

A project report on

Integrated Medians With Sync Techniques

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

MASTER OF COMPUTER APPLICATIONS Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

NAVYA G.M

1CR18MCA78



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

A project report on

Integrated Medians With Sync Techniques

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

MASTER OF COMPUTER APPLICATIONS Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

NAVYA G.M

1CR18MCA78



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

A project report on

Integrated Medians With Sync Techniques

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

MASTER OF COMPUTER APPLICATIONS

of
Visvesvaraya Technological University
Belgaum, Karnataka

By

NAVYA G.M

1CR18MCA78

Under the guidance of

Internal Guide

Dr. Helen Josephine.V.L

Associate Professor,
MCA Department
CMR institute Institute of Technology
Bangalore

External Guide

Mr. Ajay Kumar, Project Lead

Global Inquest Corporation
Bangalore



CMR INSTITUTE OF TECHNOLOGY

132, IT Park Road, Kundalahalli, Bangalore-560037

2019-2020

CMR INSTITUTE OF TECHNOLOGY

Department of Master of Computer Applications

Bangalore - 560 037



CERTIFICATE

This is to certify that the project work entitled

Integrated Medians With Sync Techniques

*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*

NAVYA G.M

1CR18MCA78

during the academic year 2019-2020.

Signature of the Guide

Dr. Helen Josephine.V.L

Associate Professor,
MCA Dept.

Signature of the HOD

Ms. Gomathi.T

HOD, MCA

Signature of the Principal

Dr. Sanjay Jain

PRINCIPAL, CMRIT

External Viva

Name of the Examiners

- 1.
- 2.

Signature with date



Global Inquest Corporation

Real time asset tracking

CERTIFICATE

This is to certify that the project titled "Integrated medians with sync techniques" is submitted to global inquest corporation in fulfillment of the requirement for the final semester degree of MCA from CMR Institute Of Technology, Bengaluru, Bangalore.

The project is a bona fide record at work carried out by Miss. Navya G M (1CR18MCA78) under the supervision and guidance of Mr. Ajay, Project Lead global inquest corporation, Bangalore between the periods from 23-12-2019 to 29-5-2020. 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,

Richa

GLOBAL INQUEST

Miss. Richa 68/2, Agrahara Road
Human Resource Bellandur, Bangalore-560 103

68/2 Agrahara Road
Bellandur
Bangalore-560103
www.globalinquestcorp.com
Contact-+919686682186
Mail-info@globalinquestcorp.com

DECLARATION

I, **NAVYA G.M**, student of 6th MCA, **CMR Institute of Technology**, bearing the USN **1CR18MCA78**, hereby declare that the project entitled “**Integrated Medians With Sync Techniques**” has been carried out by me under the supervision of External Guide **Mr. Ajay Kumar**, Project Lead, and Internal Guide **Dr. Helen Josephine.V.L, 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

Navya G.m

Date:

(1CR18MCA78)

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. Ajay Kumar ,Project Lead, Global Inquest Pvt. Ltd., Bangalore, and to my Internal Project guide Dr Helen Josephine.V.L, 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. Ajay Kumar, Project Lead, Global Inquest Corporation, 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.

NAVYA G.M

(1CR18MCA78)

Plagiarism report

navya

ORIGINALITY REPORT

4%

SIMILARITY INDEX

3%

INTERNET SOURCES

1%

PUBLICATIONS

4%

STUDENT PAPERS

PRIMARY SOURCES

1	digital.library.unt.edu Internet Source	1%
2	Submitted to Siddaganga Institute of Technology Student Paper	1%
3	Submitted to Ibra College of Technology Student Paper	<1%
4	slideplayer.com Internet Source	<1%
5	Submitted to Kaiser High School Student Paper	<1%
6	Submitted to University of Stellenbosch, South Africa Student Paper	<1%
7	rd.springer.com Internet Source	<1%
8	Submitted to Visvesvaraya Technological University Student Paper	<1%
9	srikanthtechnologies.com Internet Source	<1%
10	Submitted to Middlesex University Student Paper	<1%
11	www.essaysauce.com Internet Source	<1%
12	Submitted to Laureate Higher Education Group Student Paper	<1%
13	Submitted to SASTRA University Student Paper	<1%
14	Submitted to University of Greenwich Student Paper	<1%

