

A project report on
Intelligent Component Based Articulation
with Connect and Export

Submitted in partial fulfillment of the requirement
For the award of the degree
MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By
PRAVEEN KUMAR N
1CR18MCA88



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

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

CMR INSTITUTE OF TECHNOLOGY
Department of Master of Computer Applications
Bangalore - 560 037



CERTIFICATE

This is to certify that the project work entitled

**Intelligent Component Based Articulation
with Connect and Export**

*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 bonafide
work carried out by*

PRAVEEN KUMAR N
1CR18MCA88
during the academic year 2019-2020.

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PRINCIPAL, CMRIT

External Viva

Name of the Examiners

- 1.
- 2.

Signature with date



CERTIFICATE

This is to certify that the project titled "Intelligent component based articulation with connect and export" is submitted to aero software's in fulfillment of the requirement for the final semester degree of MCA from CMR institute of technology, Bangalore. The project is a bona fide record at work carried out by Mr. Praveen Kumar N (1CR18MCA88) under the supervision and guidance of Mr. Aryan, IT Project Head, aero software's, Bangalore between the periods from 23/12/2019 to 27/5/2020.

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

Best Regards,

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DECLARATION

I, **Praveen Kumar N** , student of 6th MCA, **CMR INSTITUTE OF TECHNOLOGY**, bearing the USN **1CR18MCA88**, hereby declare that the project entitled “**Intelligent Component Based Articulation With Connect And Export**” has been carried out by me under the supervision of External Guide **Mr. Aryan**, Technical Manager, and Internal Guide **Dr. Anu Manchanda**, Associate Professor, Dept of Master of Computer Applications and submitted in the partial fulfilment 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

PRAVEEN KUMAR N

Date:

(1CR18MCA88)

ACKNOWLEDGEMENT

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PRAVEEN KUMAR N
(1CR18MCA88)

Project Report

ORIGINALITY REPORT

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S.NO.	Contents	Page No.
1.	Introduction	1
	1.1 Project Description	1
	1.2 Company Profile	3
2.	Literature Survey	5
	2.1 Existing System and Proposed System	5
	2.2 Feasibility Study	7
	2.3 Tools and Technologies Used	9
	2.4 Hardware and Software Requirements	15
3.	Software Requirement Specification	16
	3.1 Functional Requirements	17
	3.2 Non- Functional Requirements	20
4.	System Design	22
	4.1 System Perspective	22
	4.2 Context Diagram	23
	4.2.1 Data flow diagram of admin	24
	4.2.2 Data flow diagram of user	26
	4.3 Architecture Diagram	28
5.	Detailed Design	29
	5.1 Class Diagram	29
	5.2 Use Case Diagrams	31
	5.2.2 Use Case Diagram for multi cipher technique	32
	5.3 UML description	33

	5.2 Sequence Diagrams	34
	5.2.1 Sequence Diagram for admin	35
	5.2.2 Sequence Diagram for user	35
	5.3 Activity Diagrams	37
	5.3.1 Activity Diagram for admin	37

	5.3.2 Activity Diagram for user	38
	5.4 ER Diagrams	39
	5.4.2 ER Diagram for Encryption	40
6.	Implementation	41
	6.1 Screen Shots	41
7.	Software Testing	54
8.	Conclusion	58
9.	Future Enhancements	59
10.	Bibliography	60
11.	User Manual	61

Chapter 1

Introduction

1.1 PROJECT DISCRPTION

Quantitative phenomena understanding is the main requirement for any type of complicated process which has to be undertaken in regards to bigger projects so the system is reference in such a way that all types of operation phenomena can be outline and managed from Central platform. The system is being designed to provide multiple types of integrated working which is necessary to formulate the knowledge in integrated way with multiple incorporated references that are provided within the system. The system is being with all types of collaborated acknowledgements as when the knowledge design will be preceded it will include multiple theme members those are the experts of the situation that has to be organized. All the reference are provided with all types of inbuilt consolidated components also so that the use of can find it easier to utilize the references provided for their process mechanism.

Multiple types of mechanism can be implemented at the same time which makes it very much flexible for the company to understand multiple types of project at the same time and references can we optimize. The system provides the visualization with the help of hyperbolic frame which will provide a better understanding of the complicated process technique that is require for the final implementation of the references with the project in relation to which the companies using the system. The systematic variations that are required for different clients and for different projects are also associated as we know that different types of project requirements will be different and even different types of clients will be having different types of requirements.

The system is also associated with multiple options which can be used to setup the phenomena visualization perception built ups. Associated in such a way that the consideration can be self-elected by selecting the particular type of option from the functionality provided. All types of integration knowledge that is required to be Incorporated from the references provided is also provided with all types off compatibility as we know that it is required that whenever processes been design it should represent the correct in detailed information provisions. All types of references that are required for the information analysis and for the references of integration are provided within the system which can be incorporated in a synchronized manner.

The synchronization of the information is very much important as the planned perceptions are dependent on to multiple components and identity that will be referenced for the final drafting. The representations are also knowledge with multiple types of relationships that are required to be provided for different types of components and nodes that are added within the system. All types

of notes that are included will be clicked at can be customized with different types of Representation you options and integration options. Representation will be also acknowledge with different types of guided references that have provided in the form of Windows which can be automatically viewed when a particular component is being selected.

The windows will again provide various types of references of customization so that each type of knowledge that is required to be undertaken can be substituted in accordance. Whenever representation will be prepared it will be done with the help of different types of working hierarchy that will be established as for a particular instance of the activity different types of the presentations are required to be shown. Each perception can be elaborated with multiple variations and differences so that placement of understanding and achieving that offences can be achieved. The system also provides the conditional themes which can be reused and even multiple types of templates are included so that all types of work equality can be achieved.

Consolidated digitalization which is provided within the system will help the companies to achieve the type of information integration that is required so a particular window will be utilized for different types of current and Information Design which will be designed on the same screen and can be integrated to a particular node. The references of the Representation at the end will be also provided and it is provided in such a way that all types of considerations can be achieved for example if a related platform is required for the publication it can be done or if any type of Representation customization is required it can be also done.

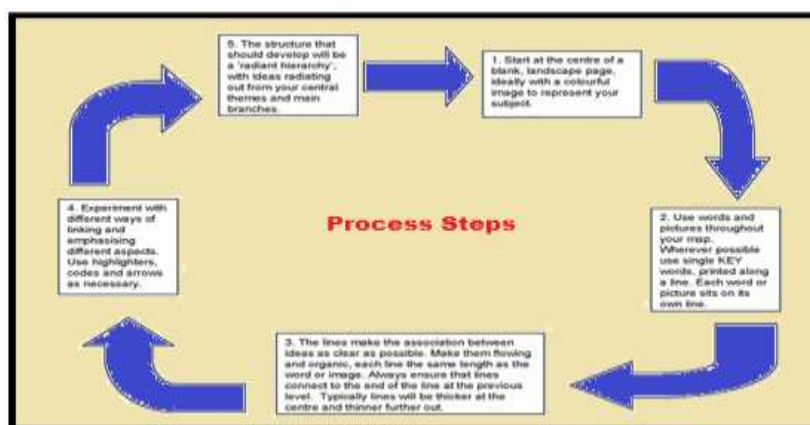


Figure 1 The above diagram shows the various process steps to be referenced

Multiple phenomena can be understood at the same time by incorporating different types of rules and by incorporating different types of experts which provides the companies and upper hand to use the system for multi provisions at the same time for the large projects thus saving the time. The important accomplishment in terms of the security of the data that is being planned for which is been generated is also considered within the system so that different types of considerable working acknowledgement can be achieved.

1.2 COMPANY PROFILE

Aero



Profile

Established in 2011 the company provides Global Services in terms of various custom built platforms and other professional software's. The framework that is required to be structured will experience various arranging and arrangements inquire about with significant insights so the references are required and it appropriately accomplished. The framework gives business work stages to different associations on the server space this which can be utilized for various exercises. The organization assists with augmenting and quickens the intensity of handling with the innovative incorporations and with astute plan references that will be given to the clients.

Numerous distributive utilities that are intended for various impression of working encourage the associations worldwide to discover their work appropriately regarding distinctive area. To give high conveyance administrations and to keep up the best possible commitment the organization is related with various assistance advancements at the maintenance and commitment exercises will be on the customary premise to get the required for refreshes so more refreshed renditions of working stages can be given.



Figure-2

Our Mission

Trust

Quality

Imagination, advancement and activity

Responsibility

A moral approach

Center Values

Services

Custom programming advancement

Facilitating administrations

Businesses

Counseling

Capacity administration

Board Association

Review

Chapter 2

Literature Survey

2.1 EXISTING SYSTEM PROPOSED SYSTEM

2.1.1 EXISTING SYSTEM

The reference visualizations of complicated task require multiple types of processing which involves different types of reference software's and users making it very much difficult for the organization as we have discussed multiple client. In the existing system the references that are required to be designed is very much time taken as decision making aspects and communication aspects are required please elaborate hits and the companies are facing lots of drawbacks in terms of doing that.

Some of the important problems that has been associated with the existing system is listed as following-

- ❖ Replicate information is very much difficult and requires multiple aspects of resources so in the existing system for replicating the real-time information is quite a difficult and various types of outdated provisions are utilized making it more complicated
- ❖ Concept design and digitalization with a centralized incorporation is not support it so various types of steps that are involved has to be done individually which means that understanding will take more time frame
- ❖ All types of relations that has to be associated with different types of components of the business identity is quite difficult as there is no mechanism of synchronized relation updating and acknowledgement when the perceptions are designed
- ❖ In more ways we have seen that document based provisions are included which is quite elaborated and even requires up reading for understanding and eventually making it hard for the company to associate the complex working provision
- ❖ Updating is also important problem that is faced by the organization has when the perceptions are designed the information incorporated with that has to be in real time so that when the reference view is undertaken it can be properly understood by the authority so as to provide approvals
- ❖ Multiple types of accessibility control has to be manually set up which again is a difficult job because so many teams and associates are required to be incorporated for the task perception design

- ❖ The navigation that are required in real-time in terms of collaboration and in terms of communication is also not supported in the existing system
- ❖ The components that are required for the representations are also required to be generated with different types of visualization and presentation tools and there is no mechanism of consolidated reference design which is quite difficult when the presentations are provided

2.1.2 PROPOSED SYSTEM

Proposed system is based on analysis of different types of phenomenon and for properly acknowledging the substantial analysis data in a view format. The system provides all types of centralized working so that synchronized working can be achieved with proper references. The propose system is defined while keeping all the problems of the existing scenario where multiple types of task illustrations is not possible. The proposed system is summarized in such a way that incorporated working can be sustained where multiple references of complications can be eliminated by providing consolidated workability.

Some of the important aspects of the proposed system is listed as following-

- ❖ The information replication that is required can be properly achieved with the help of the proposed system as all the references are provided for the illustrations. Complicated project related task information can be described with replication designs
- ❖ The digitalization and concept design will be provided with centralized workability which incorporates different types of stages of planning and view design making it flexible for the larger organizations to undertake different types of Concept proceeding
- ❖ The system provides proper relation design which is associated in such a way that all types of components that are utilized for the formation of the Representation design can be achieved. Components can be incorporated with the related relationships
- ❖ All the data that is achievable will be properly organized within the system as it is required that automatically the data should be properly established with all types of security features
- ❖ Updating is also provided in the proposed system so any type of reference which will be design will be associated in such a way that users can gain the real time perception which is help for the analytical reviews and understanding
- ❖ Various types of accessibility control can be achieved as the system will support multiple user in Corporation so that a consolidated user perception can be achieved with different references of task which will be allocated to them
- ❖ In the real time all the related workability can be navigated as multiple steps and stages are involved so the system provides the navigation facility
- ❖ The system also provides inbuilt components and provisions which will help the users to accommodate their working and process designing with more substantial flexibility

2.2 FEASIBILITY STUDY

Feasibility study is required to be acknowledged which will help the companies to understand that which type of requirements are required to be sustained for different references for example how the related technological perception will be maintained and what all software's are required in the same way the different types of economic consideration that has to be achieved will be discussed and even the reference of the operation requires to be maintained.

Technical feasibility

Operational feasibility

Economic feasibility

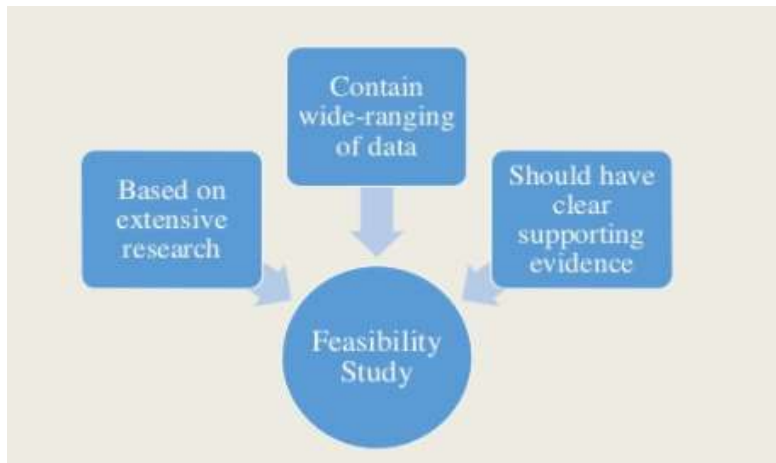


Figure-3

The above figure shows the feasibility study structure

2.2.1 Technical feasibility

The technological references that have to keep associated for providing the complete review mechanism will be checked by undertaking different types of requirement which has to be substantially integrated onto the platform

The reference of working that is required into multiple pages will be also checked as it is needed that each page has to be governed by different users having the accessibility rights

All types of technological proceedings which is needed to undertake the content designing will be also checked as the information is required to be designed and can be incorporated

The type of references that are required to be modified in terms of the components will be checked at any time the perfection is design it is needed that each component can be modified and even should be automatically updated

References of integrated real-time workability will be checked for the accuracy and for the references that have required if produced

2.2.2 Operational feasibility

Uses will be new for the review concept that is included so there should be understanding that how the review considerations are required to be designed for which incorporated training will be provided

All the documents associated with the features provided is also acknowledge by different type of document that will be incorporated so that correct process and procedures can be acknowledged

All types of escalation that will arise in the future will be also discussed and will be outlined for the reference of planning

All types of mechanism that are required for the real time help that is needed by the clients will be also associated with the help of of the team provided for the support

2.2.3 Economic

All types of economic consideration that are required to be associated is also acknowledged where the economic funding that is required for the design of the system will be properly planned and will knowledge in detail with statistics

All types of costs requirements will be discussed and have different stages requires the money flow will be planned

2.3 TOOLS AND TECHNOLOGY

Python



Python is an elevated level intelligent scripting language which is protesting focused can be deciphered in an appropriate arrangement as not very many linguistic directions must be thought of. The first is being an open source programming dialect, an enormous no. of clients take after and add to its improvement. Furthermore, the sensitive quality, adaptability, flexibility, and flexibility of refactoring code in Python revive the improvement system from the central model.

Each and every extraordinary sort of database likeness is given

It is adaptable in nature so tremendous observations can be fittingly handle

Python has different traits that choose it a trademark decision for prototyping. We don't need to gather before executing it and at the period of runtime it is readied

Various libraries with cross stage closeness is connected

MySQL

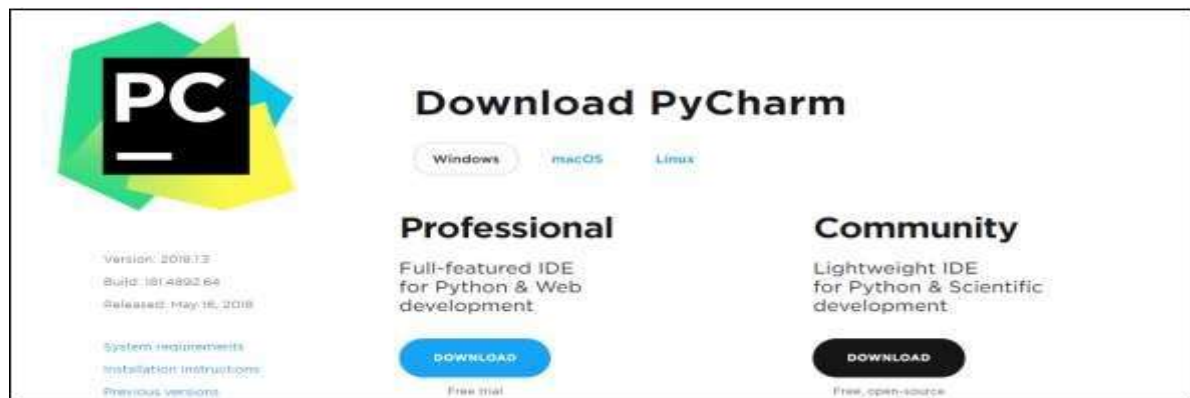
As we understand that consequent to making the set aside framework it is requested and taken care of in the database. In any case, MySQL executes set aside methodologies hardly exceptional which helps in growing the show of the applications.

MySQL Stored procedures are advantageous considering the way that when we create our set aside technique in SQL, we understand that it will continue running on each phase that MySQL continues running on, without obliging us to present an extra runtime-condition pack or set approvals for program execution in the working system.

Step 1

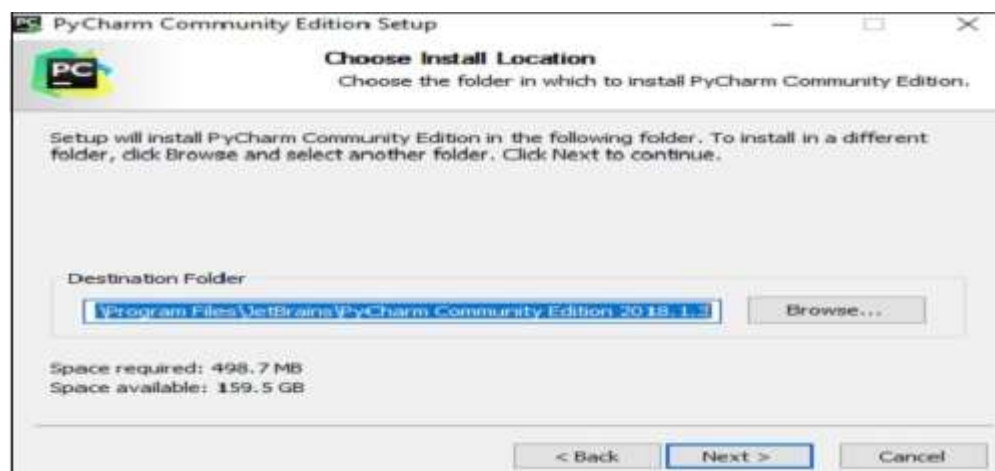
Official website of

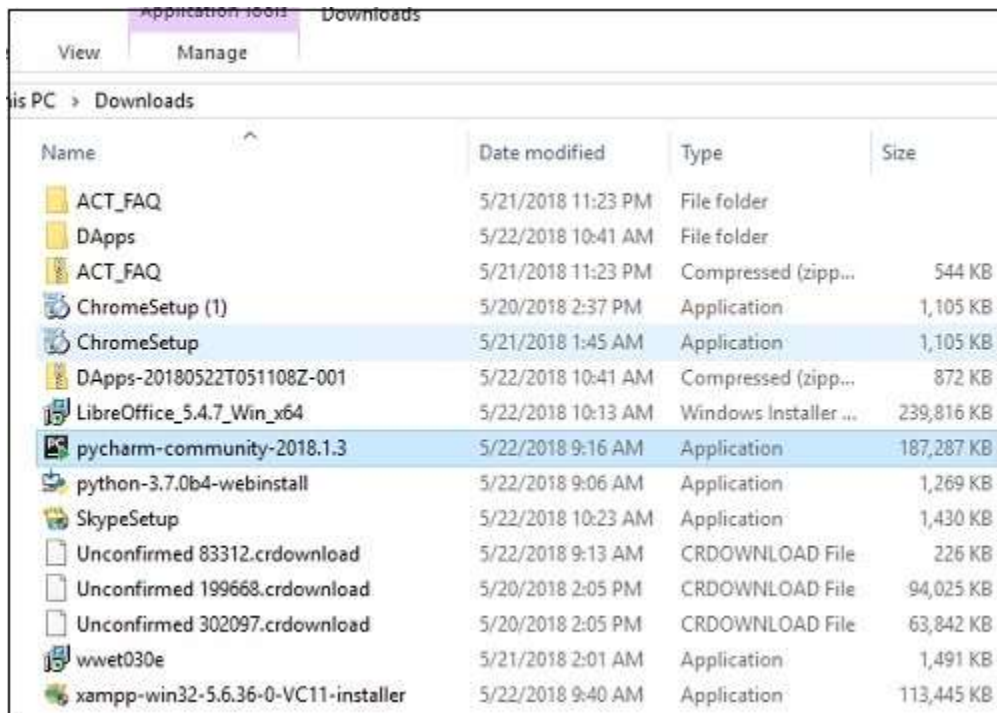
PyCharm <https://www.jetbrains.com/pycharm/download/#section=windows>



