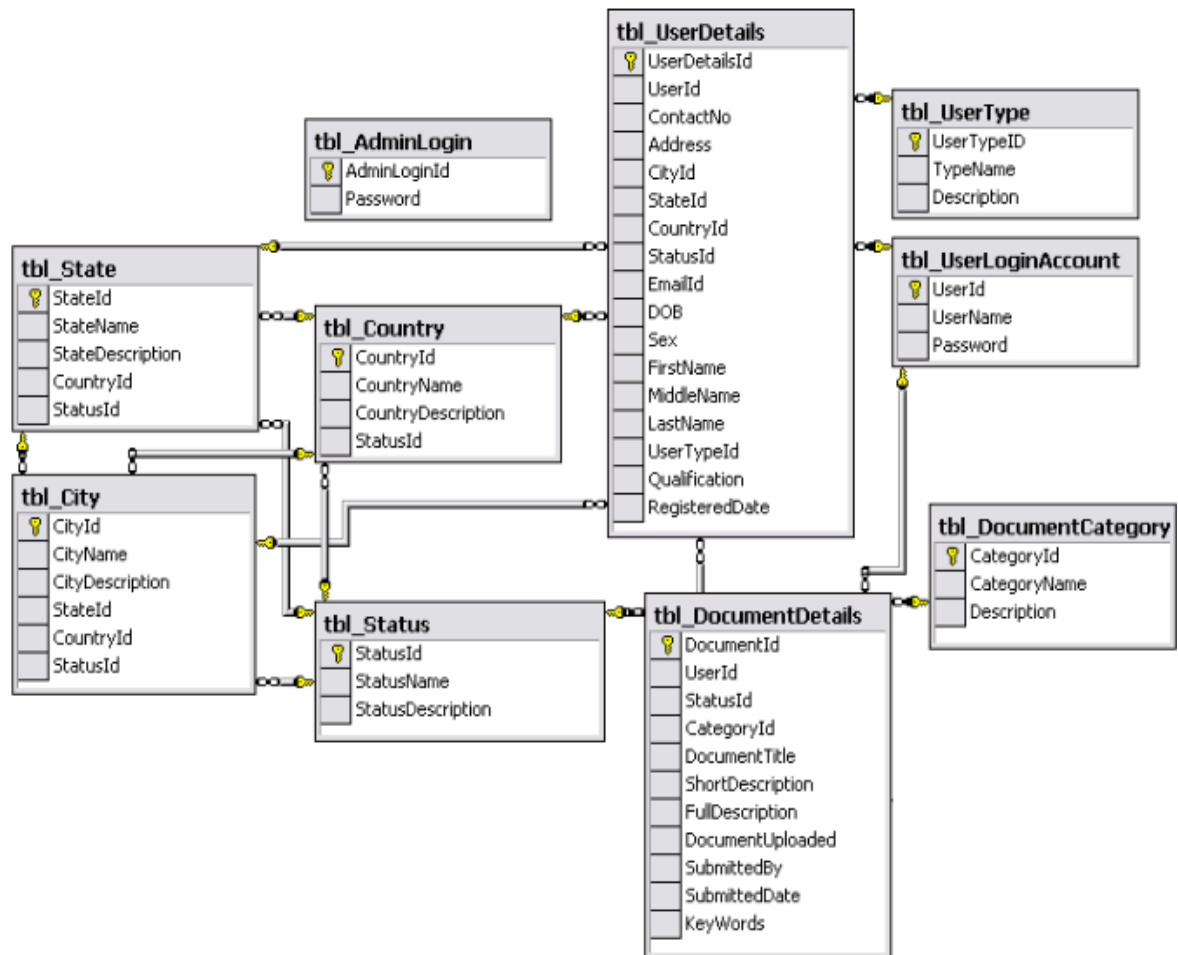


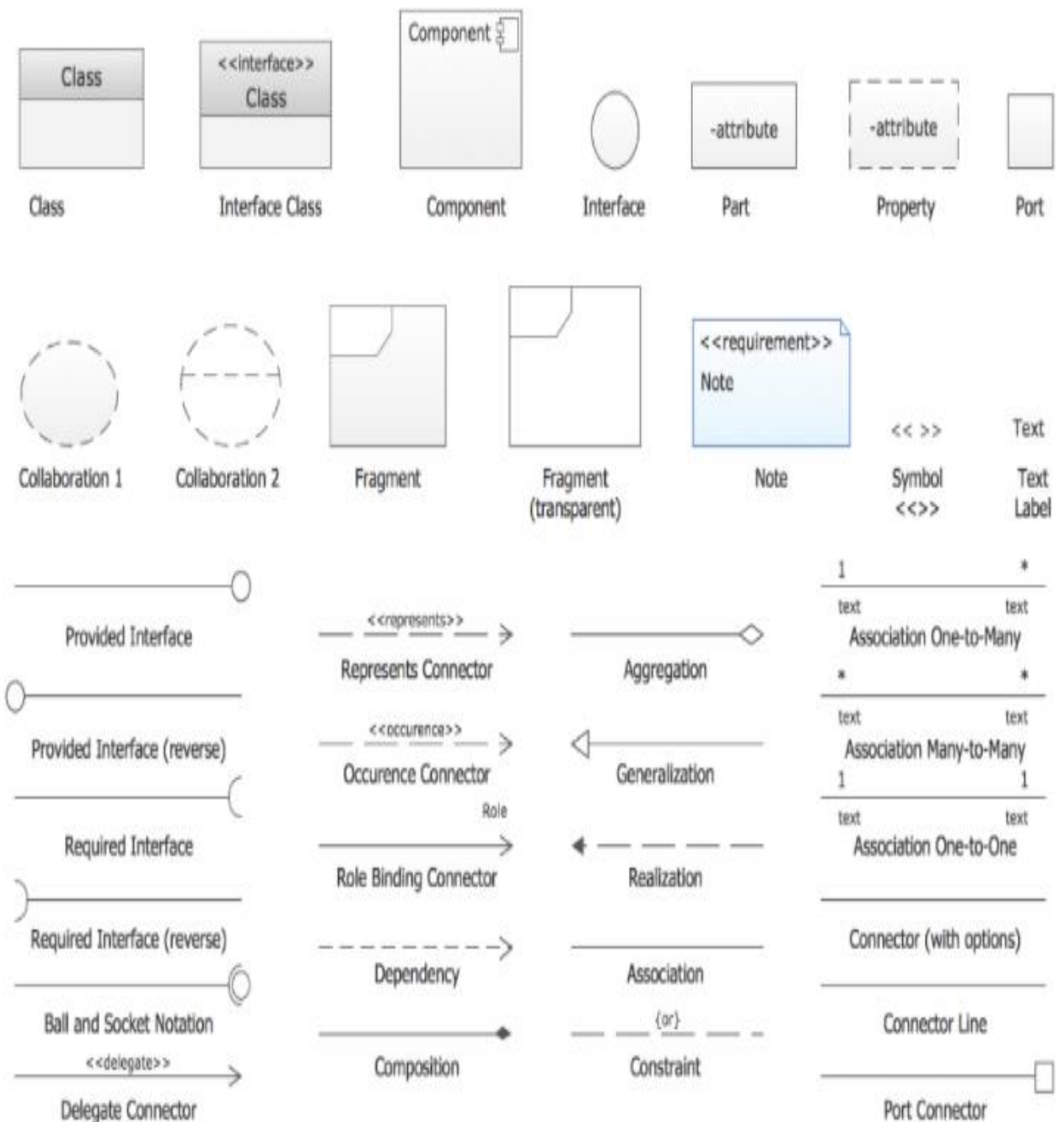
Figure 16:-E-R diagram for Document Categories and Management.