Exclude quotes

Off

Exclude matches

Off

S.NO.	Contents	Page No.
1.	Introduction	
	1.1 Project Description	1
	1.2 Company Profile	4
2.	Literature Survey	
	2.1 Existing System and Proposed System	6
	2.2 Feasibility Study	7
	2.3 Tools and Technologies Used	8
	2.4 Hardware and Software Requirements	10
3.	Software Requirement Specification	
	3.1 Functional Requirements	11
	3.2 Non- Functional Requirements	12
4.	System Design	
	4.1 System Perspective	13
	4.2 Context Diagram	14
	4.2.1 Data flow diagram Level1	15
	4.2.2 Data flow diagram Level1	16
5.	Detailed Design	
	5.1 Use Case Diagrams	17
	5.1.2 Use Case Diagram .	18
	5.2 Sequence Diagrams	20

	5.2.1 Sequence Diagram for admin	20
	5.2.2 Sequence Diagram for user	21
	5.3 Activity Diagrams	22
	5.3.1 Activity Diagram for admin	22
	5.3.2 Activity Diagram for user	23
	5.4 ER Diagrams	24
	5.4.2 ER Diagram for Medians	25
6.	Implementation	
	6.1 Screen Shots	30
7.	Software Testing	39
8.	Conclusion	44
9.	Future Enhancements	45
10.	Bibliography	46
11.	User Manual	47-51

1. INTRODUCTION

1.1 PROJECT DESCRIPTION

Systematic business intelligence provisions and the proficiency Optimization provisions are included so that the organizations can have multiple reference of workability with proper customization. The system is intended for the residential reflex automation which is required when multiple types of clients worldwide is needed to be referenced by the organizations in terms of collaboration and communicative activity. References of the activities that are required to be acknowledged will be helpful in terms of reference optimization so system is included with various types of activities based on optimization so the system can be utilized even for the competitive advantage by including various types of techniques for example the crusades. The system provides a target based acknowledgement of working where multiple types of global clients and new leads can be targeted.

The system provides a central mechanism where any type of preferential activities can be performed based on optimal consideration with Global identification. The system also includes a automated references of catalogue generation and in terms of the proposal generations any type of business identity is required to be associated with presentation of in terms of communication can be achieved. Types of documentation that are required to be generated in terms of the proposal and catalogue will be undertaken with the help of the system structuring method. System will design the references automatically based on standard design format that is associated.

Multiple types of consideration that are required in terms of complex pricing provisions when these documents are required to be generated is also associated. Multiple types of conditional working will be supported so that any type of references of conditions required to be implemented while undertaking different types of automated activities and different types of referential activities can be now performed. The references of optimization will be also provided with simultaneous working so different control aspects can be included and different types of endorsement activities can be performed randomly. The system also provides the reflex communication with automation guidelines which will be very much helpful as different types of automated activities can be properly automated and the different consideration can be achieved.

The system also helps the users for different types of cost analysis provision where different types of cost related calculations are required to be included but with the help of the system according

to the base guidelines that are included by the use us the related Cost Analysis will be performed and even if the knowledge is undertaken by the company manually also the related calculations can be performed. Multiple types of query relations with provided where any type of conceptual working that is required can be organized so we can say that when various types of tasks based on communications are supposed to be arranged the system can revert and relate the workability with real time consideration.

Multiple aspects of report is also provided and is accessible in terms of the required authentication provided so any person who is authenticated to reference the data in terms of statistics and force can fetch the information with the help of multiple categorical reports provided within the system. Establishing different types of publishing support is also provided where the content designing based on multiple techniques will be associated. Multiple types of references based on designing are provided so that reflects can be design and can be even reflected on multiple channels at a time. When the reflex is undertaken the tracking provisions are also provided so that the organizations can have a defined understanding about the usage of the Systematic implementation or we can say that after implementation the working can be tracked. Consolidated information provision is also provided with real-time updates and with real time synchronization where the users are free to Define Multiple working repositories. The consideration endorsements and automation activities that are included within the system will provide more options of reflection representations to the organization and even provides a central system for the needful consideration that has to be established for performing different types of business workability.

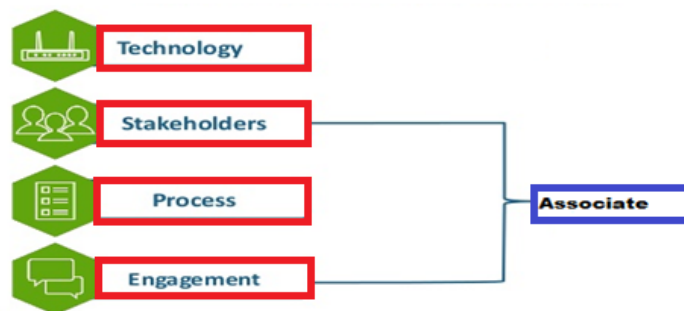


Fig 1.1- Details of associations are shown in the above figure

Real time communication facilities between the organization and the related clients on a global scale is also provided and even the setups for the detailed activity provisions are included which has to be done by the administrator for redefining the requirement. The system is also incorporated

with competitive analysis and other professional technological resources that are needed so the administrator will be provided with a write that they can acknowledge the type of resources their required for the working.