Step 2

Mention a destination folder as shown below –



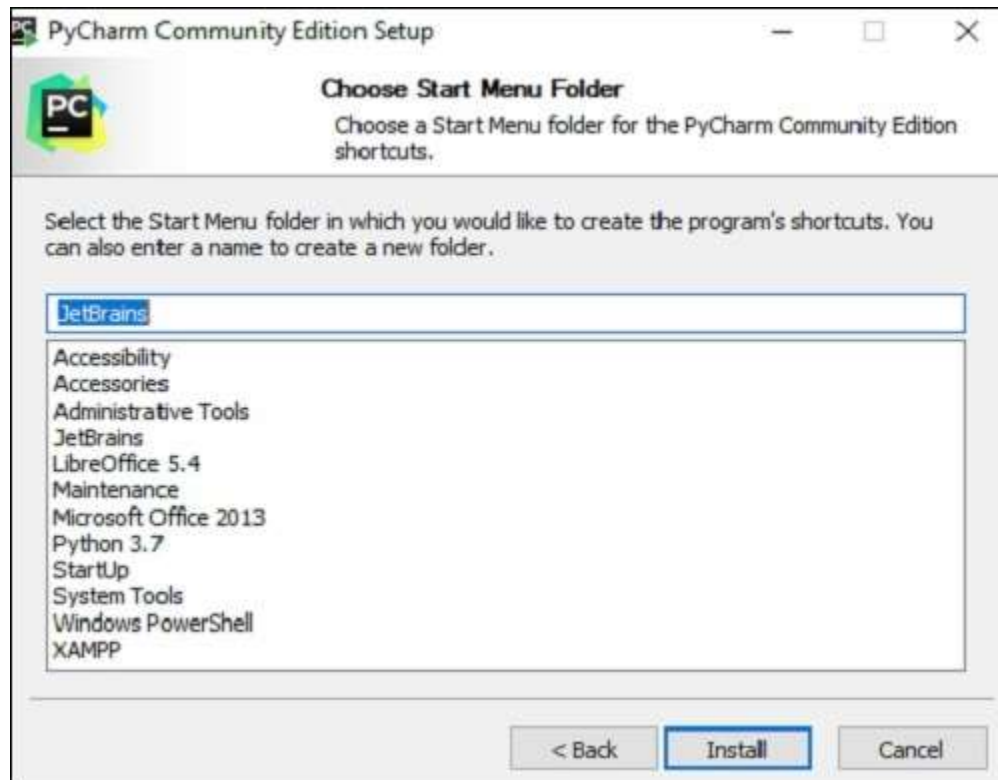


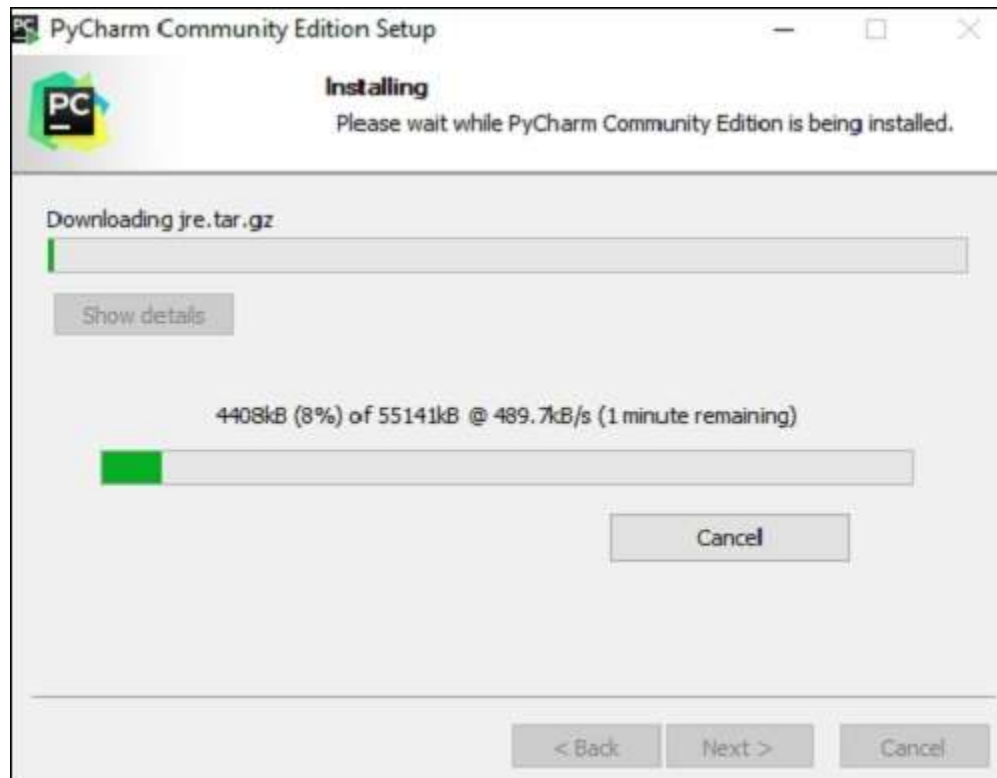
The screenshot shows a Windows File Explorer window titled 'Downloads'. The address bar indicates the current location is 'This PC > Downloads'. The main area displays a list of files and folders with columns for Name, Date modified, Type, and Size. The file 'pycharm-community-2018.1.3' is highlighted in blue.

Name	Date modified	Type	Size
ACT_FAQ	5/21/2018 11:23 PM	File folder	
DApps	5/22/2018 10:41 AM	File folder	
ACT_FAQ	5/21/2018 11:23 PM	Compressed (zipp...	544 KB
ChromeSetup (1)	5/20/2018 2:37 PM	Application	1,105 KB
ChromeSetup	5/21/2018 1:45 AM	Application	1,105 KB
DApps-20180522T051108Z-001	5/22/2018 10:41 AM	Compressed (zipp...	872 KB
LibreOffice_5.4.7_Win_x64	5/22/2018 10:13 AM	Windows Installer ...	239,816 KB
pycharm-community-2018.1.3	5/22/2018 9:16 AM	Application	187,287 KB
python-3.7.0b4-webinstall	5/22/2018 9:06 AM	Application	1,269 KB
SkypeSetup	5/22/2018 10:23 AM	Application	1,430 KB
Unconfirmed 83312.crdownload	5/22/2018 9:13 AM	CRDOWNLOAD File	226 KB
Unconfirmed 199668.crdownload	5/20/2018 2:05 PM	CRDOWNLOAD File	94,025 KB
Unconfirmed 302097.crdownload	5/20/2018 2:05 PM	CRDOWNLOAD File	63,842 KB
wwet030e	5/21/2018 2:01 AM	Application	1,491 KB
xampp-win32-5.6.36-0-VC11-installer	5/22/2018 9:40 AM	Application	113,445 KB

Step 3

Begin the installation

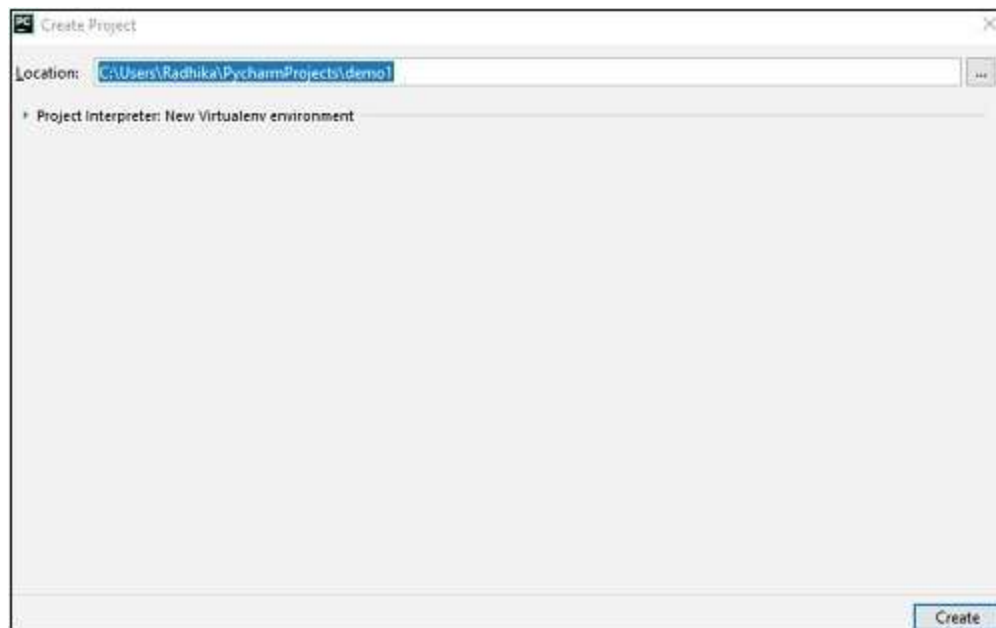




Step 4

import settings





This helps in creating a new project of Python where we can work from the scratch.

2.4 HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE SPECIFICATION

Requirements	Specifications
Processor	4 th generation Intel core i3 or higher
Disk Space	16 GB or More
RAM	4 GB (min)

SOFTWARE SPECIFICATION

Requirements	Specifications
Operating System	Windows 7 and above
Programming Languages	Python 3.8
Software/ Python distributions	PIP/ Anaconda
Development environments	PyCharm/ Spyder/ Visual Studio
Web frameworks	Django/ Flask

Chapter 3

System Requirement Specification

Users

Administrator

The administrator is the person who will be guiding the work by associating the rights show all the related users that are required to be added to the platform for the reference of design and collaboration has to be added by the administrator

Team members

Team members are the related users those who will be allocated with the work of understanding the situations of the task and processes. The team members that are associated with the work will be provided with the work definition which they have to produce in real time in incorporated way. Different team members will be having different types of working rights

Assumption and dependency

The main assumption is that user should understand that how the system has to be utilized and even they should understand the final output that will be presented by the system without which the usage of the system will be not optimized

The dependency of the system is that all the teams are required to be added on to the system and they have to be located with the rights after which they will proceed for the work ability and they have to login for the work reference

Scope and objective

The important scope of the system is that we have to produce away where multiple types of organizations have control and command referential planning of the complicated processes and task

The main objective of the system is synchronized controlled working for the substitution of complicated components which are required to define the how the system will work and how the workability will be achieved

Problem statement

Problem statement reference is based on the guidelines for different perspective that has to be added that has to be provided on a single system.

All consideration that are required has to be provided in such a way that different users can utilize it according to their reflex design.

One more important concern about the system design is to provide synchronization which is needed and which has to be updated as the references are acknowledged.

Different types of Differential tools are also required to be provided with reflex understanding which will be used for different types of analytical reviews

3.1 FUNCTIONAL REQUIREMENTS

Functional requirements are the considerations of the features that are associated with the system and needs to be properly organized with the help of functional requirement documentation. The documentation will be prepared by everything all aspects of workability, processing, terms of inputs and other considerations of outputs that has to be outlined

Workflow designs

Use Case Name	Workflow designs
Trigger	Inputs
Precondition	Working access required
Process	<p>Workflow designs are presented with the node and the references that are provided to be properly established with the help of the base selected node presented by the system and as particular identities added to the node automated reference pop-ups will be provided to the users so that they can establish the type of design they require.</p> <p>All types of workflow can be notified and can be represented as according to the definitions and task process requirements</p>
Post-condition	Reference added

Standard information integration

Use Case Name	Standard information integration
Trigger	Selective and design based
Precondition	Reference added
Process	<p>Standard information integration will be provided for each and every component that is selected so that in the real time when the preview is established the system can provide recognition of information required to be associated with that, information integration will be based on different types of platform in corporation or with various types of content design options that will be included.</p> <p>All types of content provisions will be provided in individual window with multiple reference is that has to be selected and utilized</p>
Post-condition	Design updates

Potential updating

Use Case Name	Potential updating
Trigger	Auto
Precondition	Platform added
Process	<p>Potential updating is provided to the users when any type of information bases connected with the help of the component integration system where does integrated information will be cancelled directly through the platform from where it has been taken so that every time it is selected the references are updated</p>
Post-condition	

Work collaboration

Use Case Name	Work collaboration
Trigger	Selective
Precondition	Access of admin required
Process	<p>Work collaboration will be provided with additional setting of users so that work can be defined in such a way that according to the prospective requirement process designing the users can interact and can precede the task.</p> <p>Multiple users can Orient at the same time with the help of integrated communication and collaboration which is included</p>
Post-condition	Reference users added

Sharing

Use Case Name	sharing
Trigger	Setups
Precondition	Data generated
Process	<p>The users will be provided with the mechanism of sharing so that the final designs that have produced by the collaborated activities of process designing can be transferred. System provides all types of compatibility and establishment.</p>
Post-condition	Reference of platforms seen

3.2 NONFUNCTIONAL REQUIREMENTS

Nonfunctional requirements are directly based on the real-time workability where we have to provide proper execution and qualities to the user so that the system can be utilized in a proper way. The nonfunctional requirements are associated with incorporation of different types of features for example the related scalability is needed, security references are required, adaptability has to be provided etc.

Availability

The system will be available with the help of the login by providing different types of stages of references and each page can be utilized for different references of workability in terms of visualization. All the references that are available within the system can be used according to the rights. System is on the clouds it will be available whenever it is required

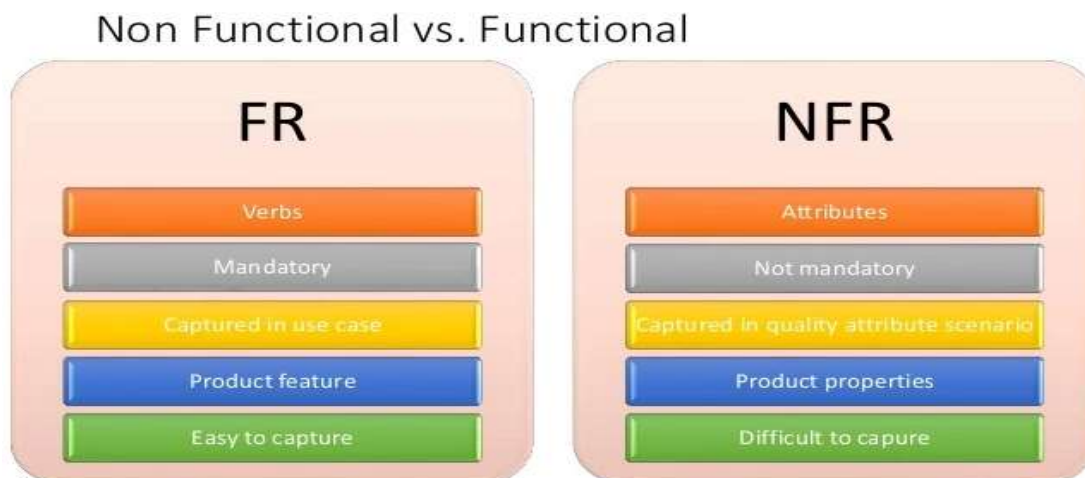


Figure 4

Figure shows the difference between functional requirements and nonfunctional requirements

Adaptability

Different process designing requires different types of structure in of the information and different types of structuring of the components so the system is associated in such a way that proper adaptability can be provided to different clients so as required the features can be utilized. All types of perceptions that are required will be provided with compatibility within the system

Backup

A backup system of all the designs will be provided as each design requires a time frame and it will be not organized in a day so the system will save the replica of the information on a cloud associated data stage. All types of security for the data retrieval and for the transfer with the help of interactions is also incorporated within the system

Documentation

Important aspect is documentation where all types of documentations will be provided and each reference can be accessed by the users as they require. Documentation will be provided in to different formats so that the type of provisional information required can be achieved by the users.

Legal

The legal aspects that are required to keep the references properly as different types of resources will be utilized by the user is also important show detailed usability rules and regulations will be outlined so that the users can understand regularity that has to be legalized. Legal aspect and conciliation will be outlined in various types of terms of usage will be provided

Chapter 4

SYSTEM DESIGN

4.1 SYSTEM PERSPECTIVE

Framework point of view is joining each viewpoint and conduct of an application all in all with regards to its condition. It clarifies the correspondence between each part of a framework. It accentuates a framework in general. It delineates the connection between the elements of a framework part's that depends on their connection with each other. It clarifies how this application is organized for the handling of information and characterizes the general conduct of the application.

4.2 CONTEXT DIAGRAM

Context diagram provides multiple sequence of synchronization of processes where all types of scope and boundaries of the system at a glance is shown

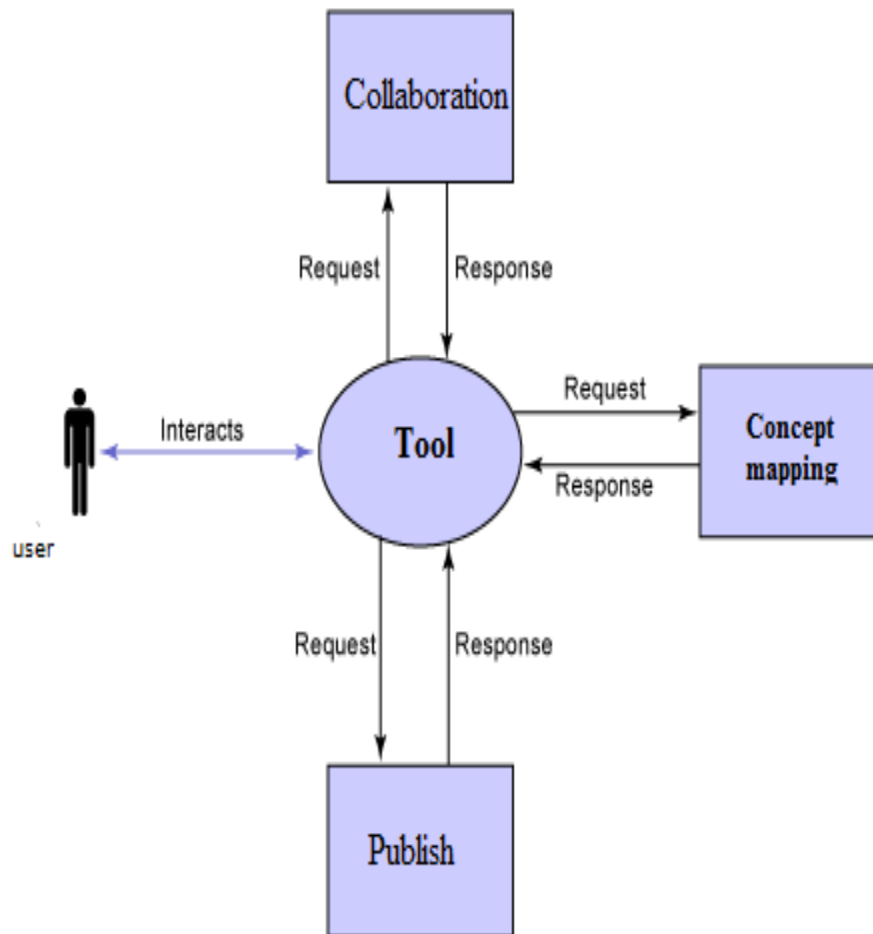


Figure 5: Context Diagram

4.2.1 DATA FLOW DIAGRAMS

Data flow diagram is depicted with the help of different types of symbols to represent the processes and flows based on functions database input output and flows