Above ER diagram shows different references of the documents and the categories where a detailed cloud repository has to be organized.

5.5 CLASS DIAGRAM

Class diagram is a reference where the structure is described in the format of classes, attributes and operations in the relationships.

CLASS DIAGRAM NOTATIONS



5.5.1 CLASS DIAGRAM FOR ASPECT FABRICATION BOARD WITH REUSABLE IDENTITIES APPLICATION

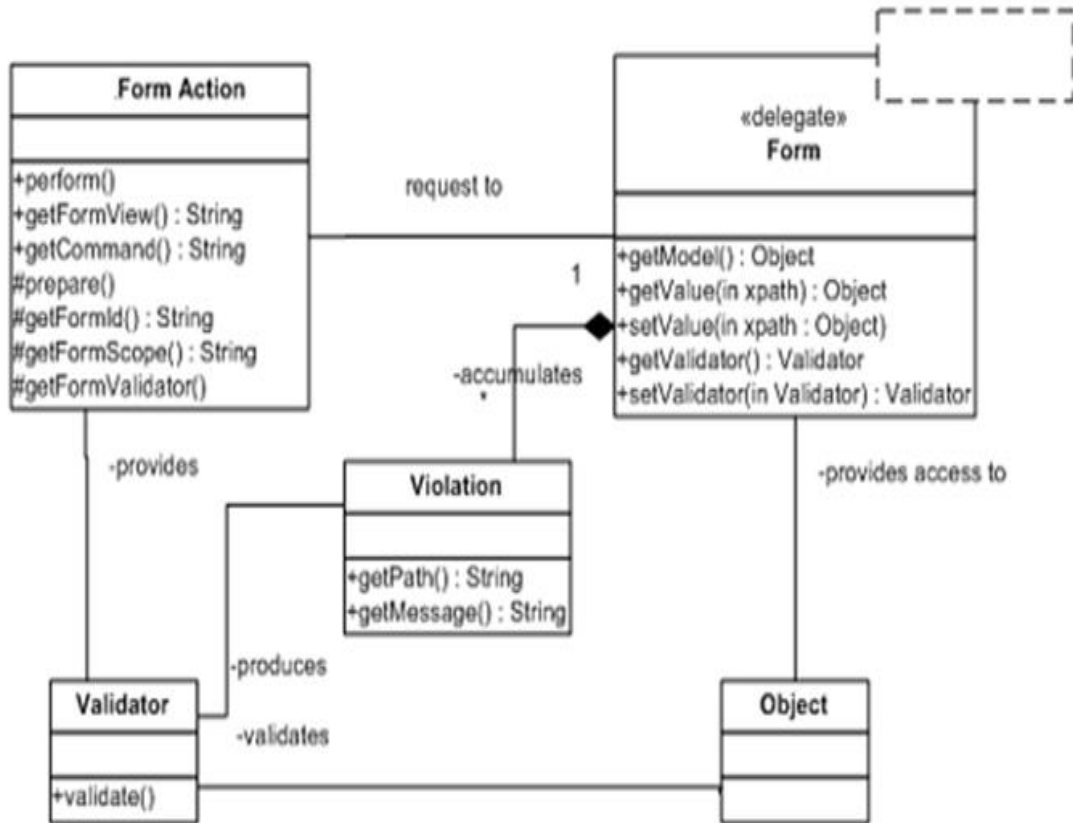


Figure 17:- Class diagram for component utilization.

Above Class diagram shows that how a particular component will be utilized and how the validations in terms of the actions will be undertaken.

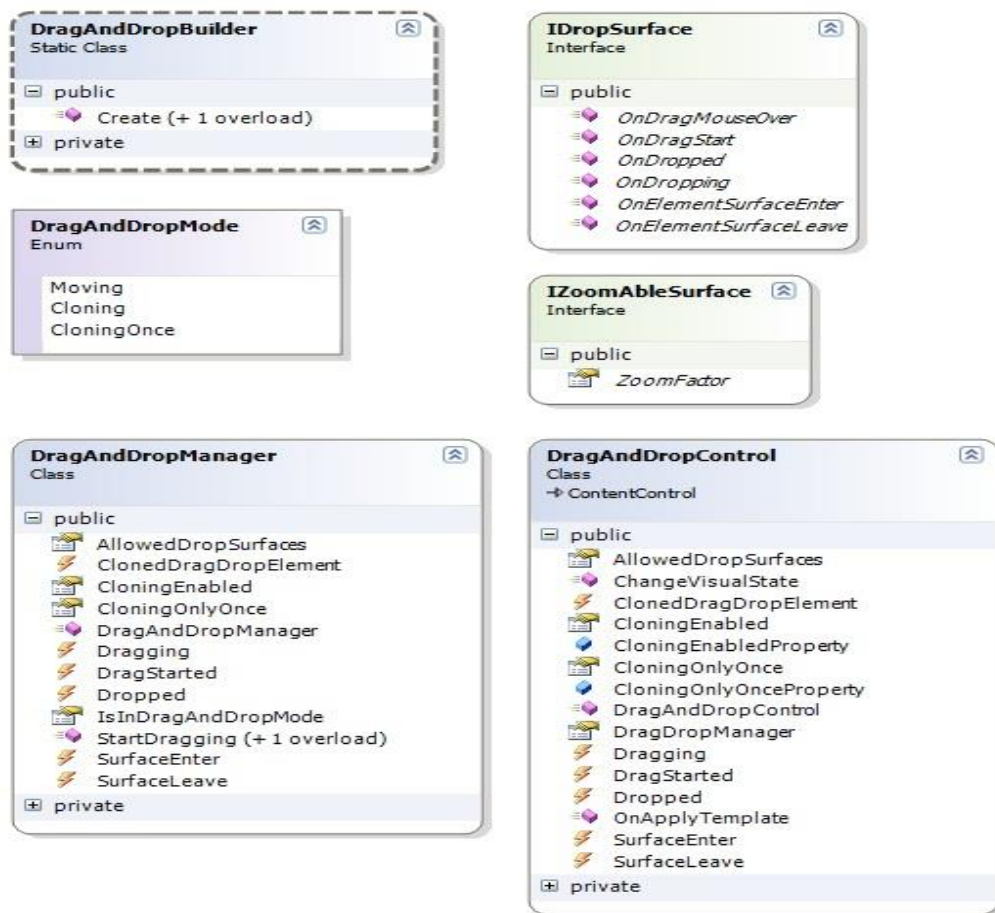


Figure 18:-Class diagram for components providing different categories.

Different types of components that are provided in different types of categories in the system is being associated for example that how the drag and drop control will be manage for how different types of customization in terms of different modes will be supported.