1.2 COMPANY PROFILE

Global Inquest Corporation



Profile

The framework incorporates improved arrangement and system usage that must be situated for all around characterized organizing and customer needs discernment. Efficient directing of the work with the arranged philosophy and Standards will have ideal working contemplations for the clients. For high advantages and affiliations different ability and Technology related work flawlessness is given to the customers. Worldwide discernment with various work direction is given by the association so an appropriate advantage diverting can be given as far as the administrations and redid working. The organization is into numerous views of market direction and new item advancement vital plan where different kinds of association will be focused on.



Fig 1.2- Product Development phases

The key definition will be all around characterized with the assistance of the examination situated groups that will be related with multistage working and bolster that is required by the customers. Different Technology consolidated stage configuration has been given to fuse worldwide working consumptions for increasingly characterized understanding and working with cost adequacy. We help our customers to make custom programming applications and help them all through the entire programming development Life Cycle, including wander affiliation, structures assessment and graph, change, execution, getting ready and application upkeep.

A part of the major regions of working-

- Programming change
- Introduced structure
- Plan and system
- Implementation and Integration of RFID
- Process re-planning
- Practical evaluation

2. LITERATURE SURVEY

2.1 EXISTING SYSTEM

Considerations of automation and different endorsements and different types of proficiency optimization is quite difficult because we have seen that companies are facing lots of problem to implement the above references which is quite important for the business in the modern scenario. Multiple types of problems are faced in terms of mathematical calculation and analytical understanding also where again integrated expertise peoples are required to perform the activities. In the existing system the related endorsement and business operations are required to be managed on different types of environment setup making it quite difficult for the optimization activities to be controlled.

We have outlined some other problems as following-

- Multiple types of competitive advancement reflex that is needed by the organizations are required to be managed individually in terms of global references which makes the working expensive
- In the existing system even the content reflects provisions designing and the related implementation provisions and the related tracking system is not supported from a single reference and each consideration is required has to be evenly managed
- Currently in existing system also the references of the proposals and quotations design references acknowledged in individual references and all the related stages are managed with the assistance of enormous types of tools
- In the existing system the methodologies are required to be organized manually and does not support automatic calculator provisions so it is time taking and require expert performed activities related to mathematics
- In the existing system even the integrated support based on platforms and channels are quite difficult based on compatibility references show the companies are facing lots of problem in terms of integration and usage of other third party platform
- The requirements of the resources needed for the reviews of competitive information and other references of the implementations that has been conducted for the optimization is also quite difficult to be achieve because different types of schools are needed
- Information access is also pretty hard in their time in the present scenario based on tracking and accessibility understanding
- Multiple types of data security problems are also acknowledged

2.1 PROPOSED SYSTEM

Intelligence is needed to understand different types of related information and to communicate with the business identities so that detailed acknowledgement of the work can be established, so the system is being designed for many types of technological based working and for distinct types of associations that can be done through a global platform based on the service. The systematic working that is provided within the system will help users to acknowledge they work with more apprehension outputs. The system is sketched by having all the provisions that we have already exchanged words based on communications and automations in the existing system.

Important references that are needed to be associated with the proposed system is listed as following-

- All types of advancements related to the reflex for the global references provide it within the propose system so multiple types of mechanism required for integrated endorsement can be performed at a time which is quite important
- Multiple types of content designed for the reflex and different types of implementation procedures and different types of tracking references are included on a single system making it very much flexible
- Various types of proposals and quotation references are included in the proposed system so that any type of related communication which is required to be achieved with proper documentation can be done from a single oriented system various types of automated design formations and even the manual design formations are included
- The calculations letter required to be referenced in terms of complex pricing and in terms of cost analysis perceptions can be automatically included by the system when the variations of inputs are provided even the manual calculation support is provided
- Integrated platform support is provided within the system which can be utilized for different types of integrated publishing and even for dissimilar types of automated reflex system to work
- The requirements of the resources that are required to be achieved when different types of related work abilities performed for example we have to know the related competitive information for a particular competitive it can be done or if any type of regression analytics is required to be performed it will be also supported
- Information access with the help of the reports is provided in the proposed system

Multiple types of data repository options are also included

2.2 FEASIBILITY STUDY

The practical information about the system is required to be generated so when we are defining a new system we should first understand that how the relational workability is provided and how the system will satisfy all types of new requirements that have to be associated with in the development so we will be doing a feasibility study first. The feasibility understanding is needed in terms of the resources that are required and even we have to outline the related conditions of the economic factors that will have an effect on the design. Even the operations are required to be properly drafted.