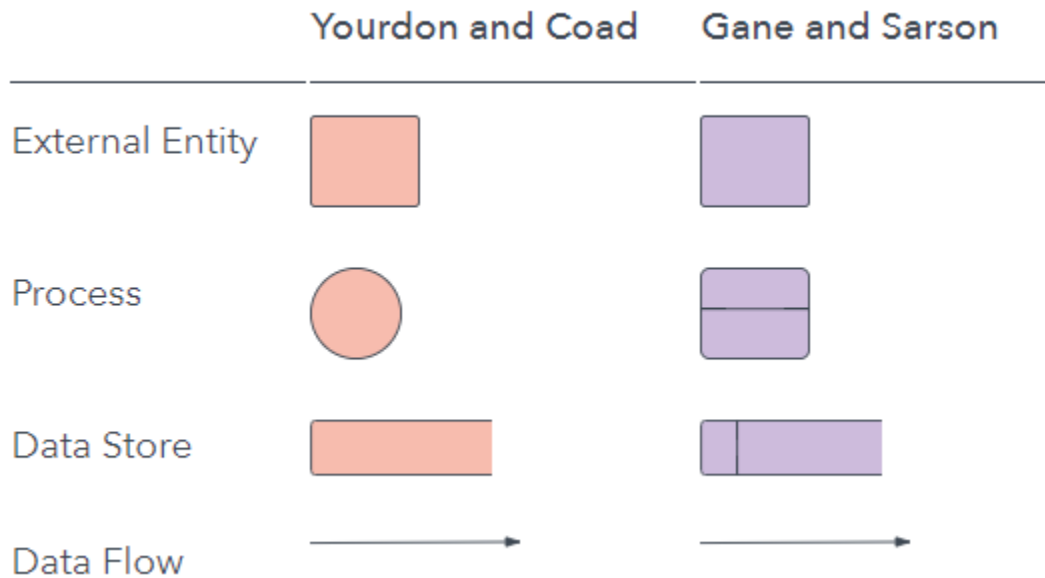


Figure 6: Notations

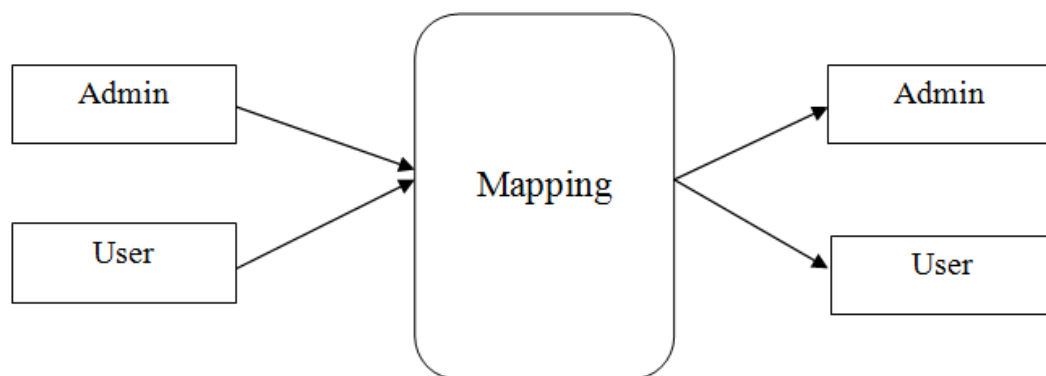


Figure 7: Level-0 DFD diagram

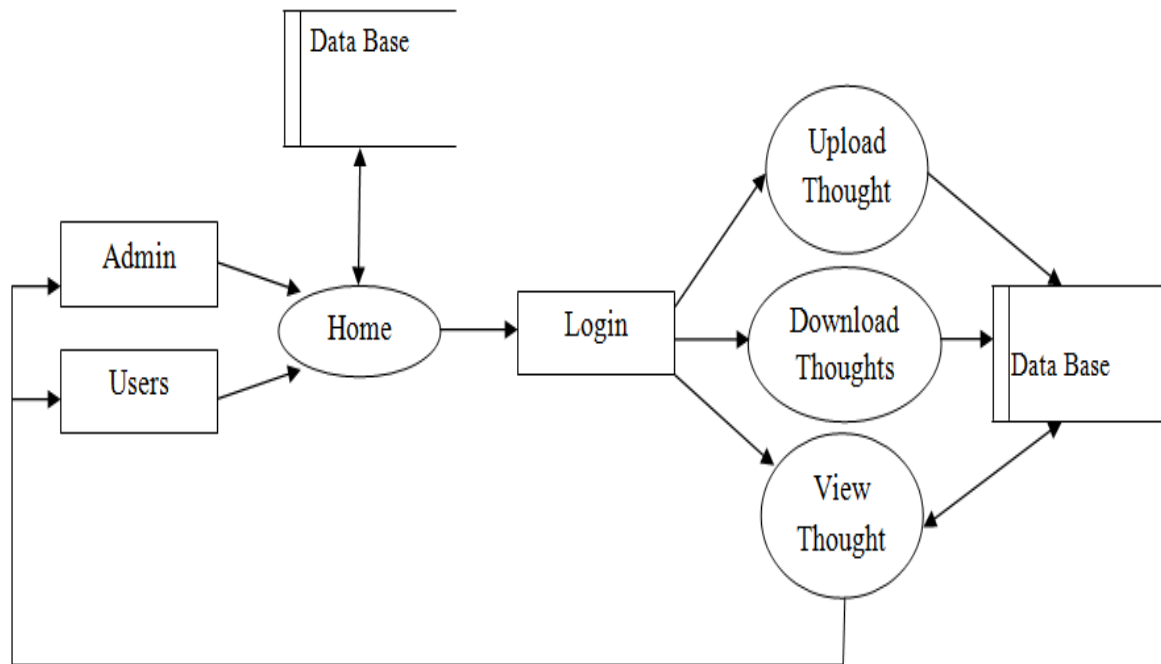


Figure 8: Level-1 DFD diagram

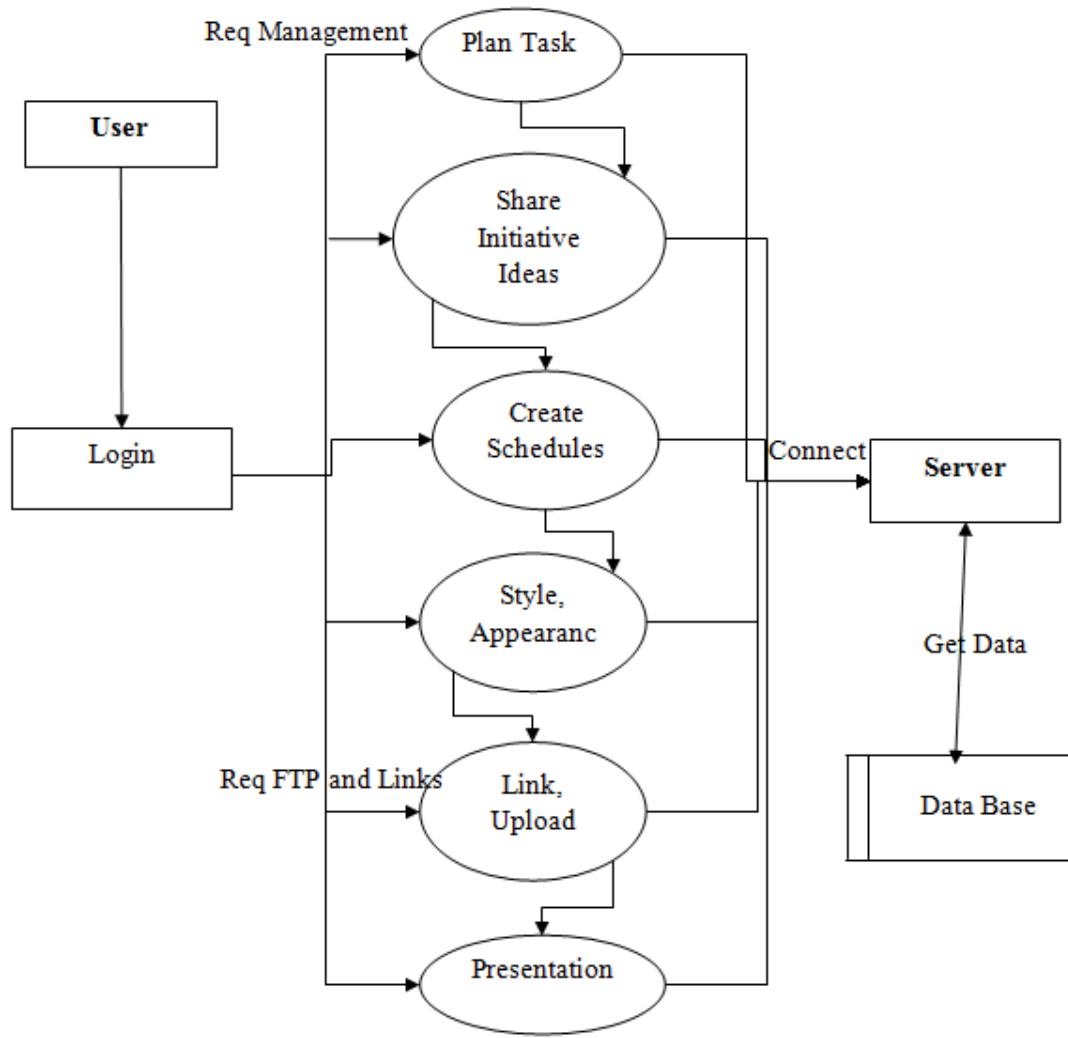


Figure 9: Level-2 DFD diagram

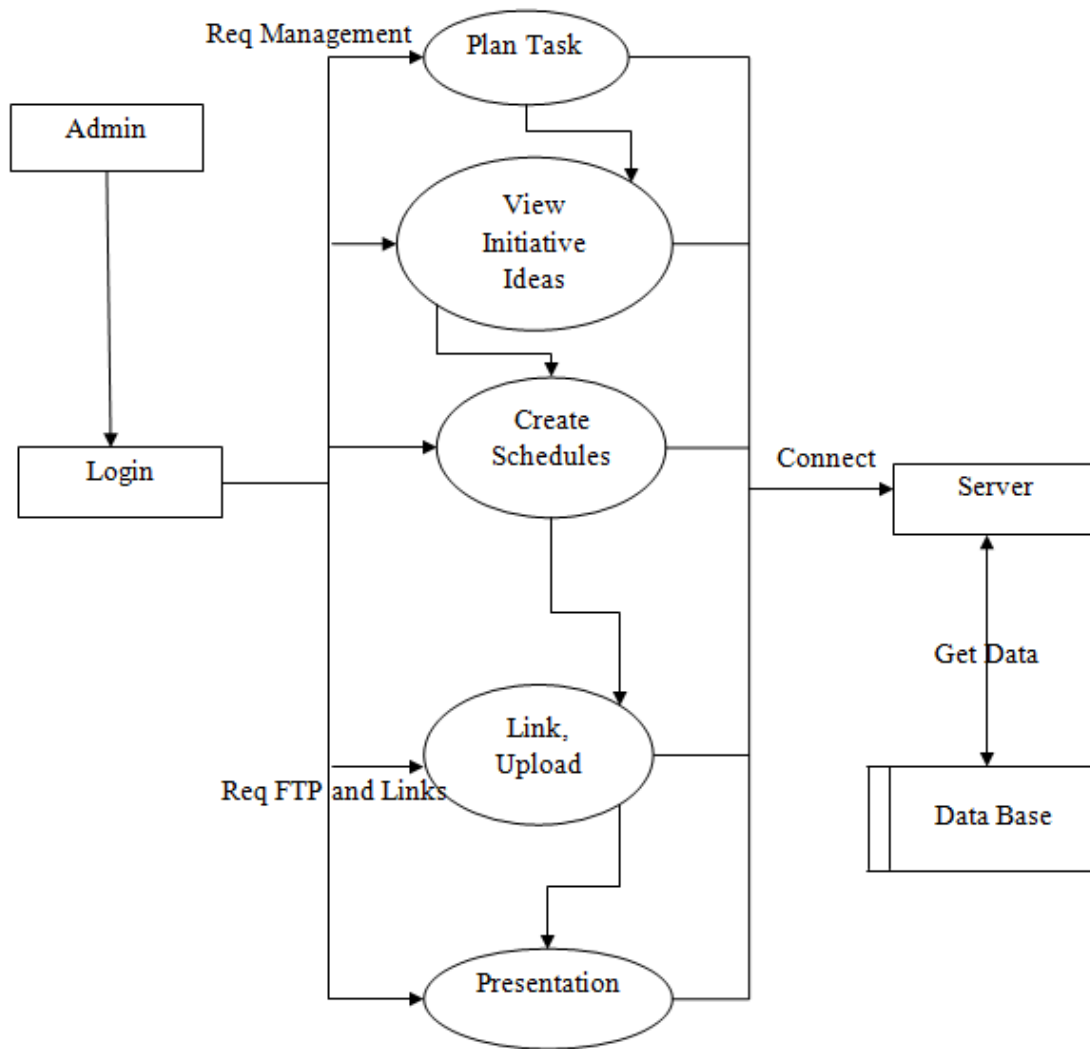


Figure 10: DFD diagram for admin

4.3 ARCHITECTURE DIAGRAM

Architecture diagram shows the structure of component interrelationships and the principles so that reflection understanding how the system working can be achieved

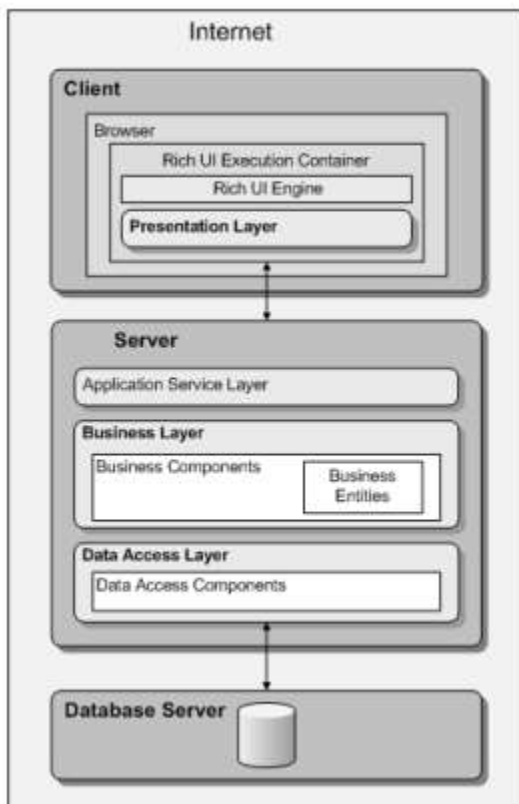


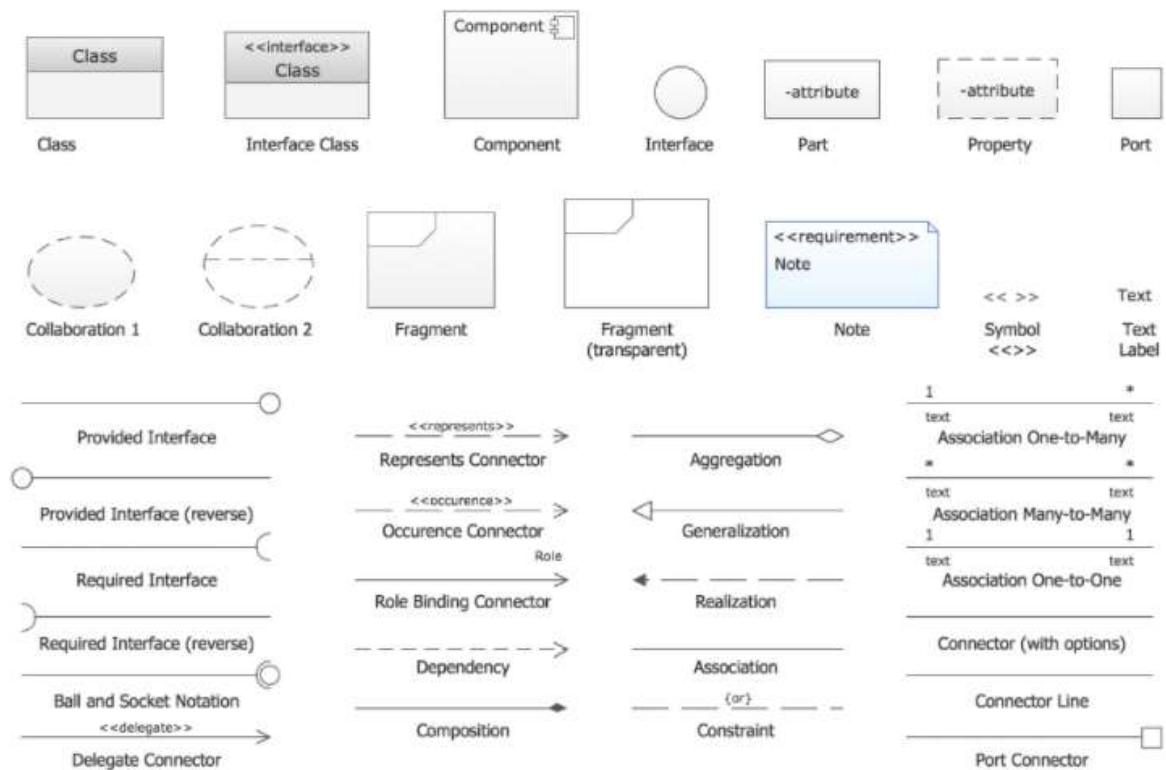
Figure 11: Architecture diagram

CHAPTER 5

DETAILED DESIGN

5.1 CLASS DIAGRAM

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



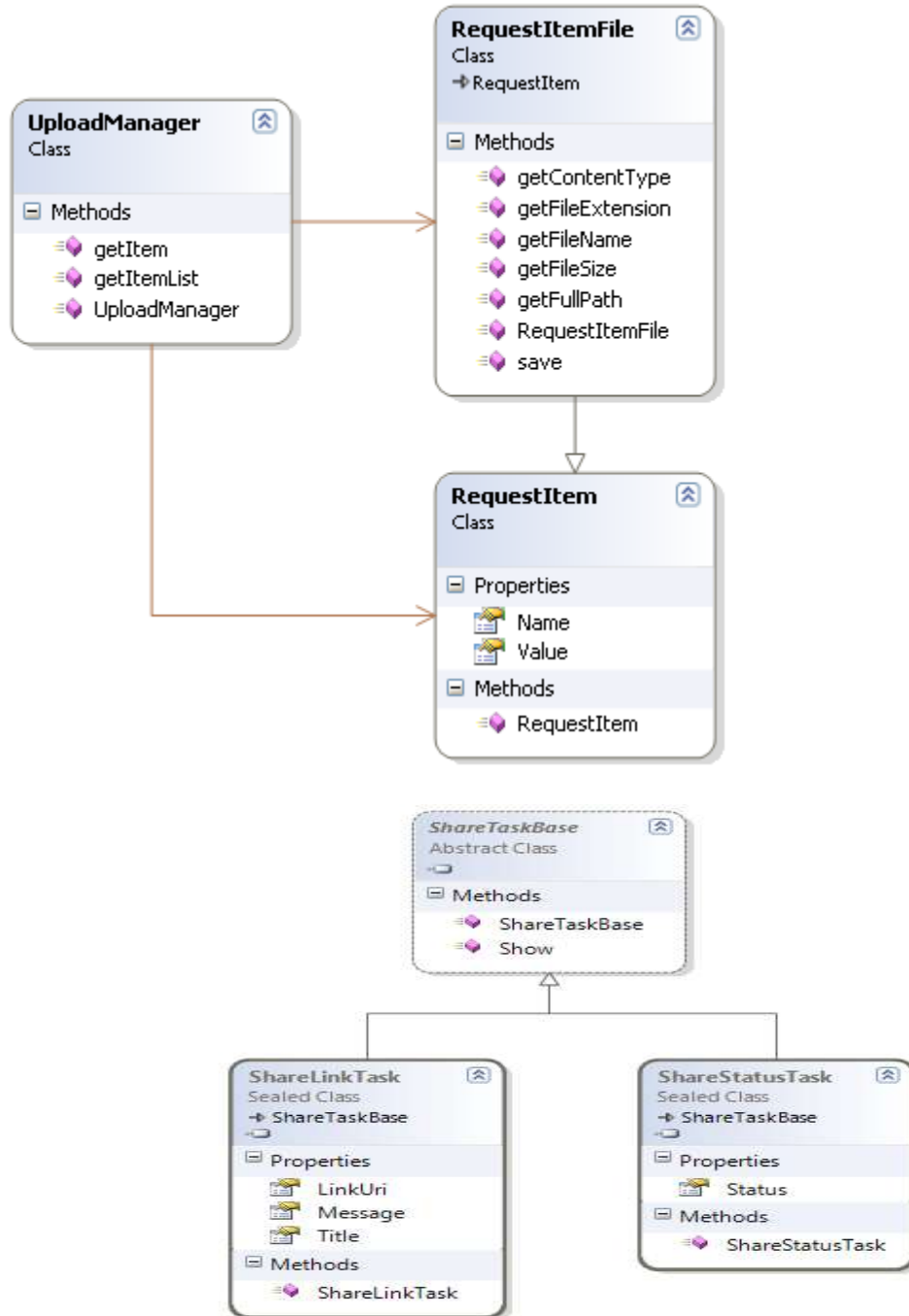
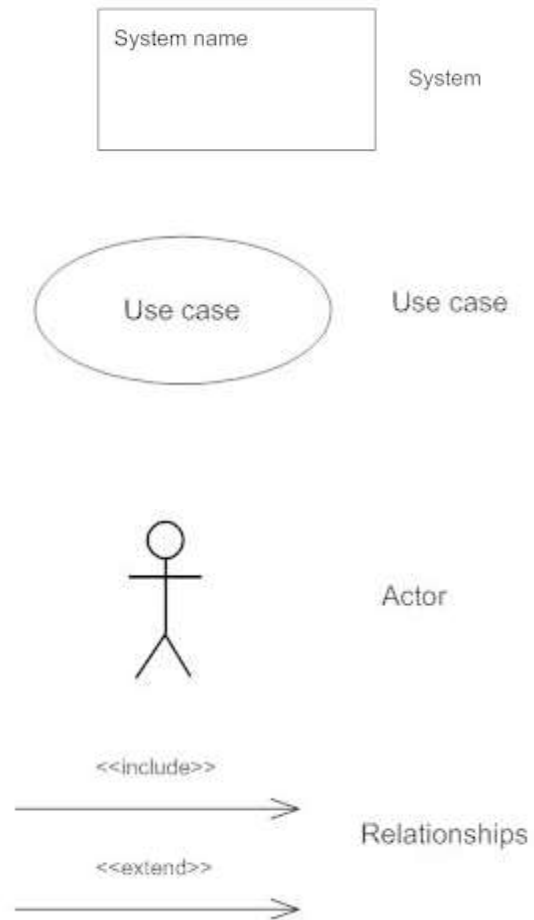


Figure 12: Class diagram

5.2 USE CASE DIAGRAM

All the related actors and the related processes that will be undertaken for achieving a goal is being acknowledged in the use case diagram.