CHAPTER 6

IMPLEMENTATION

6.1 SCREENSHOTS

Login Page

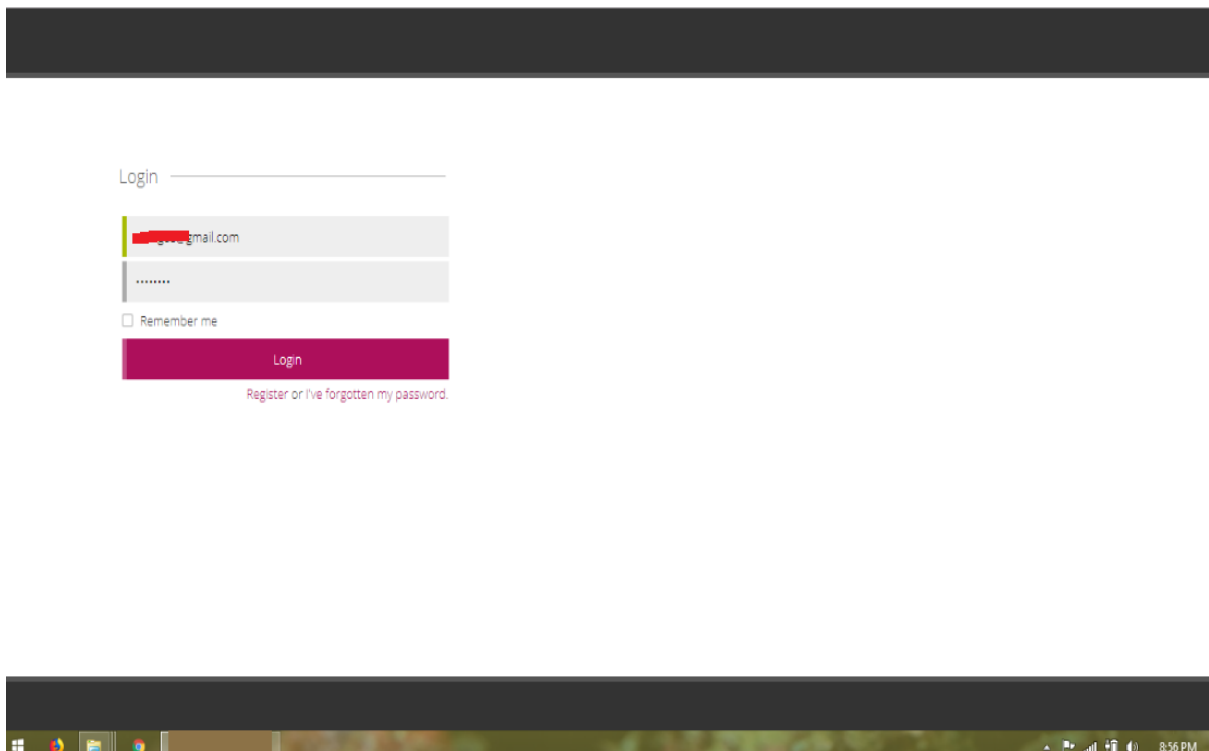
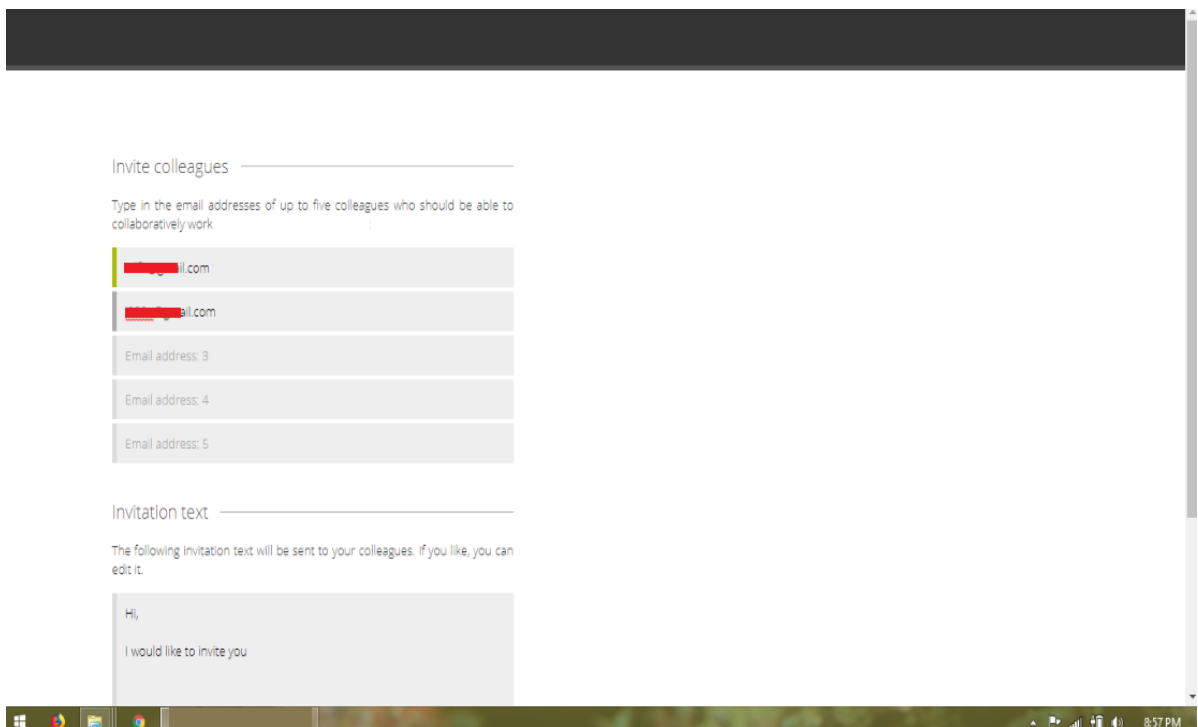


Figure 20:-Login page for Admin.

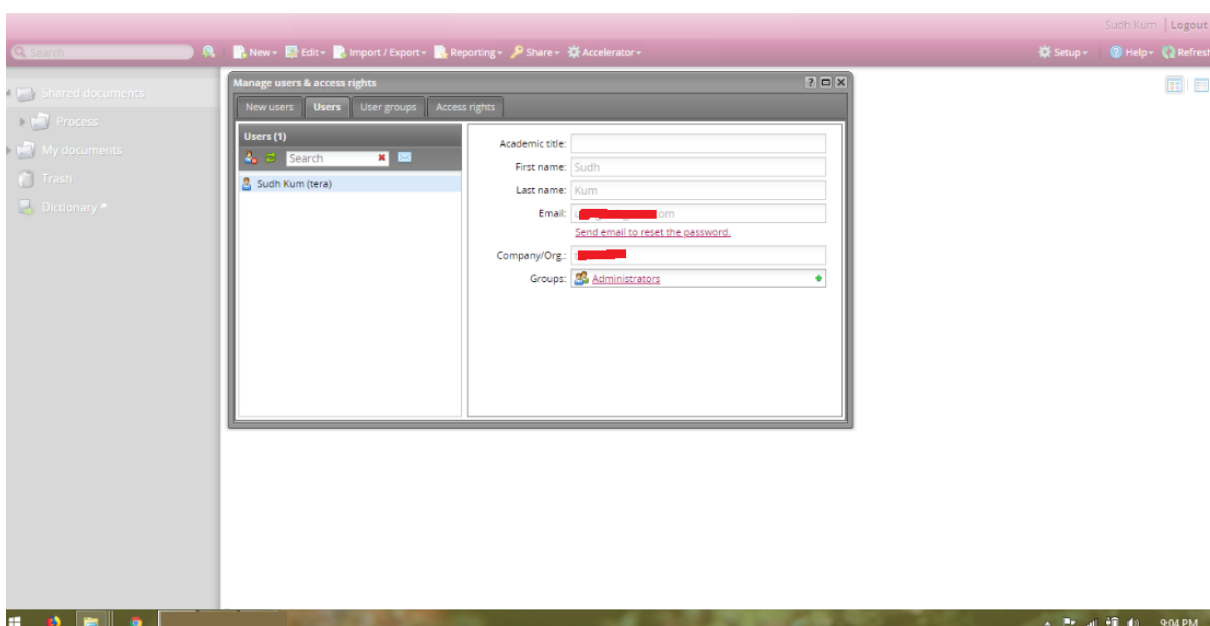
Users to be added for working



The screenshot shows a web interface for adding users. It features a section titled "Invite colleagues" with a text input field and a description: "Type in the email addresses of up to five colleagues who should be able to collaboratively work". Below this are five input fields, each containing a redacted email address. A second section titled "Invitation text" has a text input field containing the text: "Hi, I would like to invite you". The interface is displayed on a Windows desktop with a taskbar at the bottom.