Technical feasibility

Operational feasibility

Economic feasibility

2.2.1 TECHNICAL FEASIBILITY

The technical references that are required based on different types of automation features which is included in terms of the quotations and proposals generations and even in terms of the related Global Communications will be checked for the accessibility and working based on rules

The references that are required to be related in different considerations of of the standardization will be checked with the referential usage because the mechanism should provide huge types of mechanism for the related working preferences that the companies can perform based on endorsements and other operations

All the users that are associated with the development will be provided with the integrated accessibility and will use the environment with all allocated resources All types of references of working will be guided by the team managers

2.2.2 OPERATIONAL FEASIBILITY

We have to understand the operational feasibility because we want that in real time the system properly and should reference all types of working details

The usability of the system will be properly outlined and will be provided to the users so that they can utilize the system in more accurate format

Conditional training will be provided to the users on in-house provision so that more understanding can be achieved

The references of workability will be also provided in the format of documentation

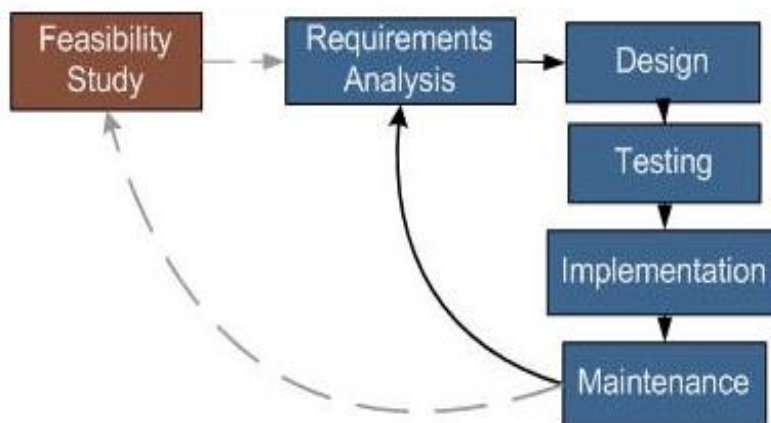


Fig 2.1 - The above figure shows feasibility study structuring

2.2.3 ECONOMIC FEASIBILITY

All conditions that can be faced by the company and the related money problem has to be properly outlined

The financial department will check that how the investment will be performed in our case Angel investors and the board of directors will be providing the funding

All varieties of money necessities in different stages will be properly calculated so that we will be having a proper understanding that how much money is needed

2.3 TOOLS AND TECHNOLOGY



Java Programming Language

Java is a widely known programming language, established in 1995.

It is used for:

- Web app's
- Application and web servers
- Mobile applications
- Desktop applications
- Database connection
- Games

MySQL

- Structured query language is a database system used on the web
- MySQL uses standard SQL
- MySQL compiles on many number of platforms
- It is free to download and use
- And it is developed, distributed, and supported by Oracle Corporation
- Also it is a database system that runs on a server
- Structured query language is efficient on both small and large applications
- It is very fast, reliable, and easy to use

2.4 INSTALLING NETBEANS

1. Go to the link: <https://netbeans.apache.org/download/.html>.
2. Net beans IDE has an easy layout structure with limited numbers of buttons.
3. Click on File -New Project - Select the “Java” category and “Java Application” projects.
4. Select next and Name our first project-
5. Click on “Finish” and you are set to go-
6. Our Java source file will be created and opened.