Use case diagram

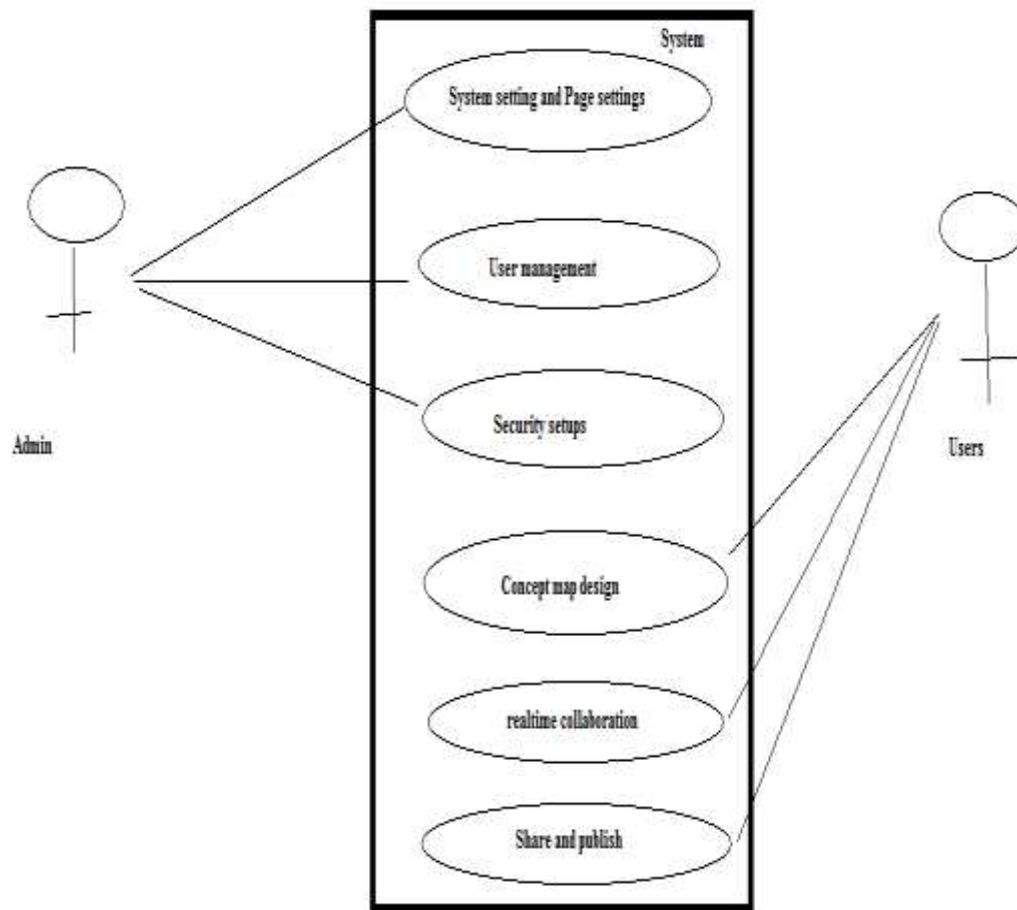


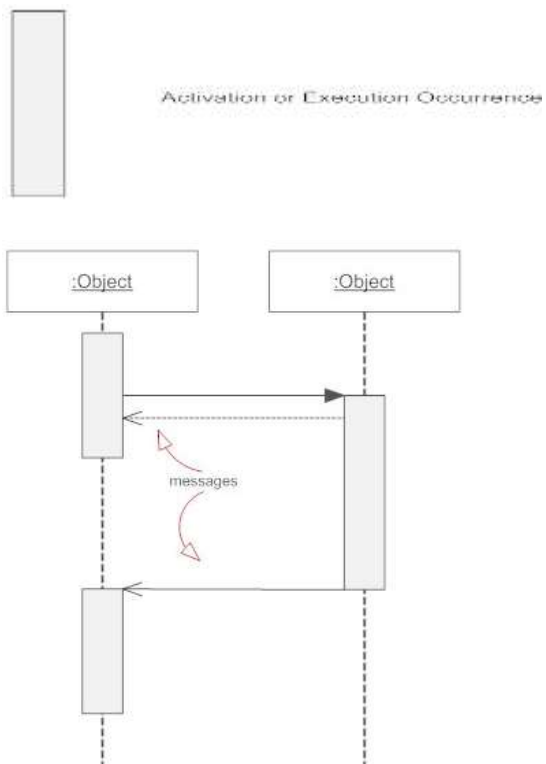
Figure 13: Use case diagram

5.3 UML DESCRIPTION

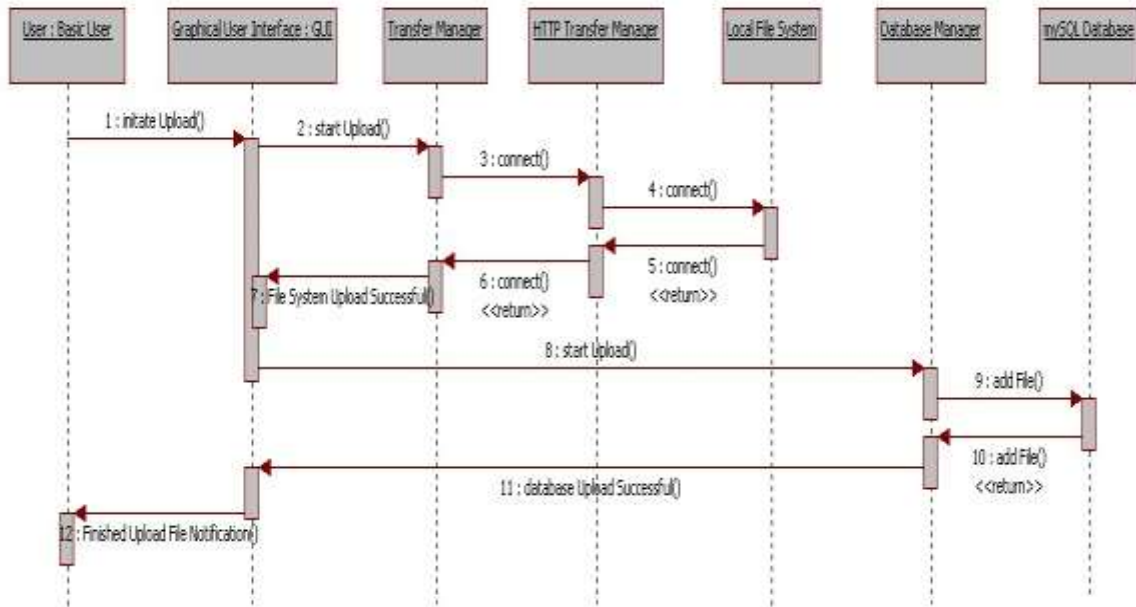
- ❖ In the above diagram there will be a multiple user, one is admin, that posts any of the problem that is difficult to solve.
- ❖ Their will be detail description about the problem given by the user that should be adjustable to the system to find the solution.
- ❖ By viewing this post, if the other users could able to solve the problem, he can again post back it to the screen.
- ❖ For each given solution their will, be provided a security to avoid misuse.
- ❖ Each and every user activity can be able know here by their actions.
- ❖ The user should be post the solved problem back to the page with full map design that should be able to reach the admin.
- ❖ The solved solution can be viewed by any number of users. Any number of users can find a solution for the problem and later it can be again posted back it to the screen.
- ❖ Access will be given to each and every user in this system.
- ❖ Each user can go through other user's solution and they can post their ideas in it. In all those solutions admin can take any one solution among all those.
- ❖ If their is a possibility of merging both two solution to form a one complete good solution, it can be collaborated.
- ❖ And later admin can take that solved solution for his problem.
- ❖ Every action is taking place in the same system only.

5.4 SEQUENCE DIAGRAM

Sequence diagram represents individual use cases where external actors and the related messages that are invoked will be shown



Sequence Diagram: UploadFile



Sequence diagram for file upload

sd collaborate diagrams

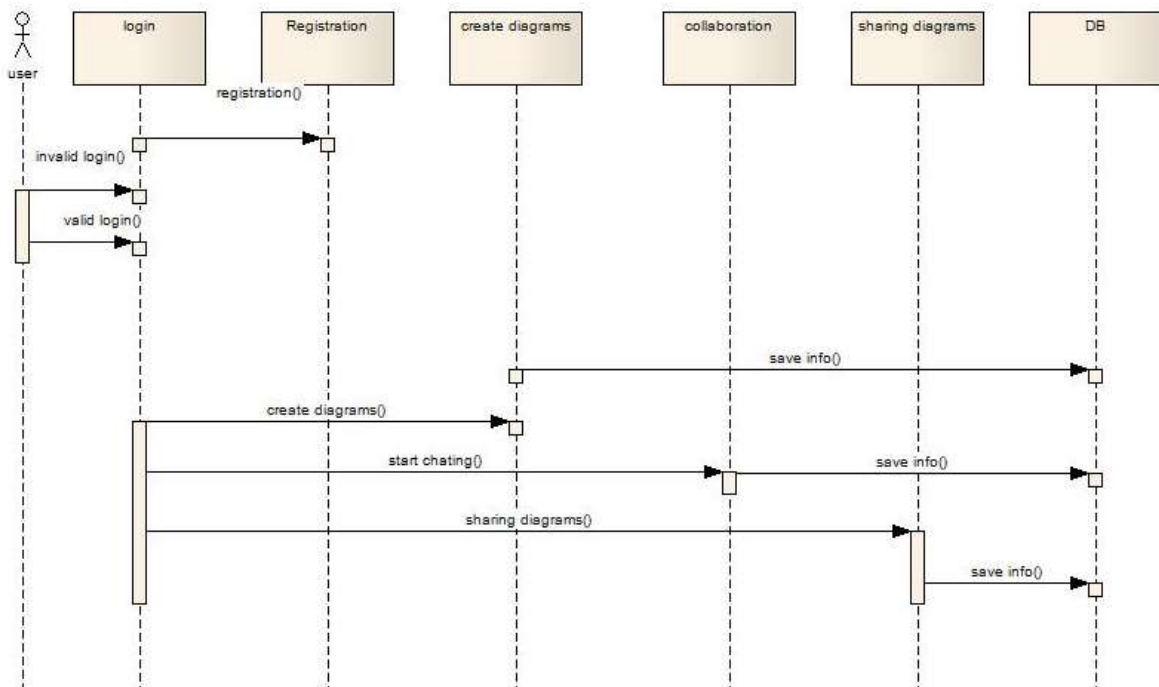


Figure 14: Sequence diagram

5.5 COLLABORATION DIAGRAM

Collaboration diagrams help to support the identification of objects and even capture interactions about the objects and role within the collaboration

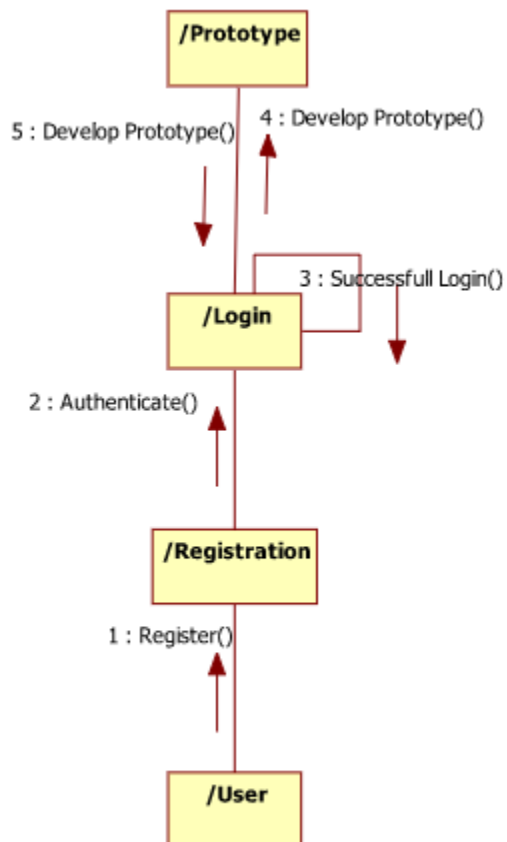
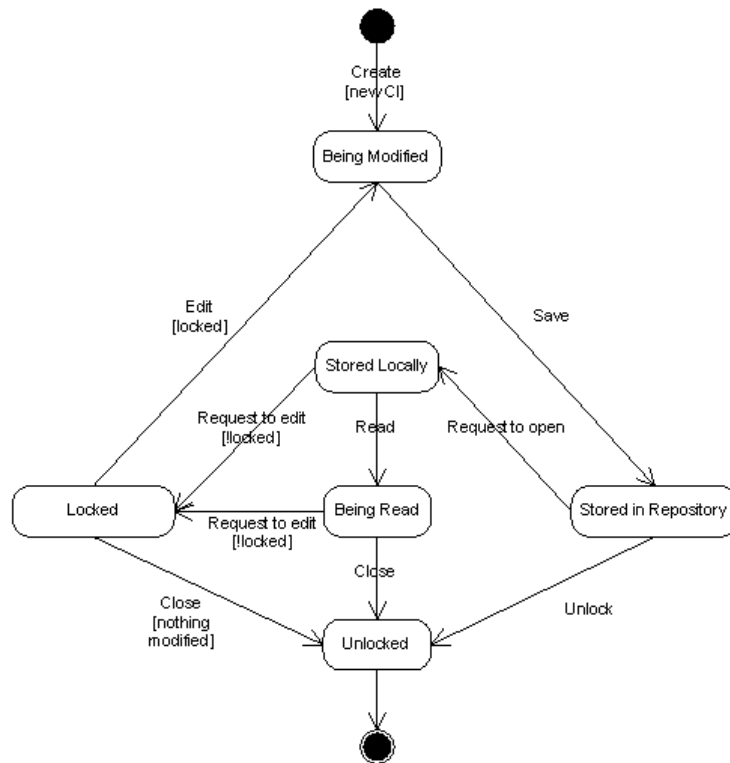


Figure 15: Collaboration diagram

5.6 ACTIVITY DIAGRAM

Activity diagram captures the dynamic behavior and shows the message flow from one object to the another



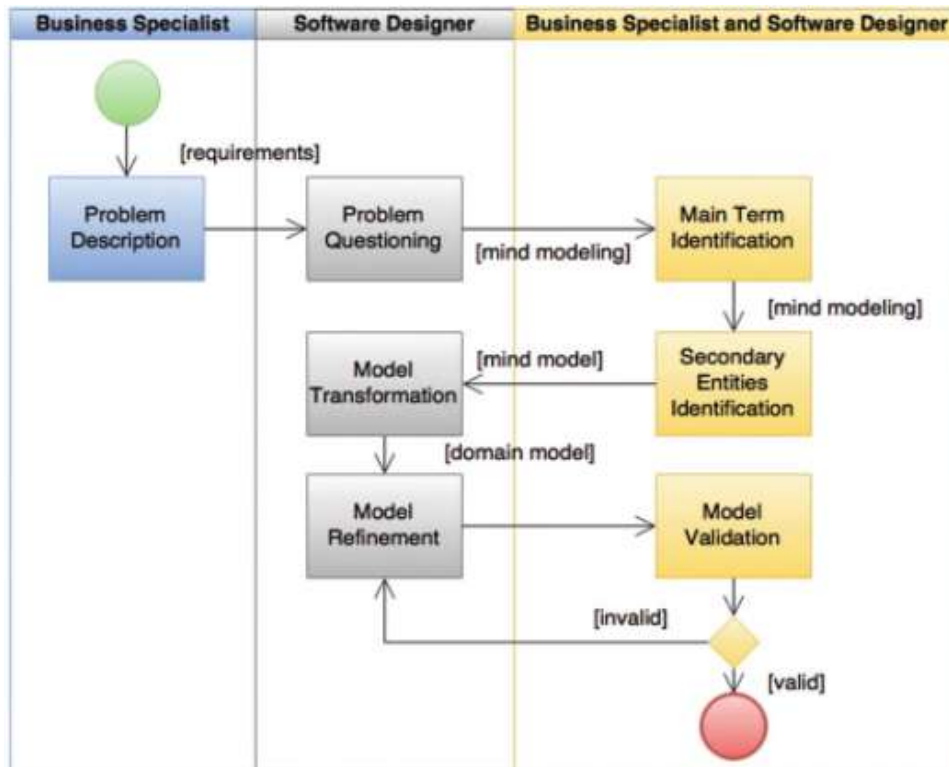


Figure 16: Activity diagram

5.7 ENTITY RELATIONSHIP MODEL

Entity model helps us to understand the related entities and all types of related modeling based on the relationships and attributes will be performed