Figure 21:-Users are added.

Defining Roles and Groups



The screenshot shows a user management interface. A window titled "Manage users & access rights" is open, displaying a list of users on the left and a form for editing a user on the right. The user list shows "Sudh Kum (tera)". The form fields include: "Academic title", "First name: Sudh", "Last name: Kum", "Email: [redacted]@.com" with a link "Send email to reset the password.", "Company/Org.: [redacted]", and "Groups: Administrators". The interface is displayed on a Windows desktop with a taskbar at the bottom.

Figure 22:-Defining Roles and Groups for users.

Document and directory management

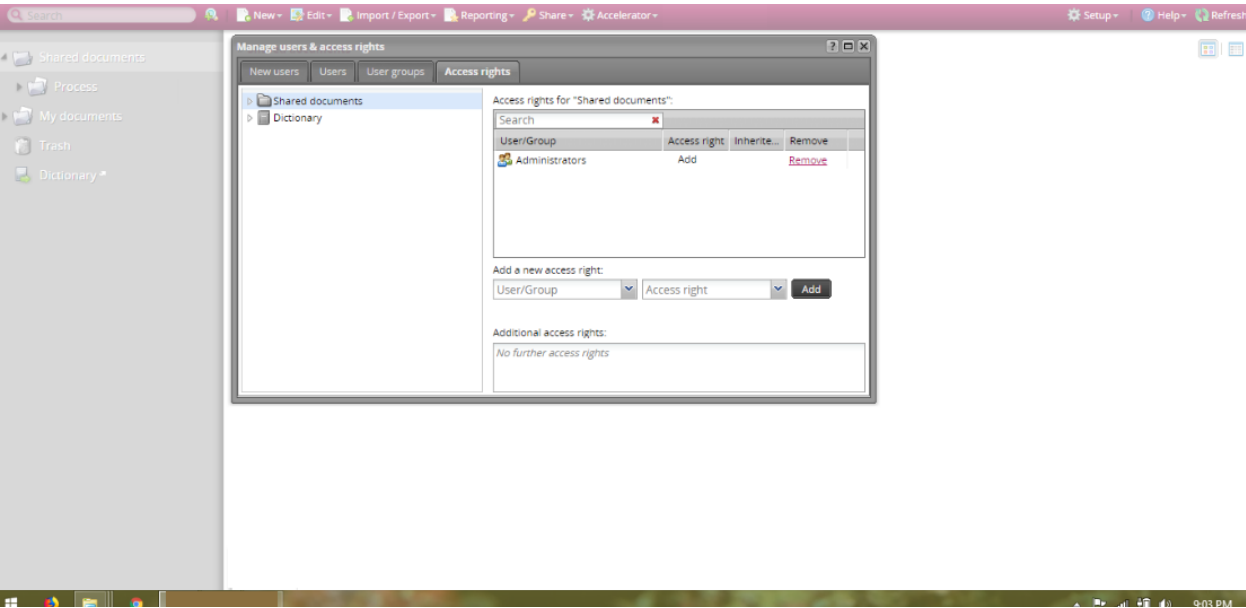


Figure 23:-Document and directory management.

Settings and document inclusions

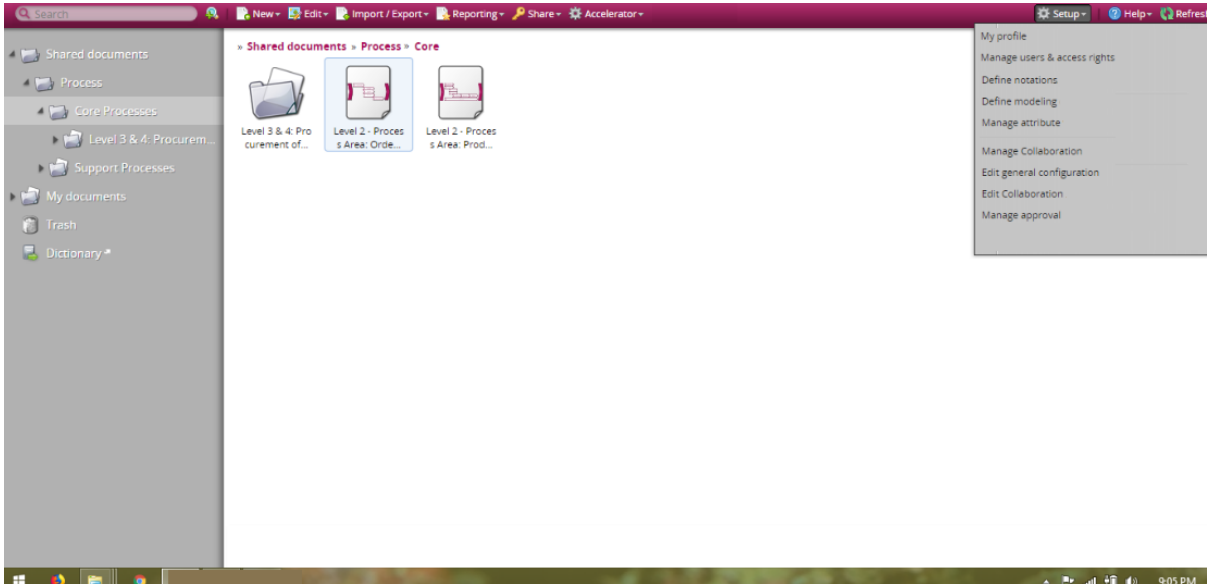


Figure 24:-Settings and document inclusions.

Folder and modelling reference selections

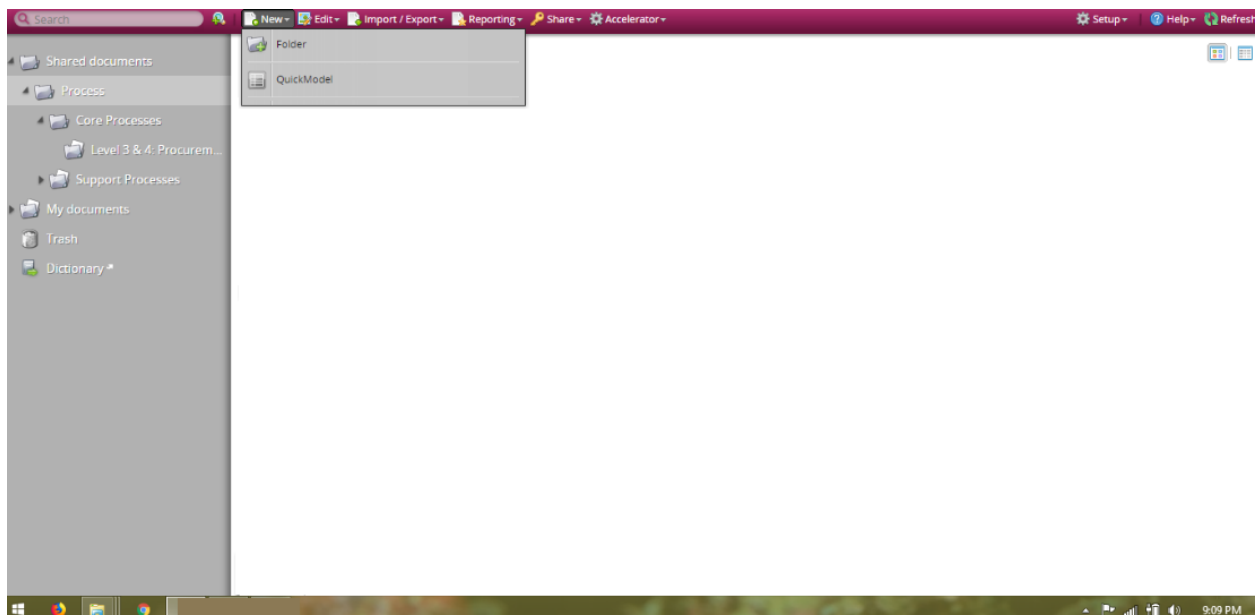


Figure 25:-Folder and modelling reference selections.