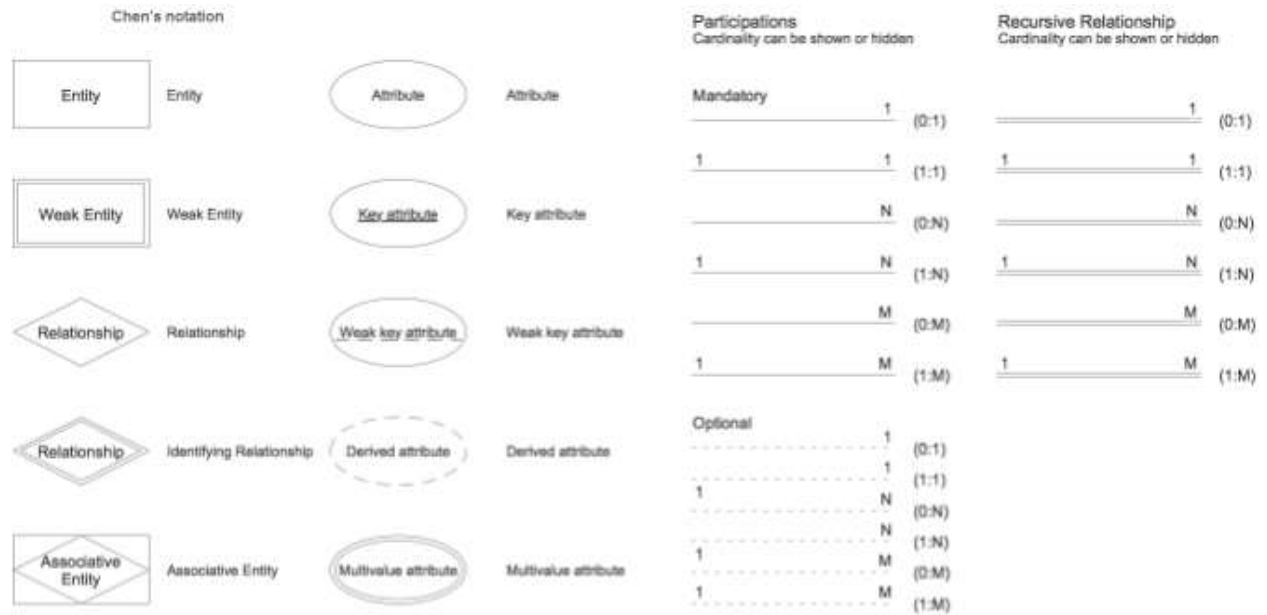


Figure 17: Chen's Notation

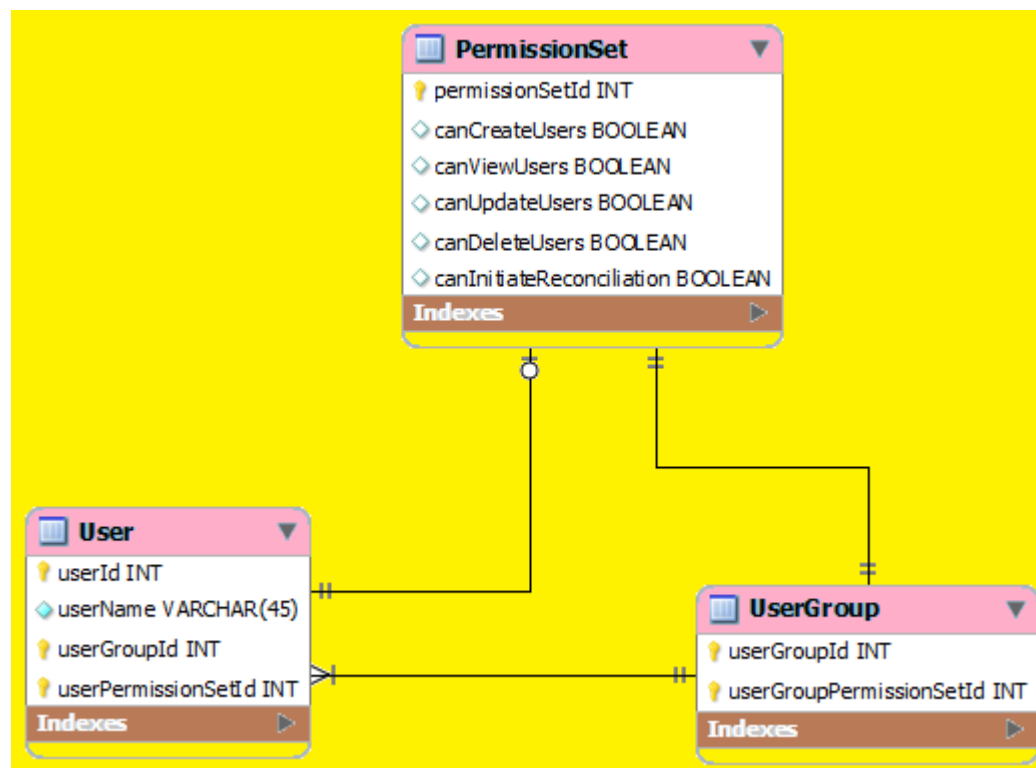
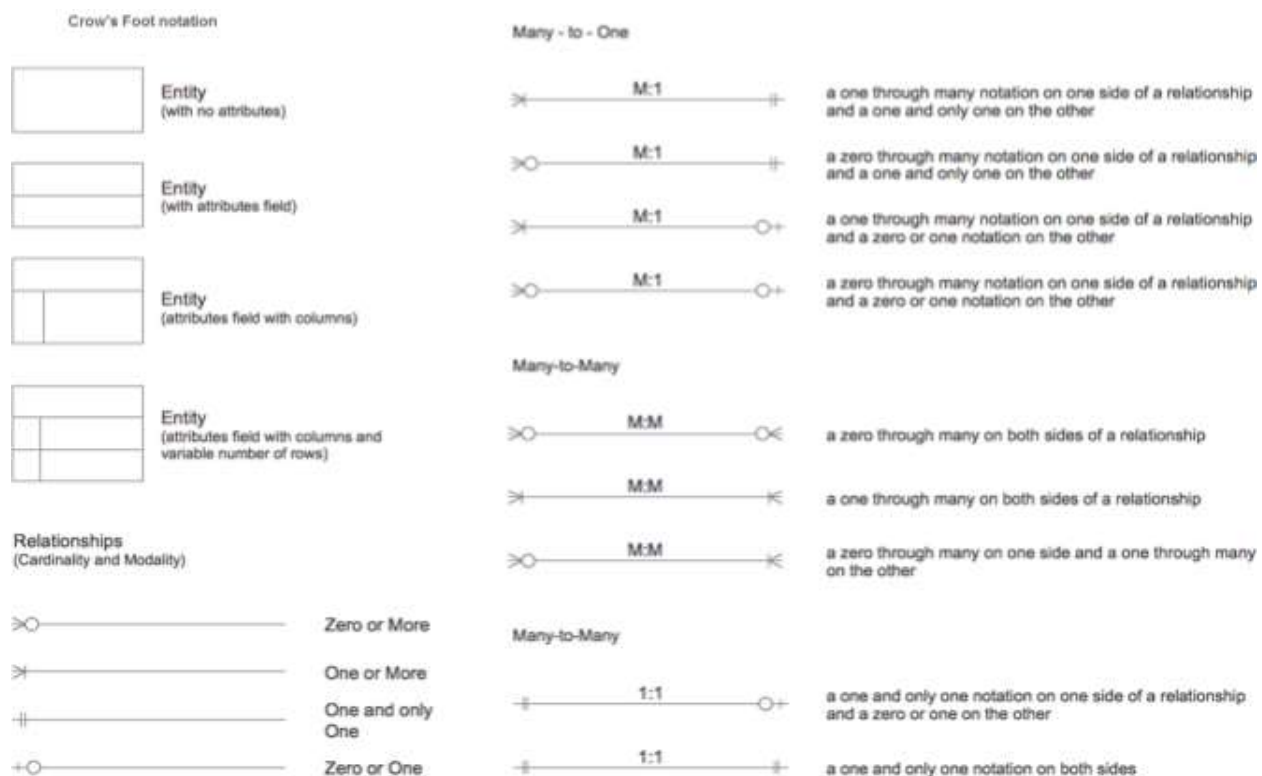


Figure 18: ER diagram

CHAPTER 6

IMPLEMENTATION

6.1 Screenshots

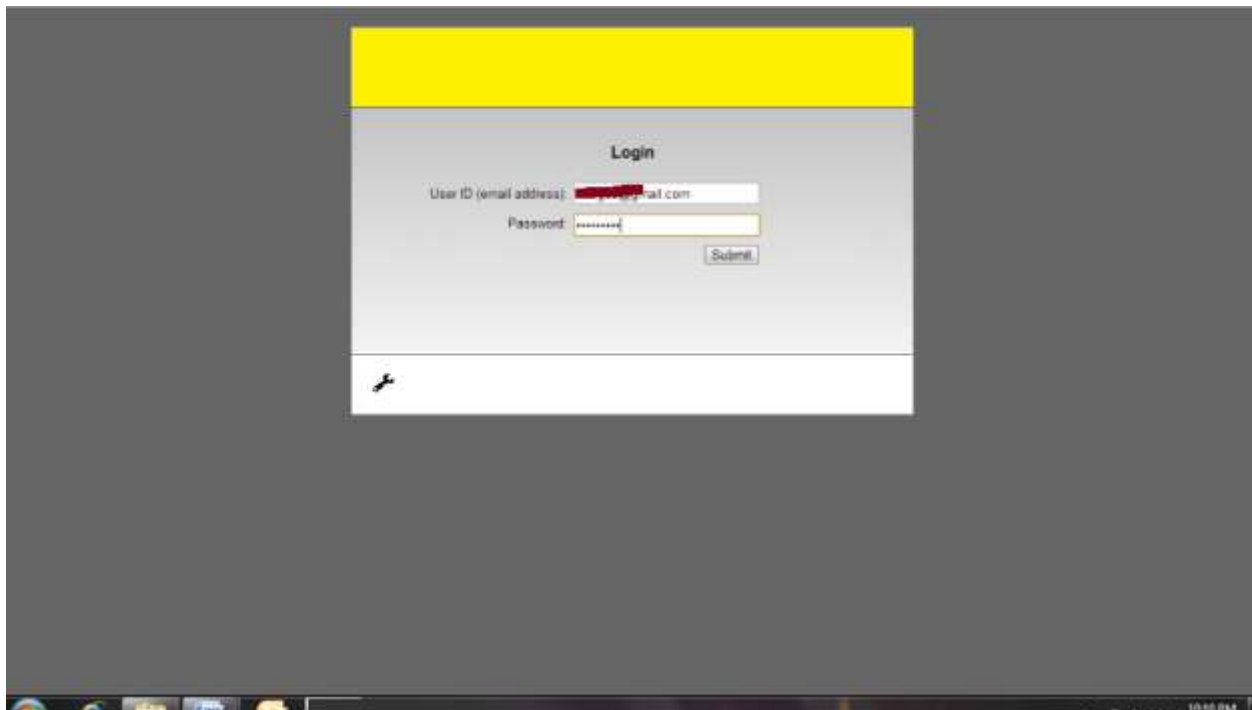


Figure 19: Login page

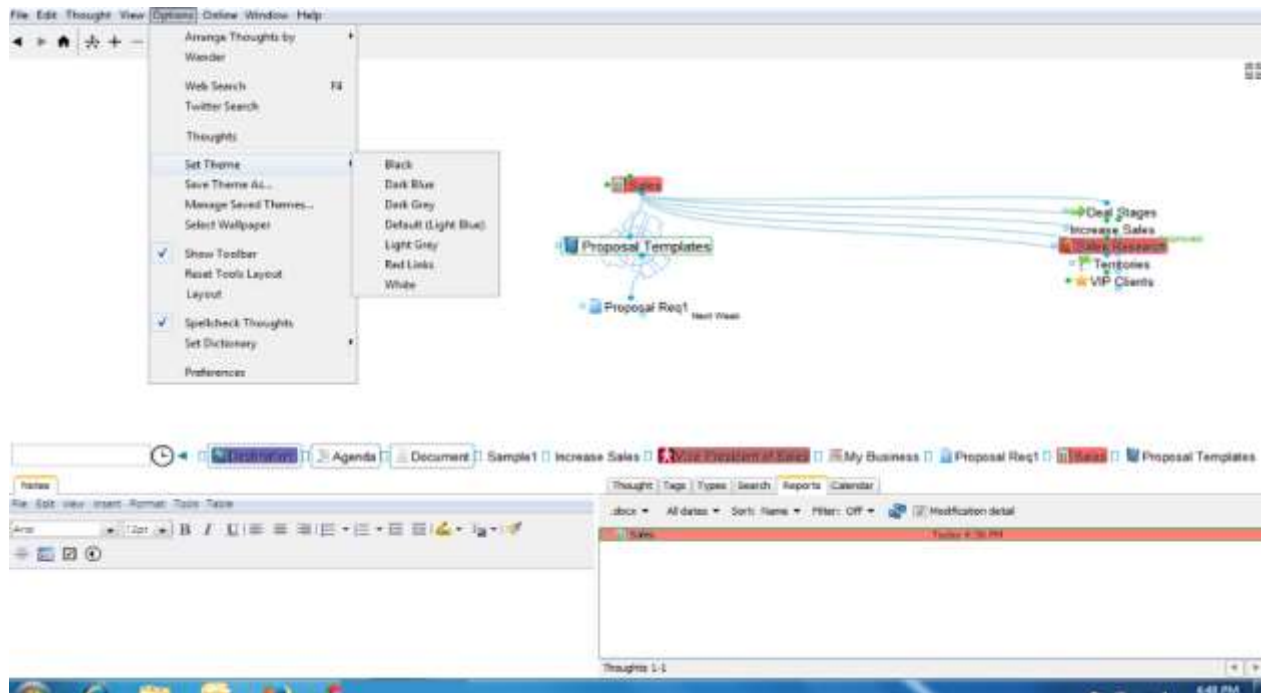


Figure 20: Providing options for different working references

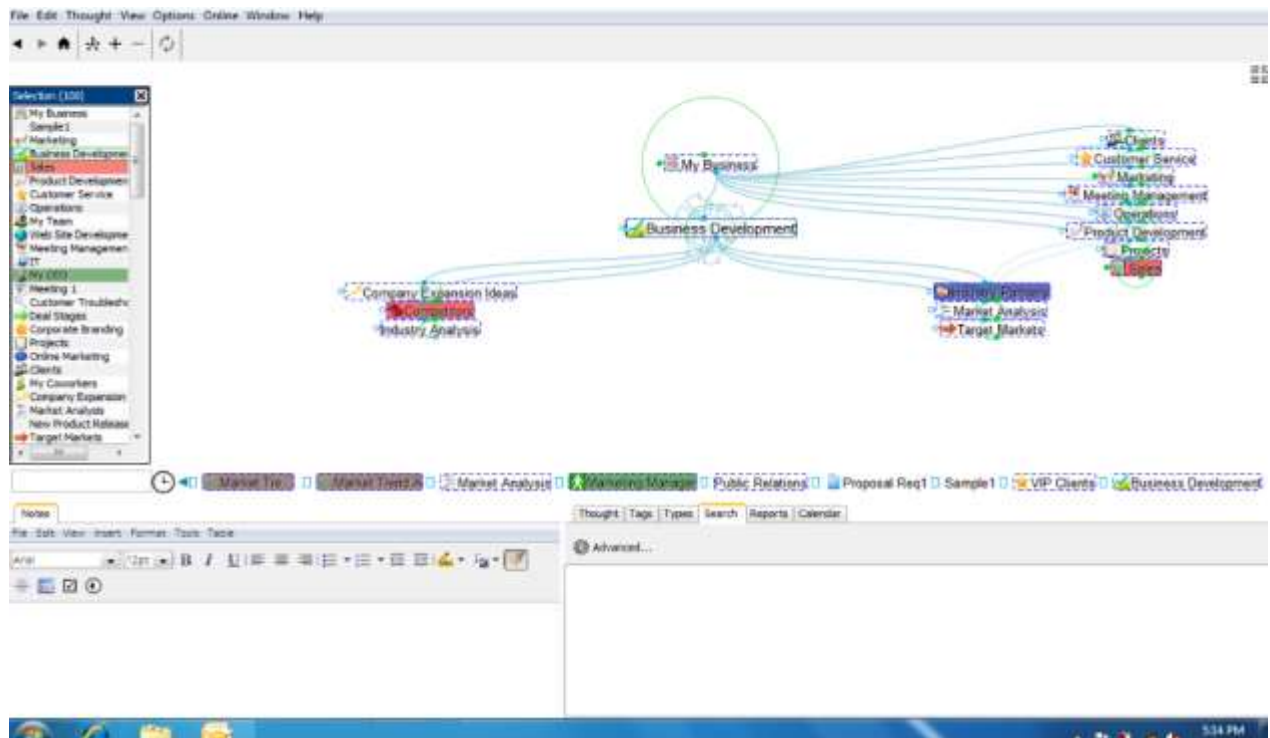


Figure 21: Data reference search from the detailed design components

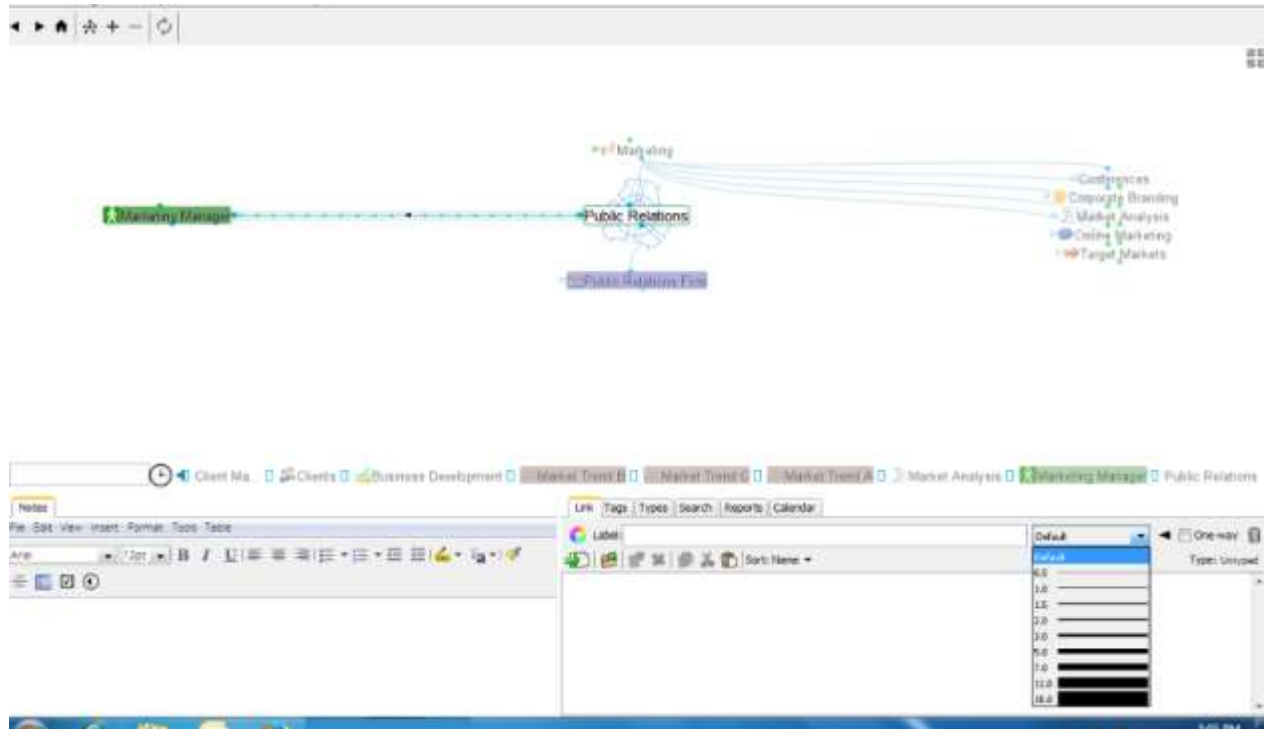


Figure 22: Defining relations between considerations (link)