Design page is shown with components

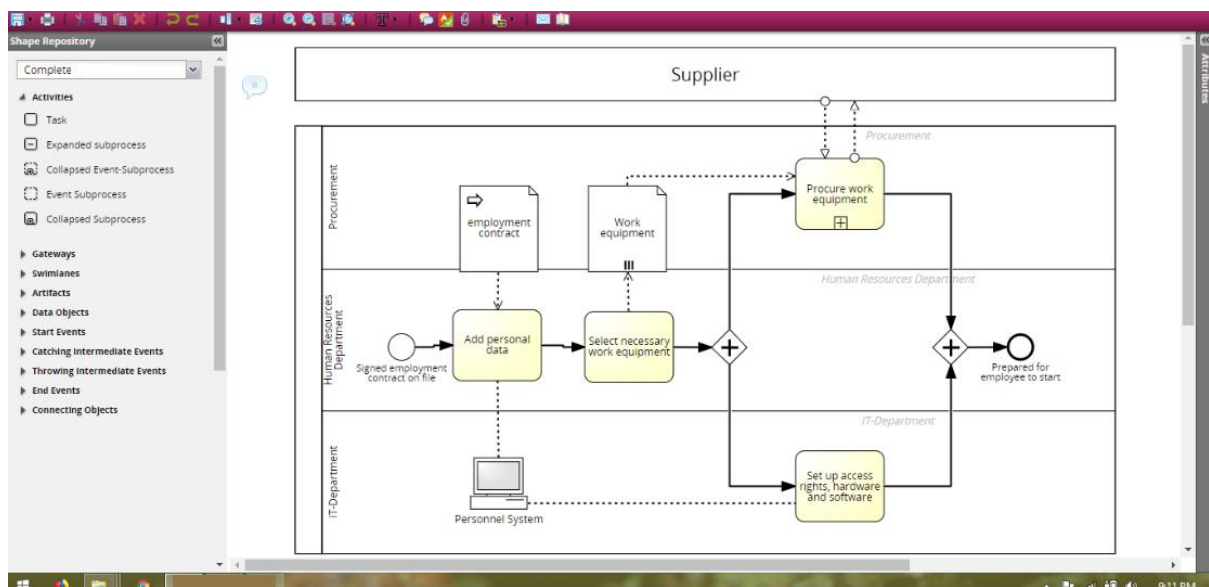


Figure 26:-Design page is shown with components.

Automation and Simulation

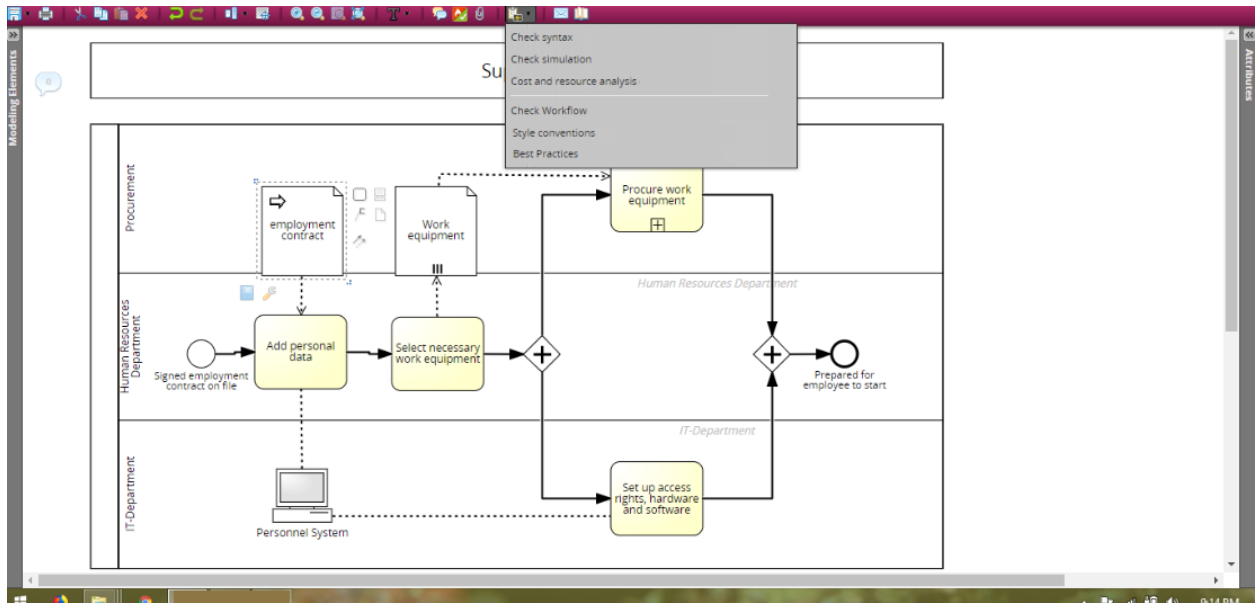


Figure 27:- Automation and Simulation.

Auto reports and calculations

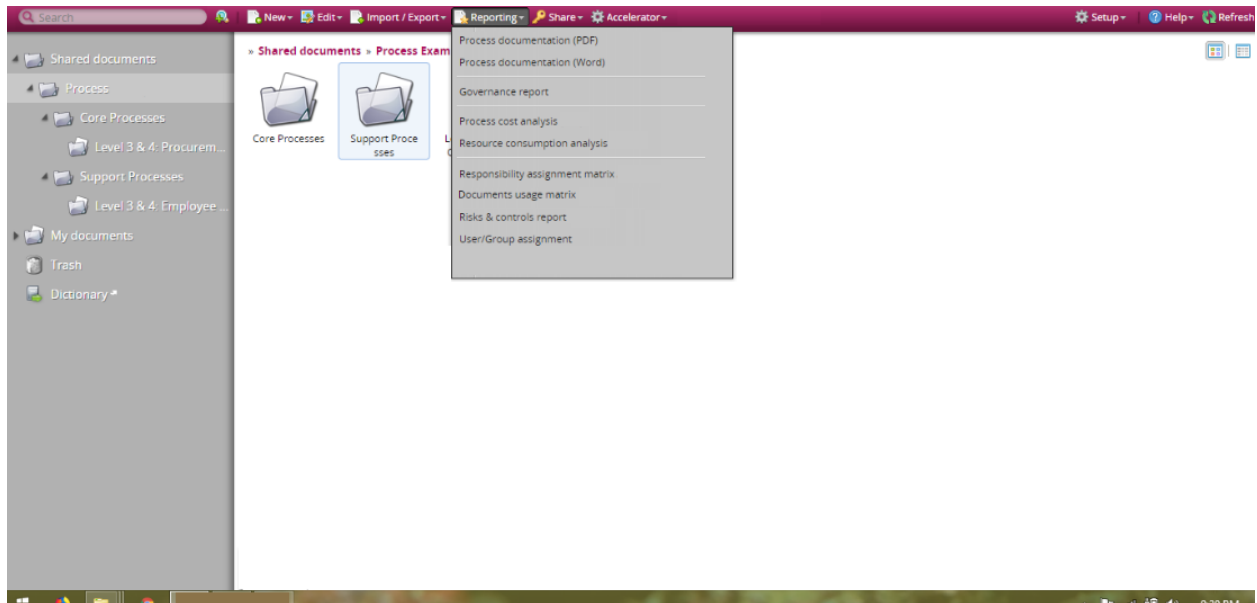


Figure 28:- Auto reports and calculations.

Document converted

The screenshot shows a PDF document with the following metadata:

- Diagram Type: Business Process
- Path: Shared documents
- Author: Sudh Kum
- Revision Number: 1
- Last modified: Apr 11, 2020
- Diagram Link: https://id-c[redacted]

1.1 Diagram

The diagram is a swimlane process flow for a 'Supplier'. It is divided into three swimlanes: 'Personnel', 'HRM & Organization', and 'IT Equipment'.
- In the 'Personnel' swimlane, there is an 'employment contract' document icon.
- In the 'HRM & Organization' swimlane, the process starts with 'Signal employment contract order', followed by 'Add personnel data', 'Select request work equipment', and 'Prepare for equipment to start'.
- In the 'IT Equipment' swimlane, there is a 'Personal System' icon and a task 'Set up access rights, hardware and software'.
- A 'Supplier' swimlane at the top contains 'Work equipments' and 'Purchase work equipment' tasks.
- Arrows indicate the flow of information and tasks between these swimlanes, including a decision diamond and a merge diamond.

1.2 Description

Figure 29:-Document converted.

Cloud repository

The screenshot shows a cloud repository interface with a sidebar on the left and a main content area. The sidebar contains the following navigation items:

- Home
- Search
- Organizational Units
 - Roles
 - Departments
 - External participants
- Documents
- IT Systems
- Risks
- Controls

The main content area is titled 'Documents' and displays a list of document templates:

- employment contract
- Employment contract template
- Order request template
- Work equipment

Figure 30:- Cloud repository.

CHAPTER 7

SOFTWARE TESTING

Software testing is elaborated form of checking all types of options that are included within the system and it has to be done before the system is being provided to the users. Testing will be based on targeting the differences in such a way that all the client requirements are properly arranged and fulfilled. All sides of requirements will be associated and it is needed that the concepts should be clear so that each conceptualization can be properly represent his to the clients in the real time working. The software testing will be important to get the acknowledgement of work processes in a variation.

All types of software testing mechanism you will be implied by selecting the right process required and this will be done with the help of proper discretion and variations of working. Proper co-ordination is required so that understanding can be achieved for the processing that has to be acknowledged. Software testing will be also done to have proper primary labelling of the activities which will be even documented for more understanding.

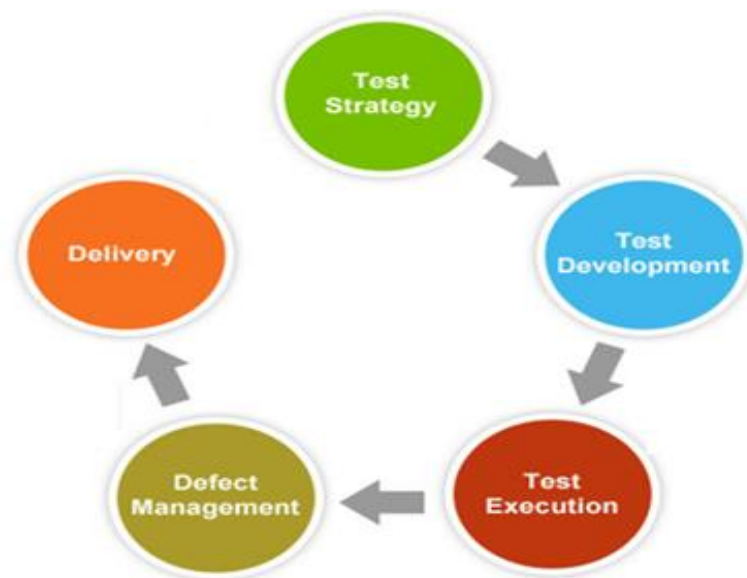


Figure 16: - shows testing reference.

Unit testing

Unit Relations are best to get the references on individual scale so we are including the unit testing which will be referred in such a way that we will be taking each consideration and we will be testing it in different scenarios after which it will be even document.

The Data integrity option that is important to get the reference is also associated in the unit test and this will be done by checking that each data reference can be individually organized by the administrate for detailed references of security.

The components that are provided will be also check as we have to get the reference for different types of modifications rules and properties that will be included.

The modification types and the simulation references are also required to be checked and it is required that each relation works according or we can say that each reference should be substituted with proper reference add at the time of design.

Multiple users will be associated and we have to check that they can have the proper accessibility control and even the sharing platforms and we check for the accuracy and security.

White box testing

This testing is established by the users in terms of checking the codes that are written individually or we can say that the developers and the tester will check it and every code of the system to get the reference of work.

Proper knowledge is required to conduct the white box testing as it will be done internally and each reference is required to be checked by the associated users taking the charge.

Test Cases

Series	Test-cases	Test-Input provided	Results	Actual -Result	Test Status	Severity
1	Admin login	Added details	Reference frame access	Able to customize all operational provisions	Pass	Critical
2	Operations	Frame selection	Multi option for the design shown	Reference pages added and operations performed	Pass	Critical
3	elements	Selective	Options for the working element selection provided	Reference elements added	Pass	Critical
4	Elements regulations	Selective	Auto window for the perception provided	Different implementation seen	Pass	Critical
5	Simulate	Conversion selection is to be maid	Simulation added	Generated	Pass	Critical
6	Share	Credential based	Required platforms added	Shared operations added	Pass	Critical
7	Access data security	Credential based	Reference added	Reference acknowledge	Pass	Critical

8	Custom frames	Selections	Options based redirections	Reference added	Pass	Critical
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CHAPTER 8

CONCLUSION

We acknowledge that multiple comfortable integration and intelligence based platform pages are provided within the system which can be used for multiple references of design and simulation activities which are needed to deal with different types of critical projects. When we have used the system for multiple types of critical projections is found that each projection that is provided is in the basis of coordinated working and each reference that is needed for prospective work is also provided within the selected page. As the institutional working requires a proper process workflow understanding in terms of detailing the system and designing it all reference is elaborated. The system helps the organizations to appropriate the work in more understandable way by acknowledging multiple provisions which is very much helpful and Associate the work with detailed communications and reference.

The system is well equipped with all types of project variations that are required to be discussed and which is required to be optimized. The system is utilized by us in multiple variations at the same time by including different types of users and by selecting different types of task and process and we found that each type of task can be performed with substantial flexibility.

CHAPTER 9

FUTURE ENHANCEMENT

Future enhancement are subject to modifications which is required in the future by the associated clients because as we know that no requirements will arise and as the services provided it has to be acknowledged and accompanied within the system. Future enhancement is more options that have to be provided based on proper reference and understanding.

Some of the future enhancement perspective that can be added is as following.

The integration of more platforms can be provided as it can be a substantial requirement of the client to get more acknowledged working.

In the future we can give more references of communication and interactions which are important with substitution recording of the work.