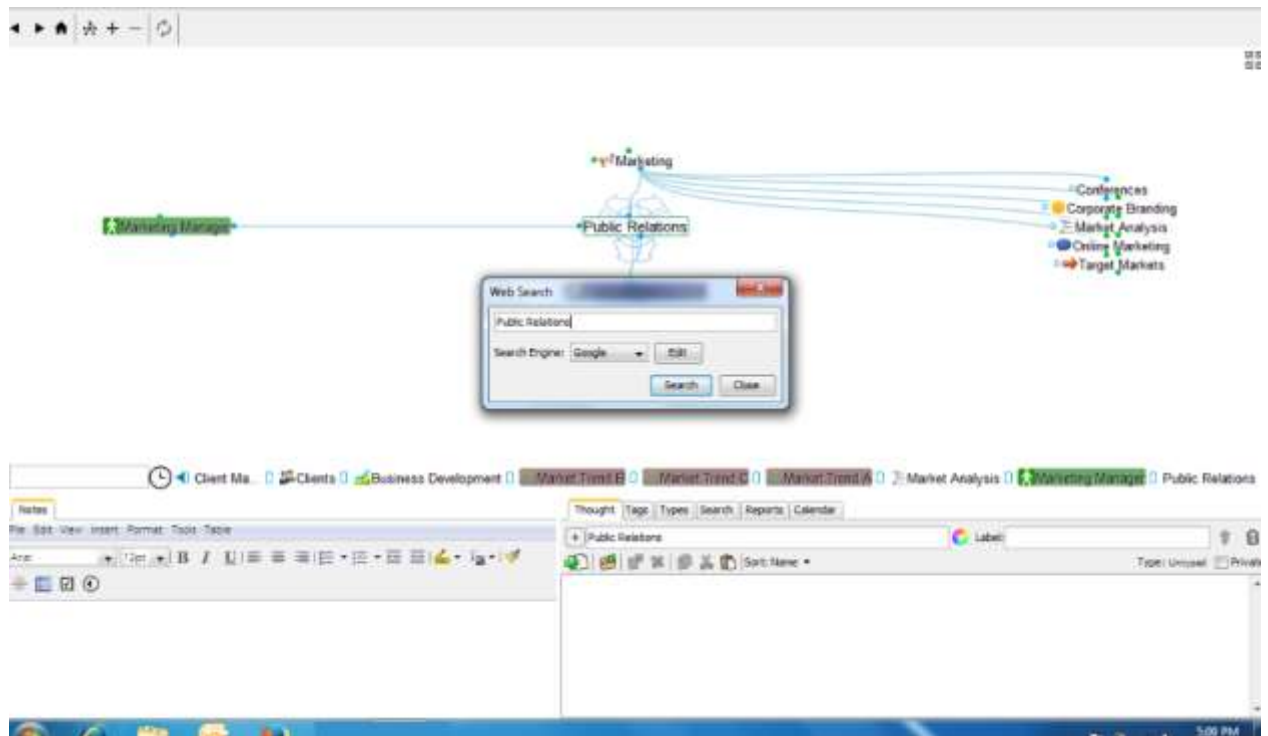


Figure 23: Platform searching with different reference of selections

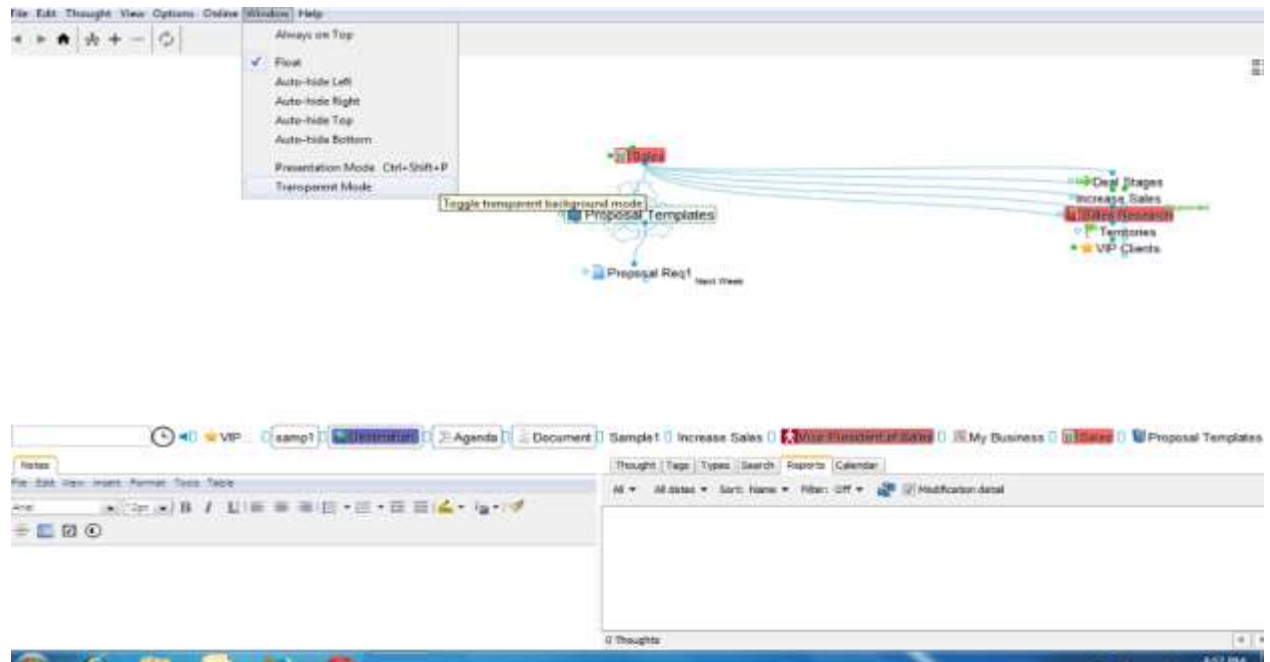


Figure 24: Window mode selections

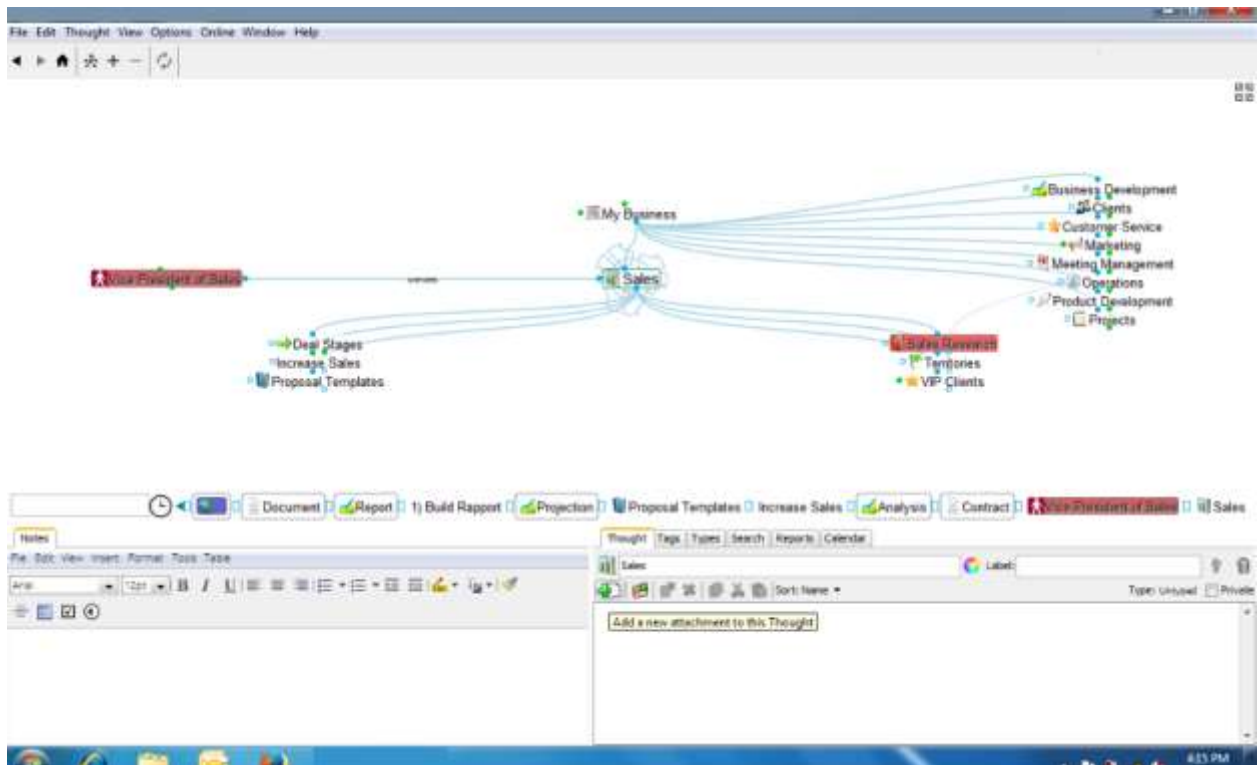


Figure 25: Data additions

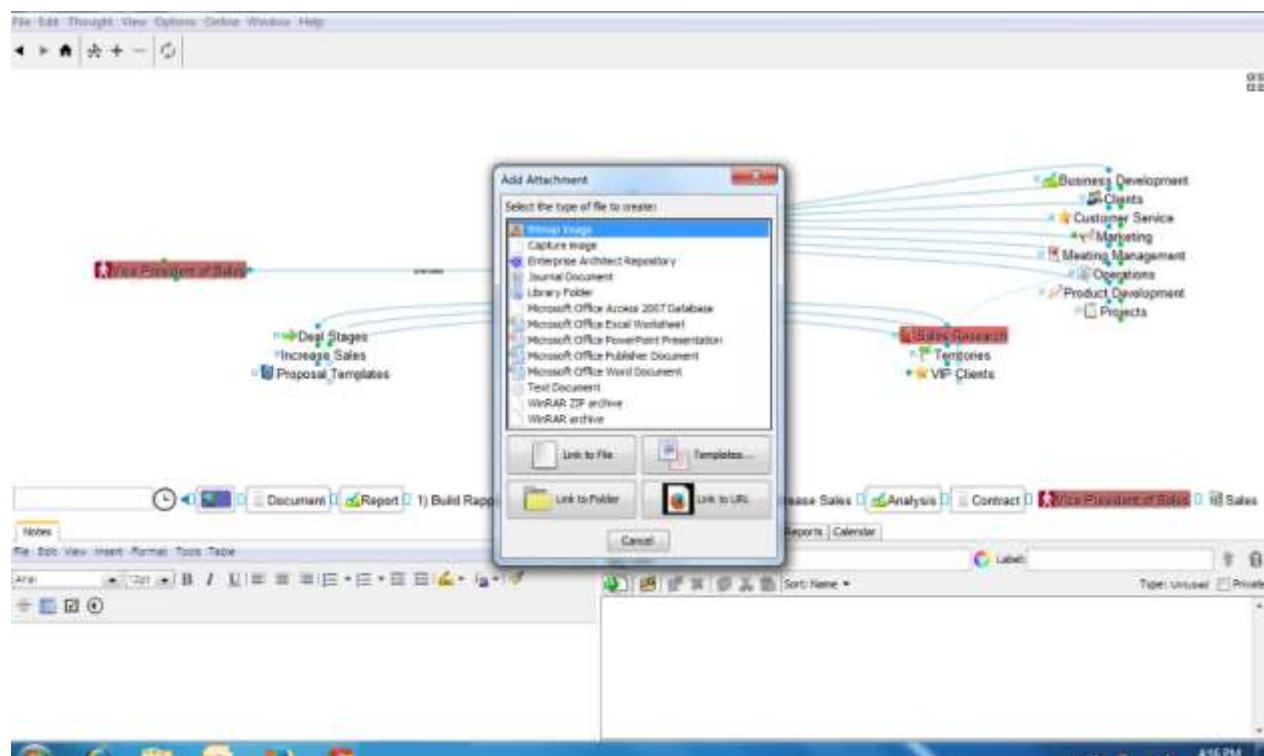


Figure 26: Type of selections shown

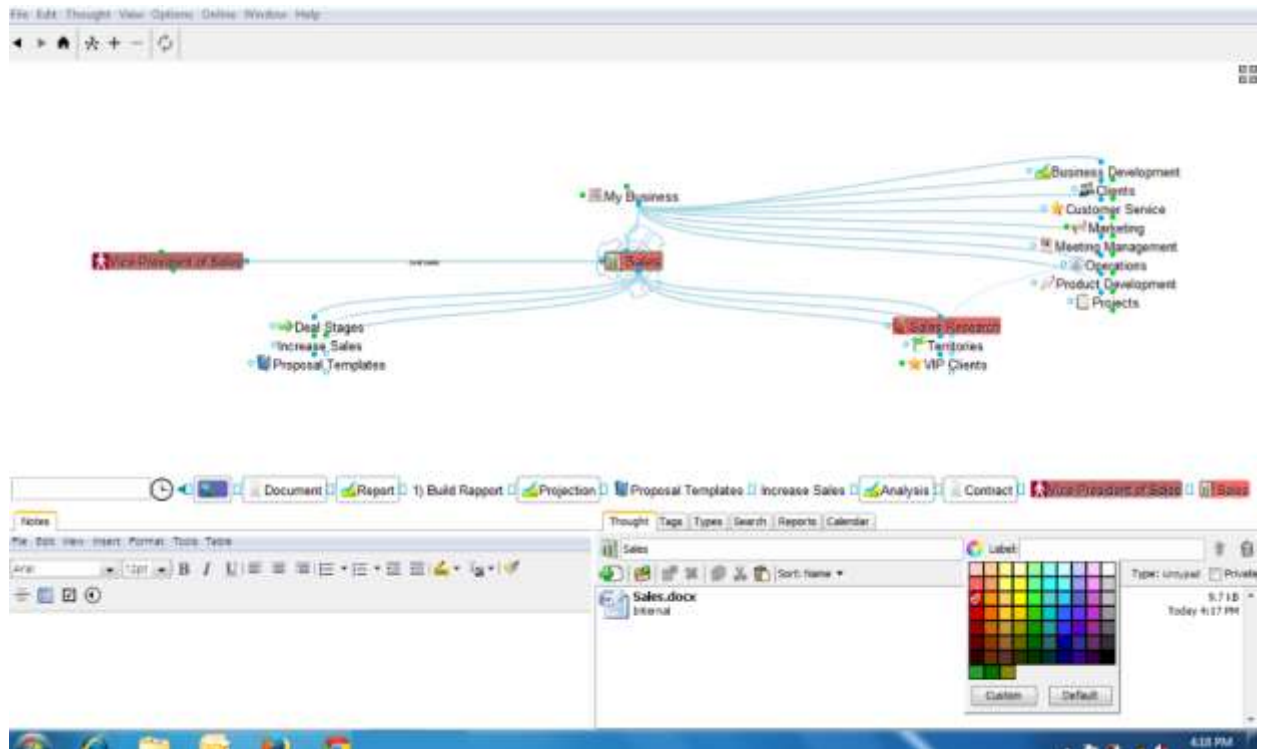


Figure 27: Color setups

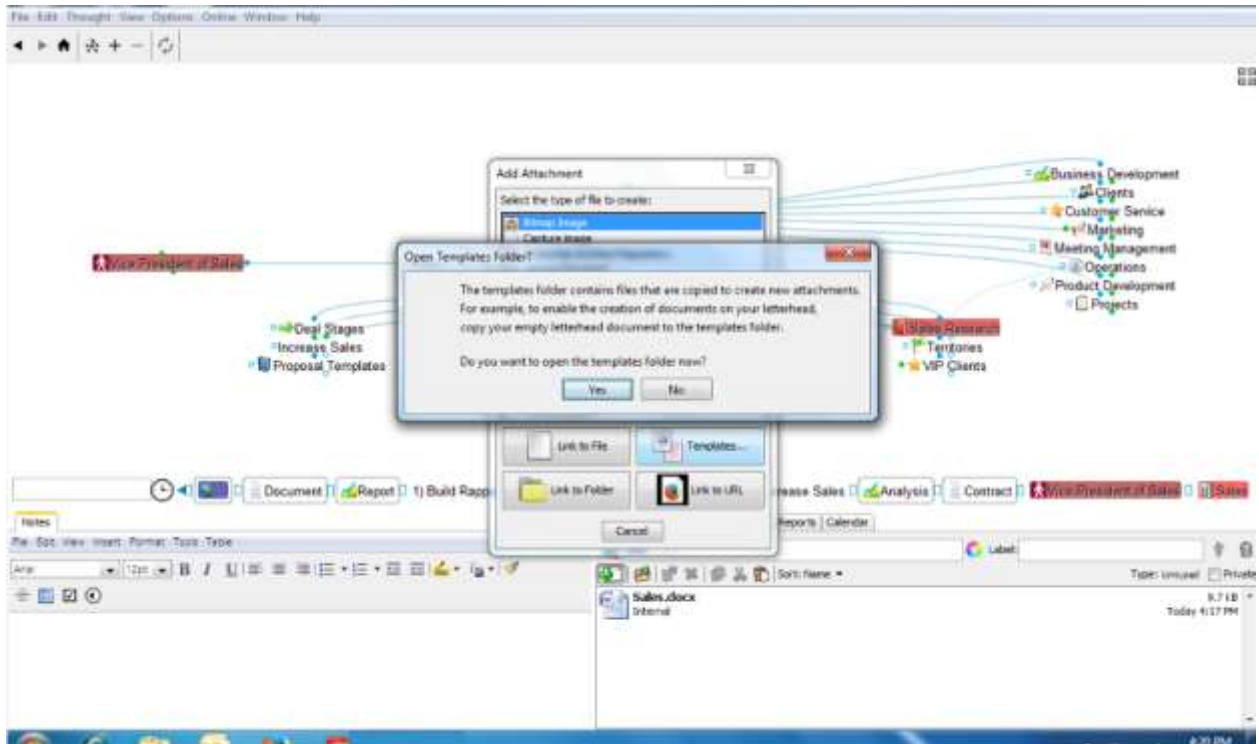


Figure 28: Template selection

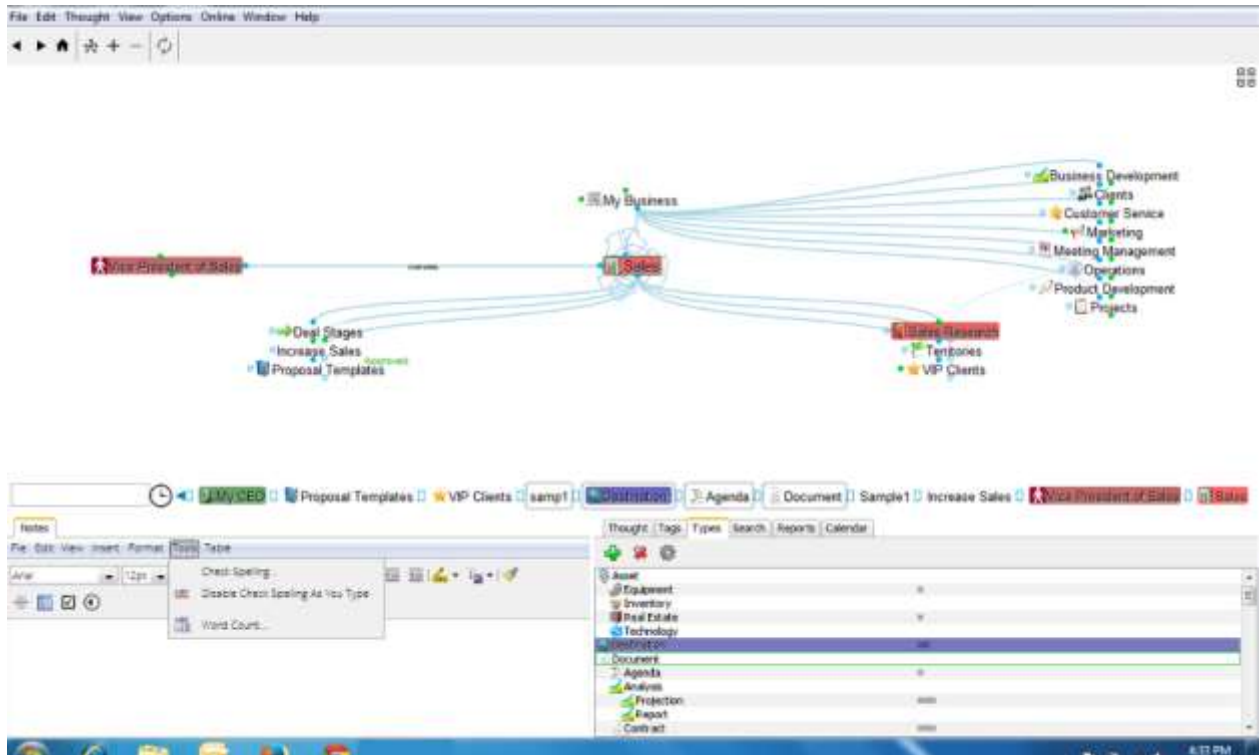


Figure 29: Documentation generation

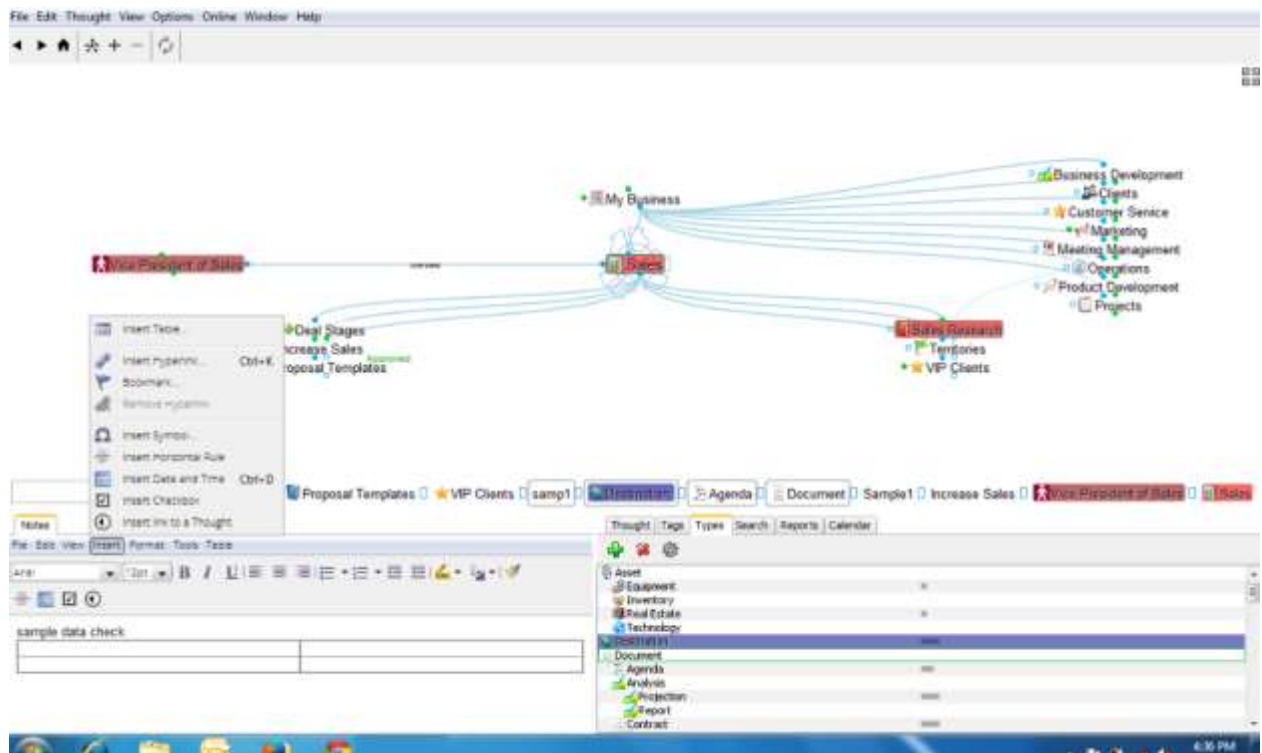


Figure 30: Insert considerations

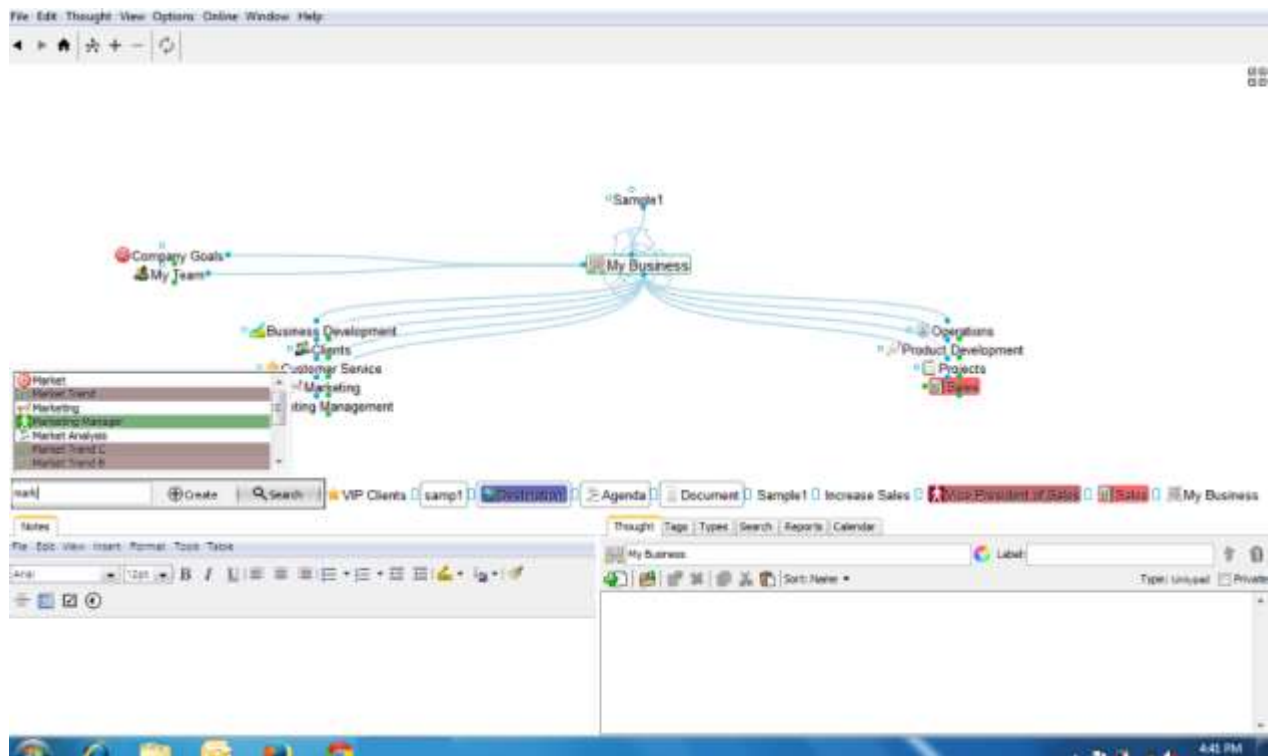


Figure 31: Pointing search

CHAPTER 7

SOFTWARE TESTING

SOFTWARE TESTING

Software testing is much important when the complicated processes are required to be implemented and checked so it will be done in a reference with proper understanding the reason why different types of testing department Associates and the developers will collaborate and will try to understand the differences that are required to be acknowledged for different types of testing process selection. All types of testing that will be performed will be documented also as we have to established the references with proper understanding.

Which type of reference that will be implemented is required to be acknowledged properly as we want that whatever requirements were asked has to be fulfilled when the final product is provided to the users. We will be using different types of techniques to undertake the testing process which will be undertaker. Software testing will be established to have detailed understanding and this will help to save the money which eventually has to be invested if any type of error is found in real-time workability by the clients which will be more expensive for a company.

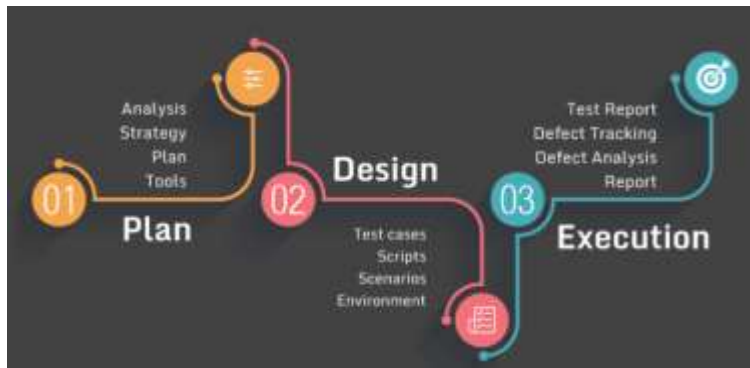


Figure 32

Design strategy is shown in the above figure

7.1 Unit testing

Unit references that are required established for understanding the accomplishment of the work will be performed so that proper output can be generated at the time of integration testing

Individually all types of relations in all types of note that have provided will be checked for the synchronization and for the information update

The design perception that have required to be incorporated will be checked with multiple variations of controlled regulations that will be added by the administrator so that it is supported in accordance

Each consideration of incorporation will be checked either it is based on users or it is based on different types of incorporated information system is included within the system is required to check for the accuracy

Will also undertake different types of resource usage individually and related synchronization and the related customization that is associated with that because different account will be having different reference of inclusions

7.2 White box testing

We will also perform the in depth white box testing which is directly associated with different types of codes that are written within the system and will be done usually by the associated software designers in software testing associate

Software testing requires a detailed knowledge about the working quotes that has been written as it will be associated with individual quotes that has to be acknowledged for detailed references

Software testing in the form of white box important when large set of codes is required to be checked

Test cases

Series	Test-cases	Test-Input provided	Results	Actual-result	Test Status	Severity
1	Admin	Added reference provided	Different admin options provided	Reference and design added	Pass	Critical