We can add more notification system an information system which can be fetched from different platform.

CHAPTER 10

BIBLIOGRAPHY

- "The Arrival of Java 14!" Oracle. March 17, 2020. Retrieved March 17, 2020.
- "Bin stock, Andrew (May 20, 2015)."Java's 20 Years of Innovation". March 18, 2016.

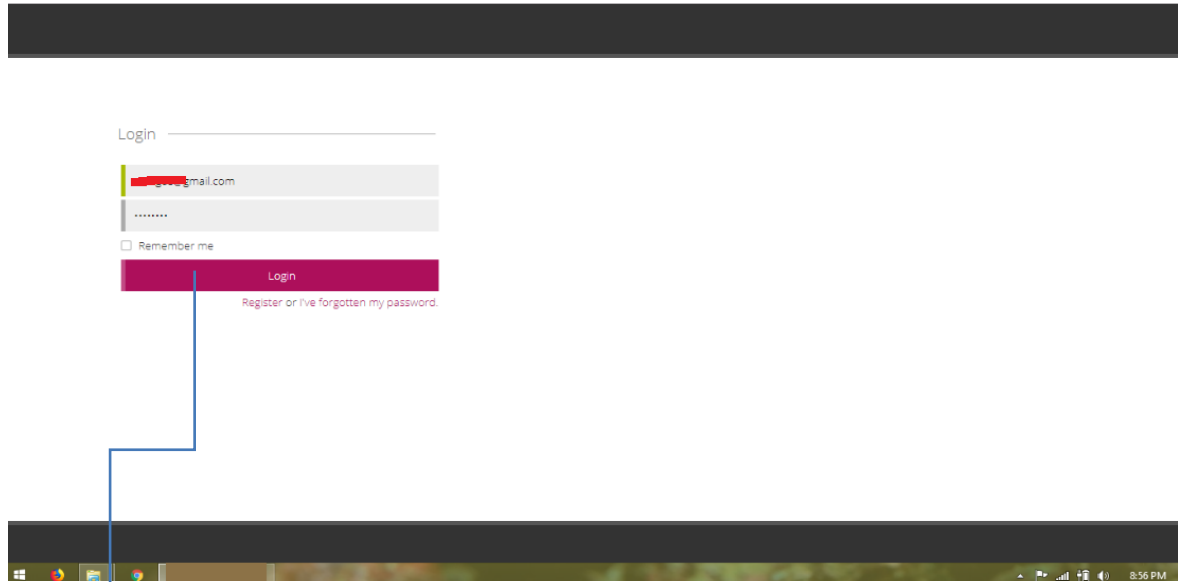
Web referrals-

- www.wikipedia.com
- www.scribd.com
- www.microsoft.com
- www.google.com

CHAPTER 11

USER MANUAL

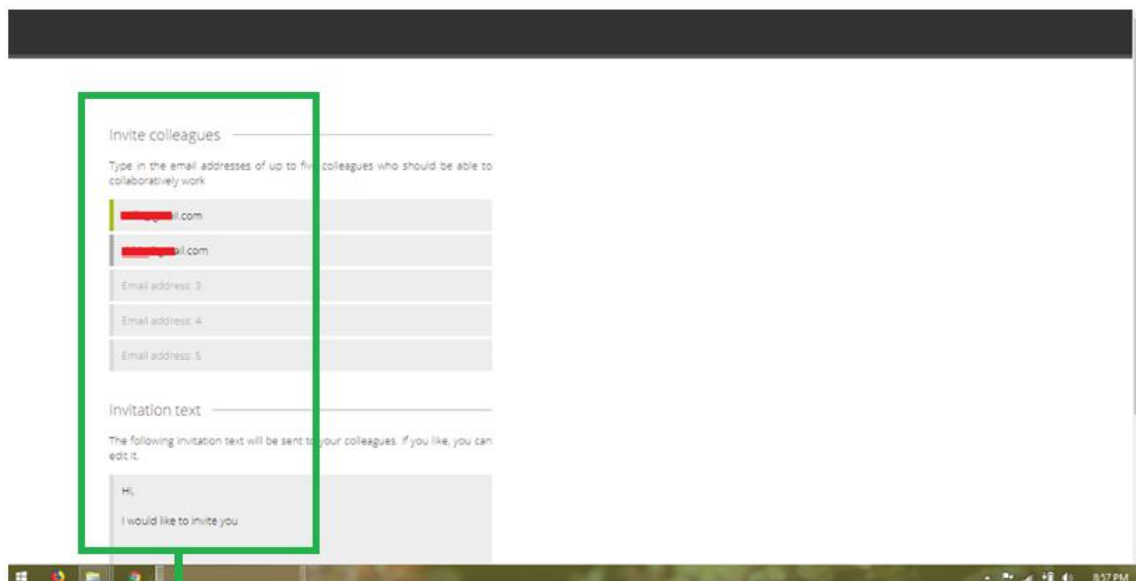
1. Login Page



Login page

Figure 31:- Admin login page.

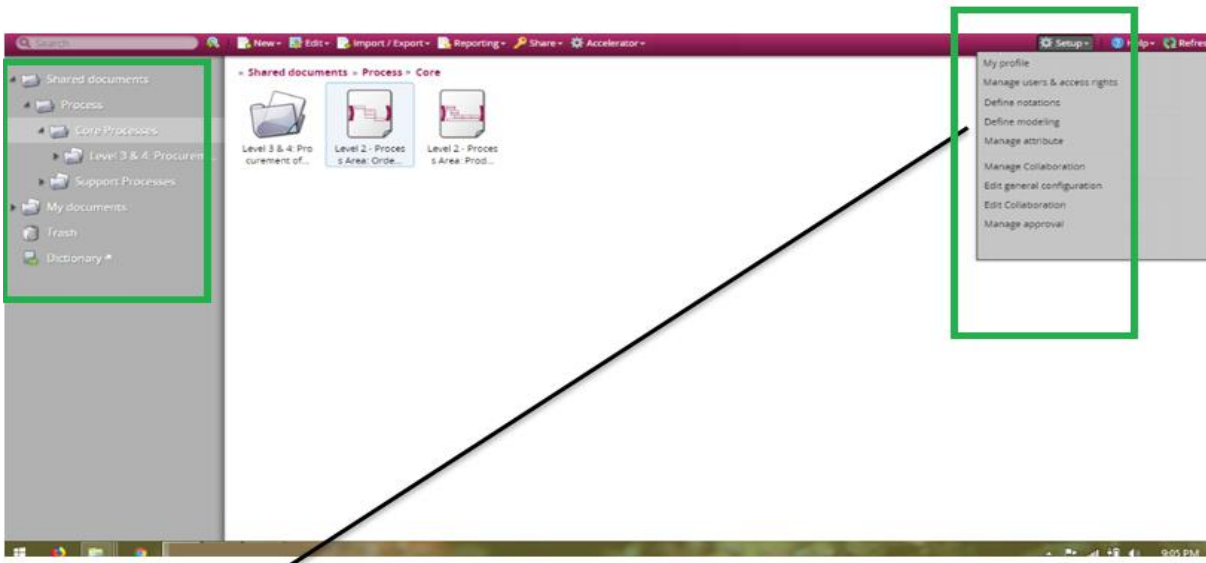
2. User to be added for working



Users to be added for working

Figure 32:- Users to be added for working.