2	Teams setups	Different inputs added	Details saved	Teams provided with different conditions	Pass	Critical
3	Data security	Settings and space defined	Data acknowledged	Data security implemented	Pass	Critical
4	Task and process	Selective	View and designs undertaken	Multi options were able to be organized	Pass	Critical
5	View	Node design	Design support	View can be implemented with collaboration	Pass	Critical
6	Alerts	Automated	Alert generation	Alerts are processed	Pass	Critical

7	Outputs	Automated	Conditional outputs generated	Outputs seen	Pass	Critical
8	Reusability	Selective	Reference data saved and templates used	Modification is supported	Pass	Critical

CHAPTER 8

CONCLUSION

All the references and substance required for planning perception design associated within the system so that large projects can be undertaken with feasibility. All types of reference are utilized and check for the differential workability and that all substances are included. With the help of incorporation of the users the system is being utilized and we found that multiple relations will be supported so that incorporated working with proper Idea channel link can be supported. All types of quality information that is required to be incorporated are channel with more substantial platforms and we have utilized different types of information provisions to acknowledge the composition.

We also found that system provides a detailed document generation system where multiple options are included and each option is being utilized for the reference orientation and we found that it was much easier to establish the type of document required directly on the same frame. All types of data that is required to be projected is automatically synchronized and at any time the related reviews that has generated can be customized if the users are having the authority. We can also compose different types of prospective designing related to the process and complicated task at the same time as for a particular project it is required the different types of scenarios have to be discussed and have to be established.

Multiple references that have provided within the system to accommodate different types of styles is also very much useful for the workability enhancement. The phenomena understanding is much easier in the system as even the information that is drafted is provided in the real time reference making it more suitable for the uses to incorporate define planning and understanding.

CHAPTER 9

FUTURE ENHANCEMENT

Future enhancement is associated by giving more power and more features to the users so that they can perform more differences of work as it is required in the future. In the future as the users may consider more workability options it will be discussed and will be implemented. Important references that can be considered is listed as following-

Working templates can be added so that major process designing can be undertaken and can be directly utilized as examples

All types of customization that is required can be incorporated with direct popup information in the form of text

The copyright options can be added so any type of information required to be transferred can be copyrighted

APPENDIX A

BIBLIOGRAPHY

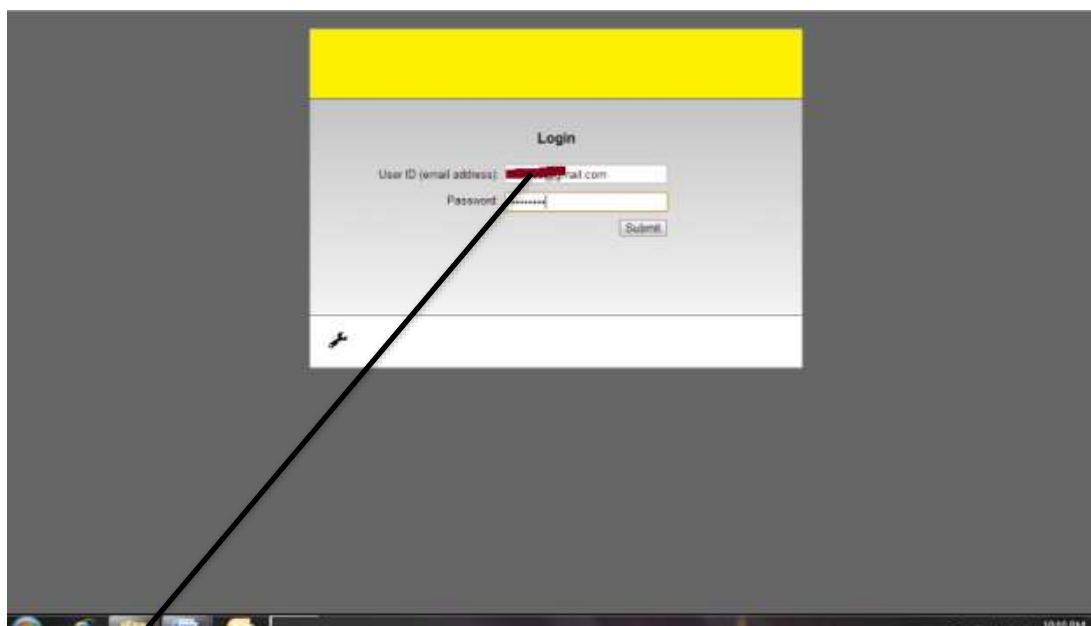
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- "Binstock, Andrew (May 20, 2015). "Java's 20 Years of Innovation". March 18, 2016.

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- www.microsoft.com
- www.google.com

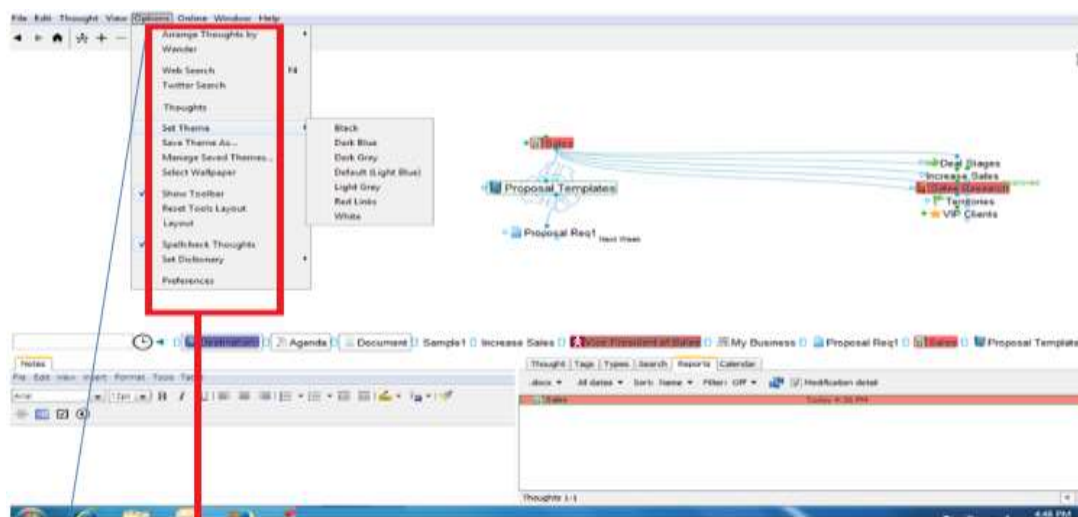
APPENDIX B

USER MANUAL



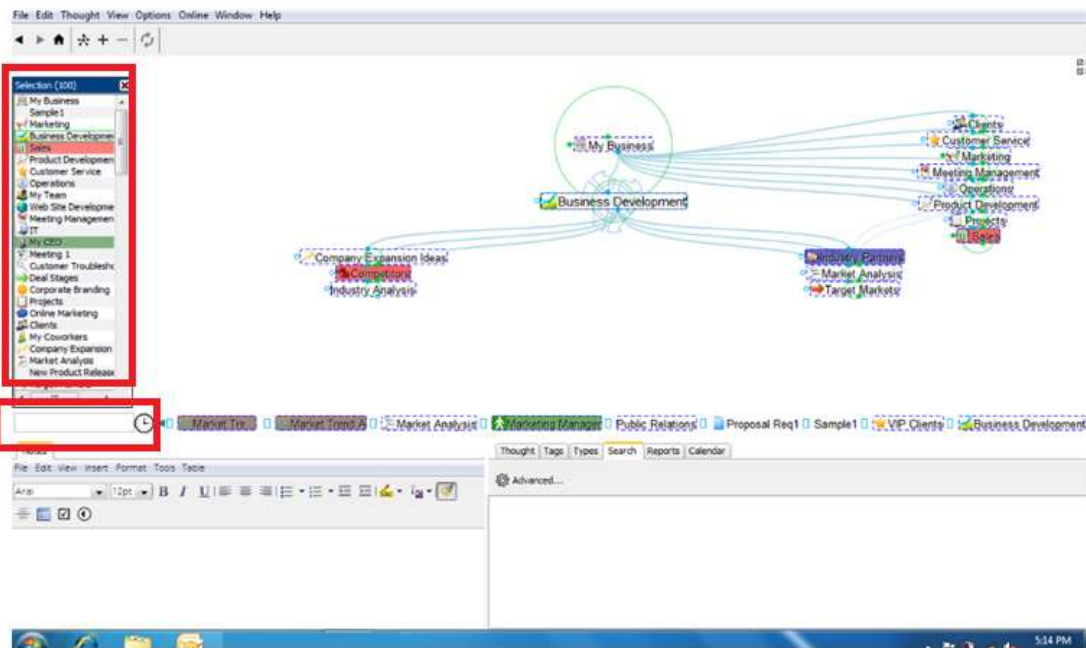
Login page

Figure 33



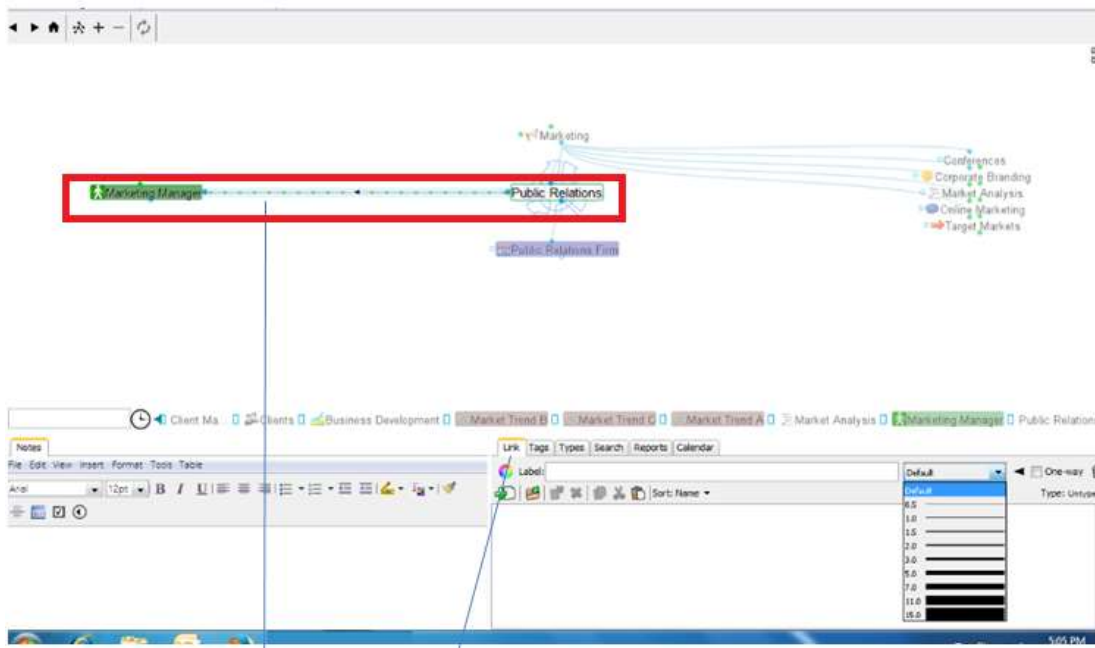
Providing options for different working references

Figure 34



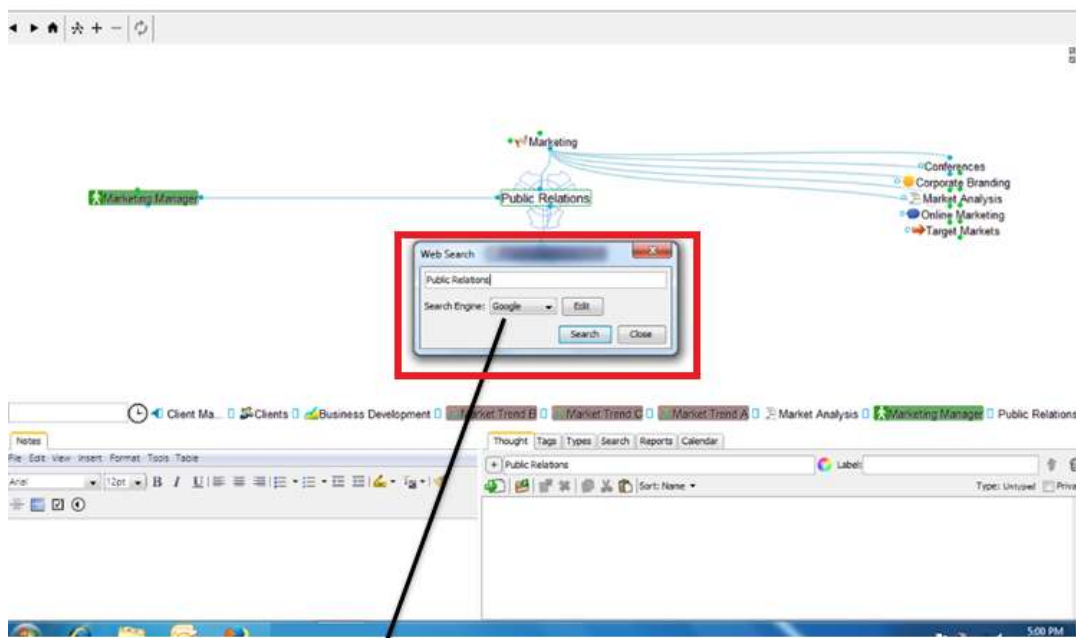
Data reference search from the detailed design components

Figure 35



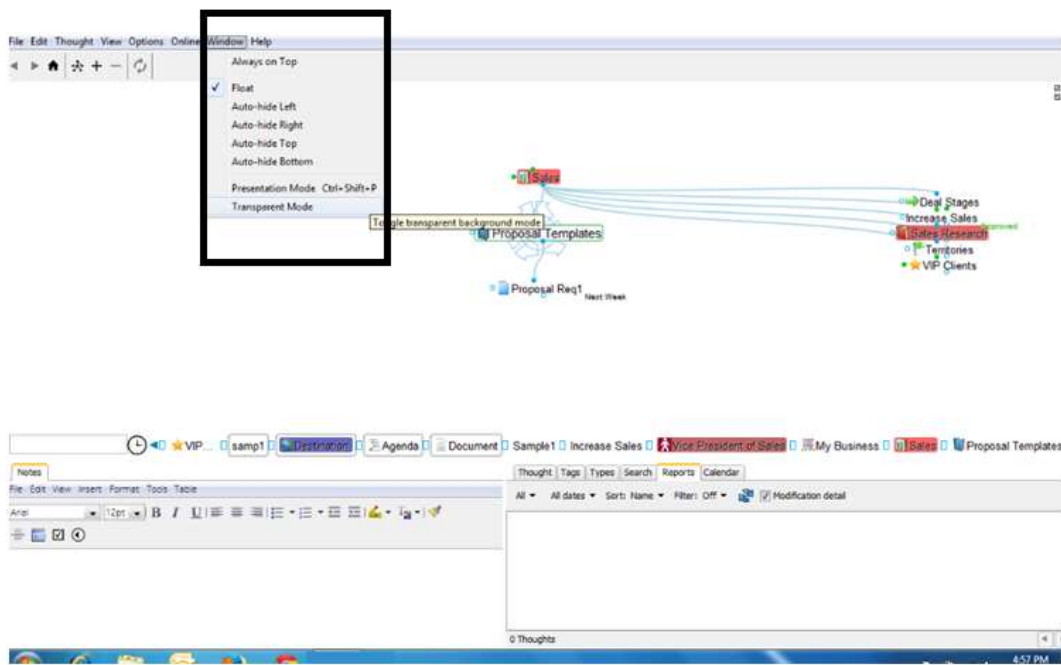
Defining relations between considerations (link)

Figure 36



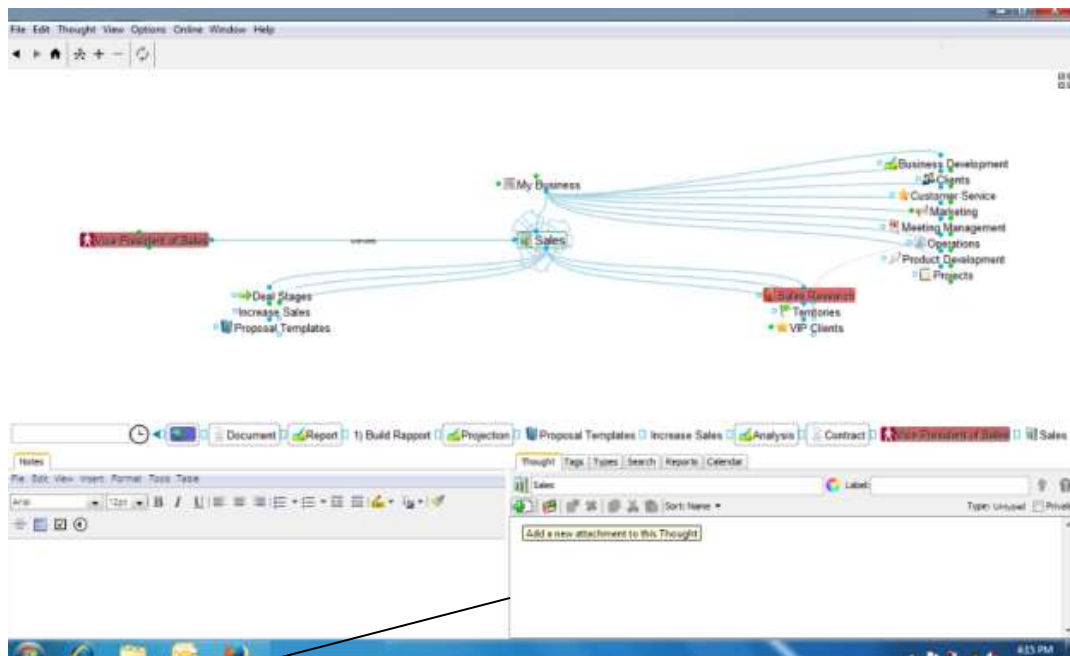
Platform searching with different reference of selections

Figure 37



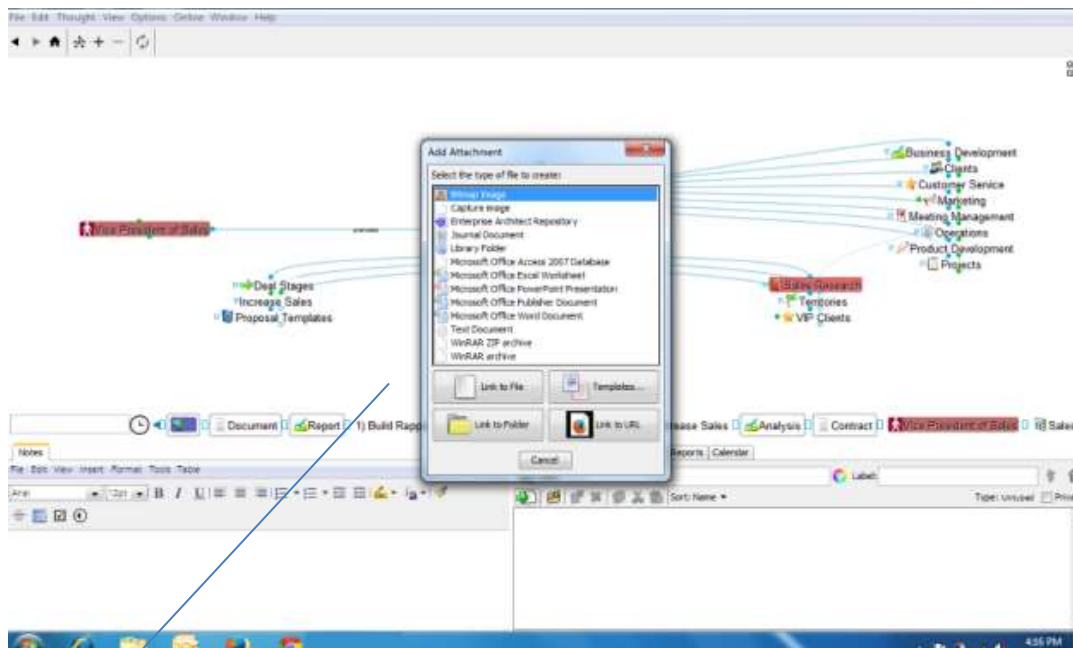
Window mode selections

Figure 38



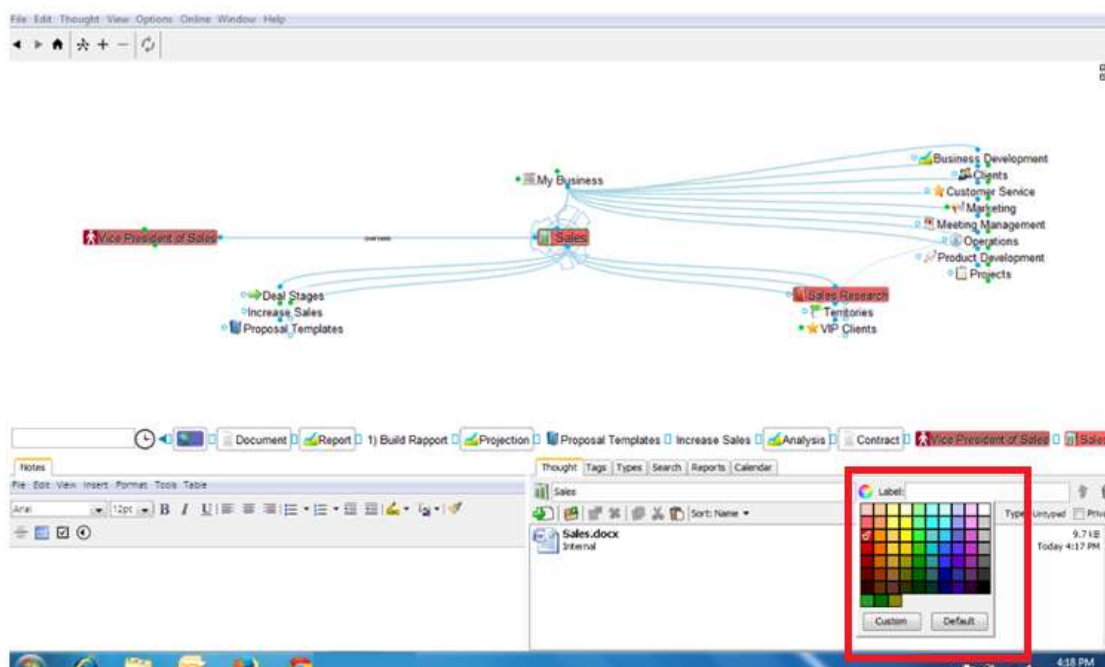
Data additions

Figure 39



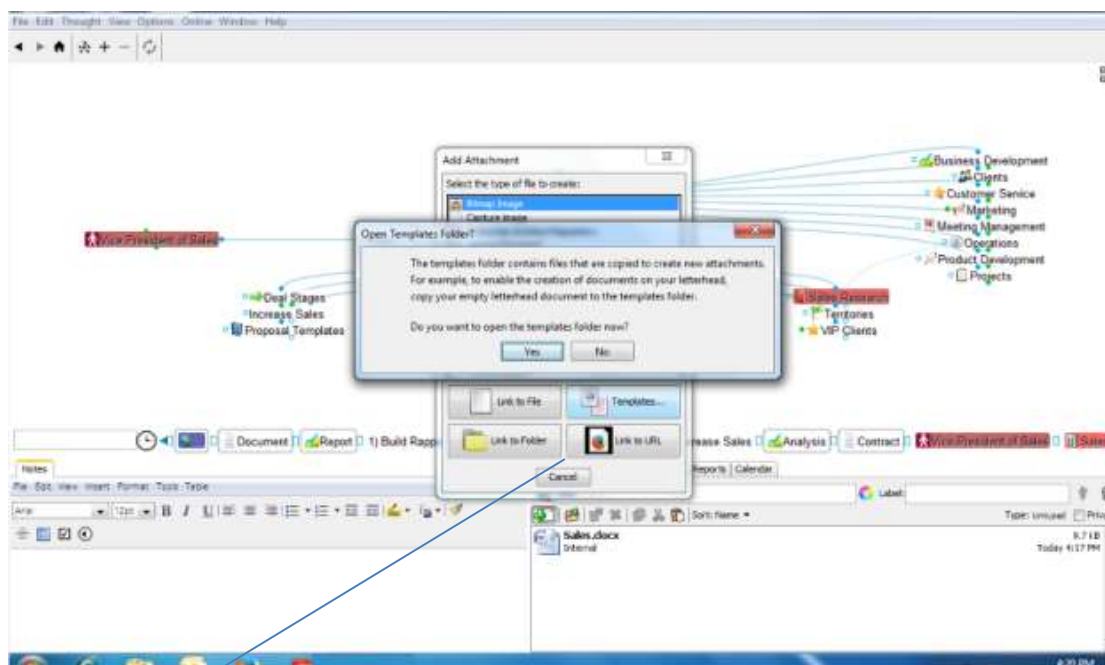
Type of selections shown

Figure 40



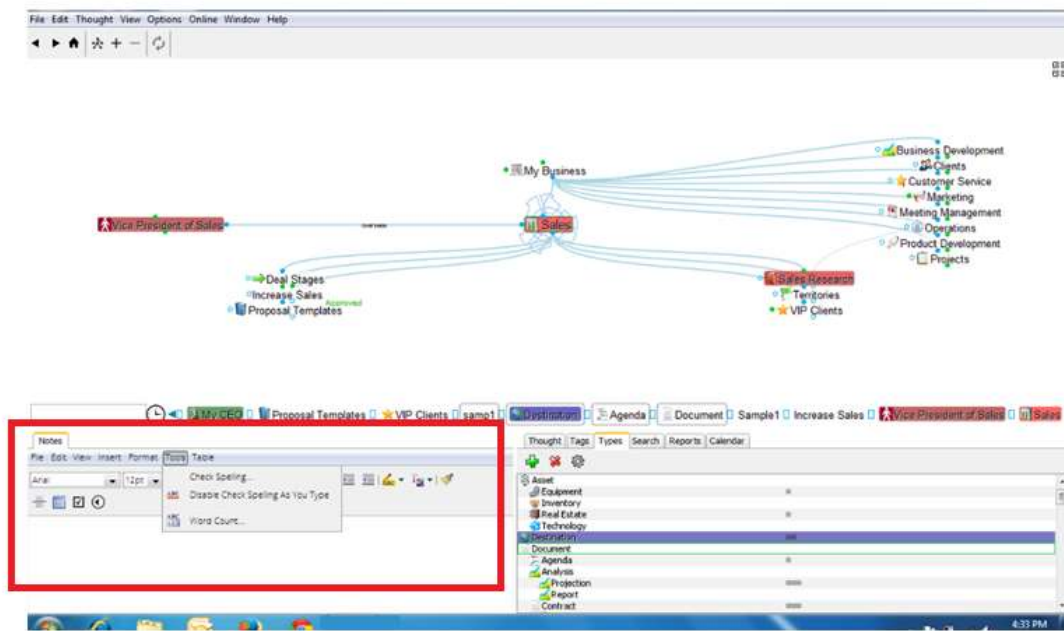
Color setups

Figure 41



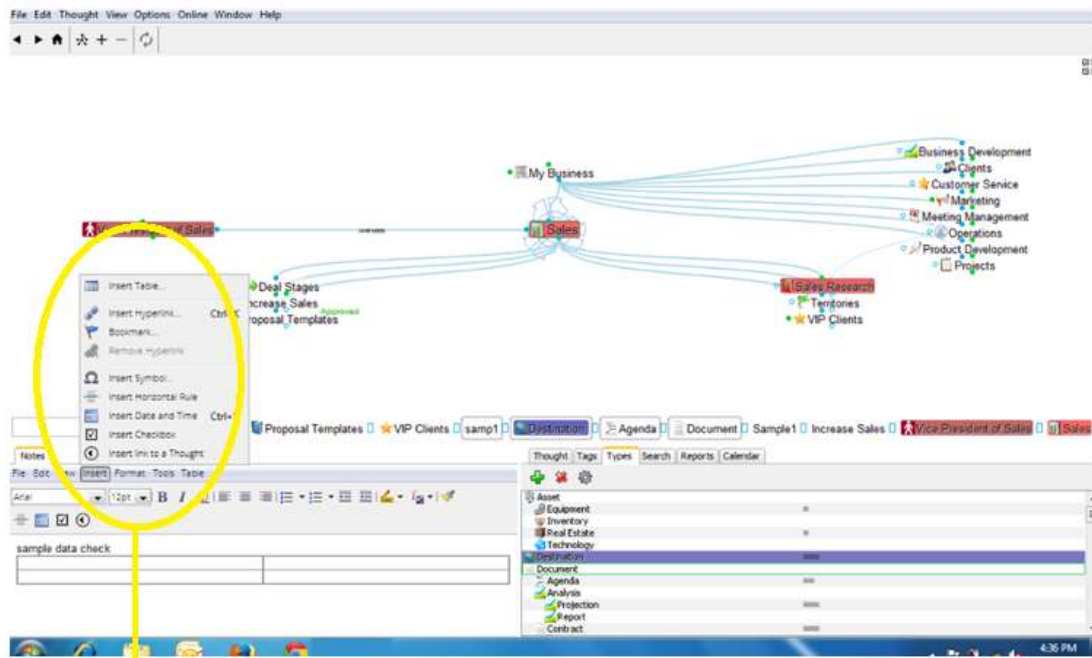
Template selection

Figure 42



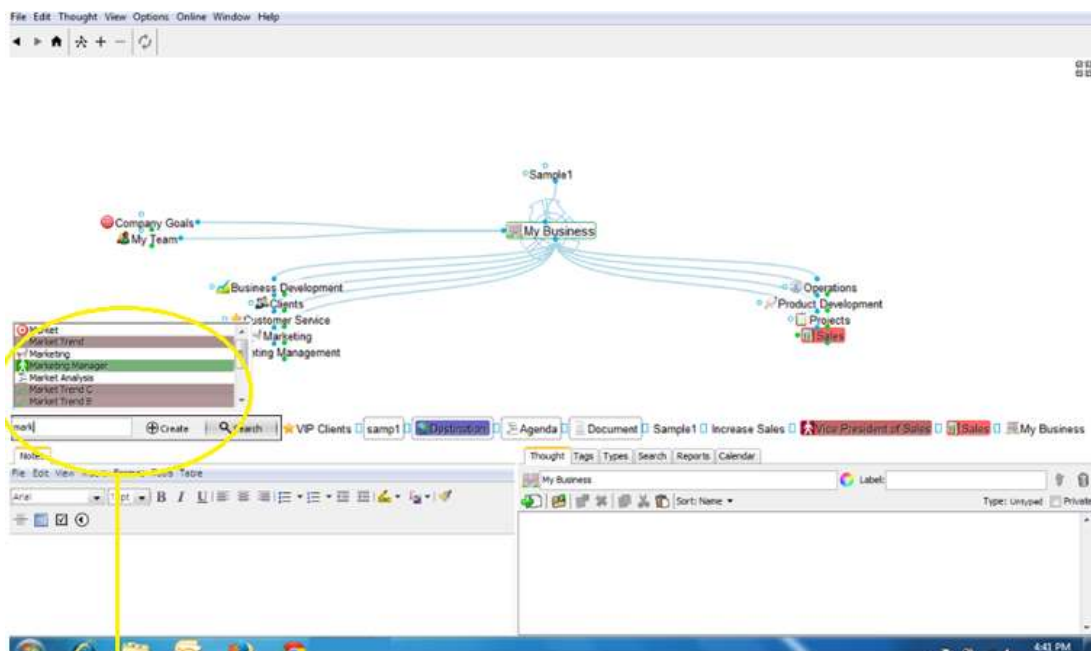
Documentation generation

Figure 43



Insert considerations

Figure 44



Pointing search

Figure 45