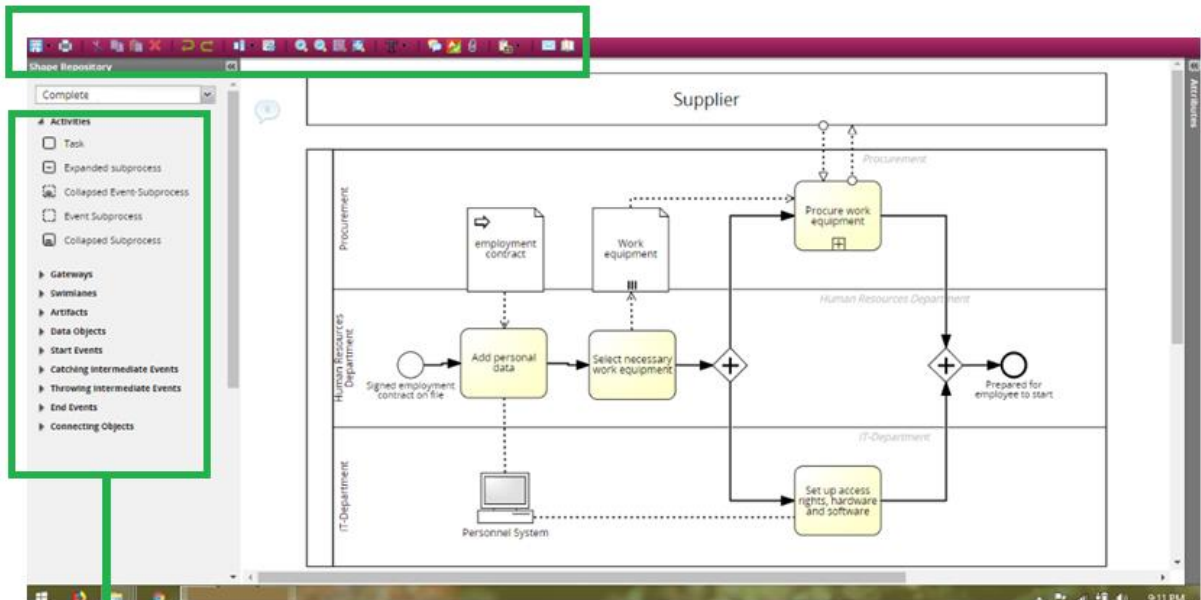
3. Settings and document inclusion



Settings and document inclusions

Figure 33:-Settings and document inclusions.

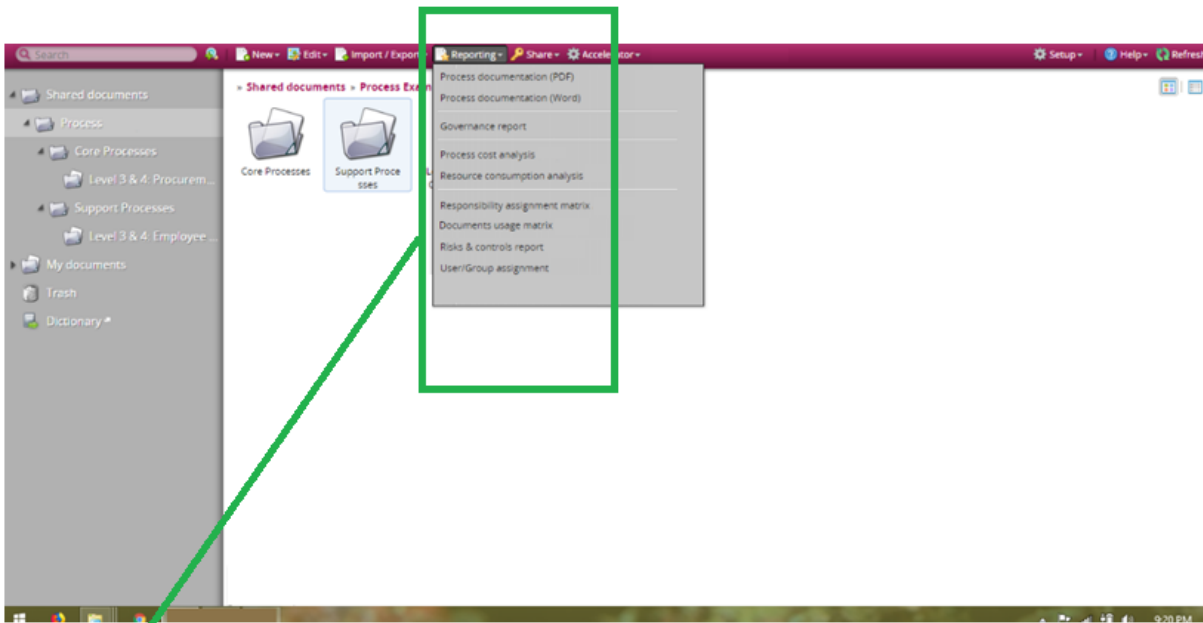
4. Design page is shown with components



Design page is shown with components

Figure 33:-Design page is shown.

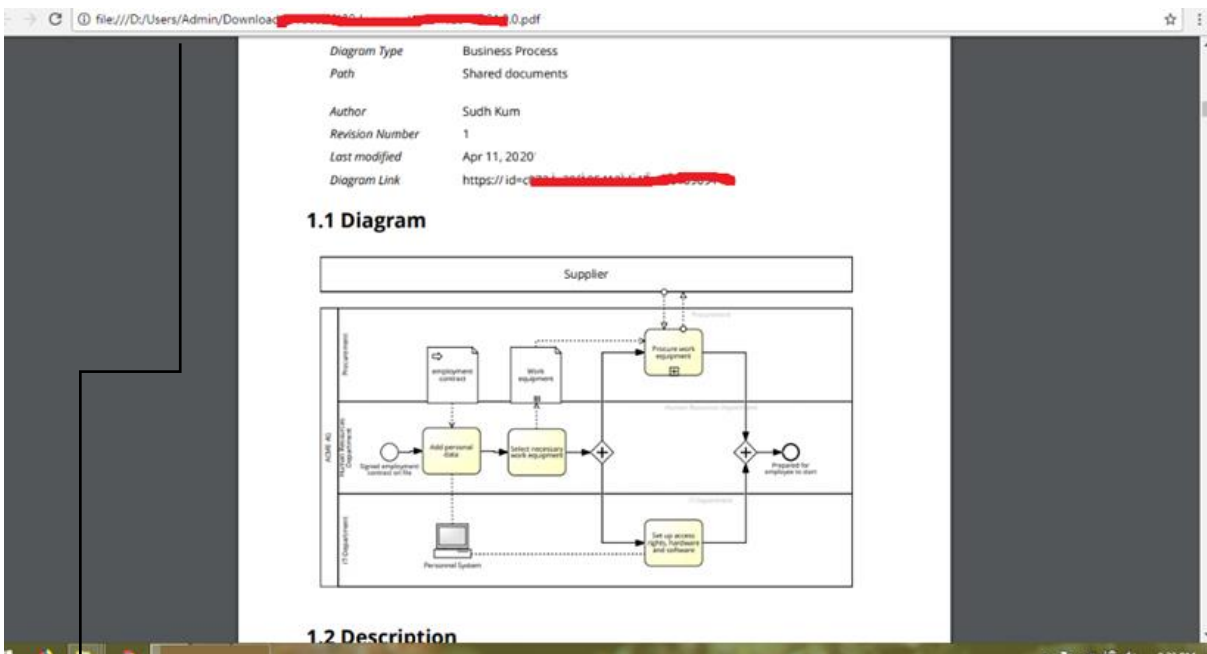
5. Auto reports and calculation



Auto reports and calculations

Figure 34:- Auto reports and calculations.

6. Document converted



Document converted

Figure 35:- Document converted.