2.5 HARDWARE AND SOFTWARE REQUIREMENTS

Software requirements

Databases

MySQL 8.0.13

Technology

Hybrid cloud Computing

Platforms

Windows version

Languages

JAVA (J2EE, JavaScript, JSP)

IDE

Eclipse or Net Beans

Supporting Server

Apache Tomcat Server, SSD cloud, Amazon s3

Hardware requirements

- processor : Intel core i3 4th gen
- CPU Clock speed : 1.7 GHz
- Hard Disk Space : 250 GB
- RAM : 2 GB

3. SRS

Users

Administrator

The administrator will consider the work aspects that are needed to be established and all these work aspects will be in relation to the understanding of different types of activities so to structure the system administrator has to provide all working references

Associates

Associate are the users of the system those who can be the employees for those who can be the related clients of the company those who will be added to the system for different references of activities

Objective and Scope

The area of the system is that predefined activities with automation can be achieved and even multiple types of Identity based endorsement activities can also be performed on a global scale with only one system

The main aim of the system is to give different types of references to the users and according to the requirements the considerations can be achieved so we can say that any work that is required to be related can be properly organized in a selective mode

Assumptions and dependencies

The related assumption of the system is that properly the related activities for the automation and business intelligence has to be drafted by the users

The related dependency of the system is that every activity will be formed from the system only so all types of consideration of collaboration in endothermic references will be done through the single system

Problem statement

The problem statement references are in relation to the intelligent system that has to be generated in such a way that different types of endorsement activities and calculating activities and all considerations of Communications can be achieved so the preferences of difference between different account has to be properly established

Real-time provision is also required to be at knowledge because we require that all perceptions of working should be in real time in the system

3.1 FUNCTIONAL REQUIREMENTS

Functional requirements are related to the features and we have to discuss the features because we require that proper workability based on triggers can be performed by the system so we will be having all types of descriptive tables that will be generated to get the acknowledgement properly

Administrative Services

Use Case Name	Administrative Services
Trigger	Detail selections
Precondition	Admin control required
Process	Administrative Services are provided with the help of administrative will select the type of activities that are required to be included so many type of resources are required to be added to the selected whereas at the same format huge types of user consideration will have be taken and different types of automation reflect systems that are required to be included will be also selected. Various types of conditional work will be supported so that the administrator will have a control on the working
Post-condition	Reference provided

Analytical resources

Use Case Name	analytical resources
Trigger	Selective
Precondition	Authentication needed
Process	<p>The inclusion of different types of analytical resources are provided in with the help of the information referencing tools the companies can acknowledge different types of information which is helpful for planning.</p> <p>Different types of tools will be used in different perception so when a particular tool is selected the related workability reference will be provided and accordingly the commencement activity has to be related.</p> <p>Real time information will be processed and will be provided to the uses for the working</p>
Post-condition	Details of access see

Conditional setups

Use Case Name	Conditional setups
Trigger	Selective and inputs
Precondition	Authentication required
Process	<p>Conditional setups for the integrated communication provided this will be done in such a way that in the real-time references multi-activity can take place with the help of different types of conditional status which will help to reduce the work of required workforce.</p> <p>The system will provide a detailed setup revision where all types of settings for the conditional usage and criteria usage will be provided. Conditional setups are provided so that multi-reference workability for the scenarios which has to be achieved can be done by the users.</p> <p>The system will be molded and all types of relational rules and regulations will be save</p>

	as any type of reference will be modified and it will be implemented in the same way.
Post-condition	Conditions added
Mathematical calculation	
Use Case Name	Mathematical calculation
Trigger	Selective
Precondition	Working reference provided
Process	<p>Mathematical calculation references are also included which will be utilized in a way that if required manual considerations can be achieved for required the automation references of the detailed reports will be prepared by the system.</p> <p>Multiple types of report generation will be supported in this will be done with different types of synchronized working.</p> <p>Detail report conversions can be acknowledged</p>
Post-condition	Reports generated

Proposals and quotation

Use Case Name	proposals and quotation
Trigger	Settings
Precondition	Authentication required
Process	<p>The automation based on the quotations and proposal systems are also included where different types of content generations and other types of automated working provisions are acknowledged with the help of which the references can be properly established. System provides all standard working based on proposals and quotation generation.</p> <p>For managing the Global instances of the business a proper citation based reference of conversation is needed which will be provided in assembly of different types of functionality and accordingly the status and workability can be defined.</p>
Post-condition	Details added and generation seen

3.2 NON FUNCTIONAL REQUIREMENTS

The non functional perspective of the mechanism is based on the considerations of working quality that has to be maintained so the user should be provided with proper adaptability system the user should be provided with better mechanism of security and other considerations of understandability

Understandability

Proper documentations will be provided to the users so that accomplishment of the activities can be performed so we will be making a document which will deal with different types of examples in terms of the quotations and other endorsement activity. Multiple aspects can be understood.

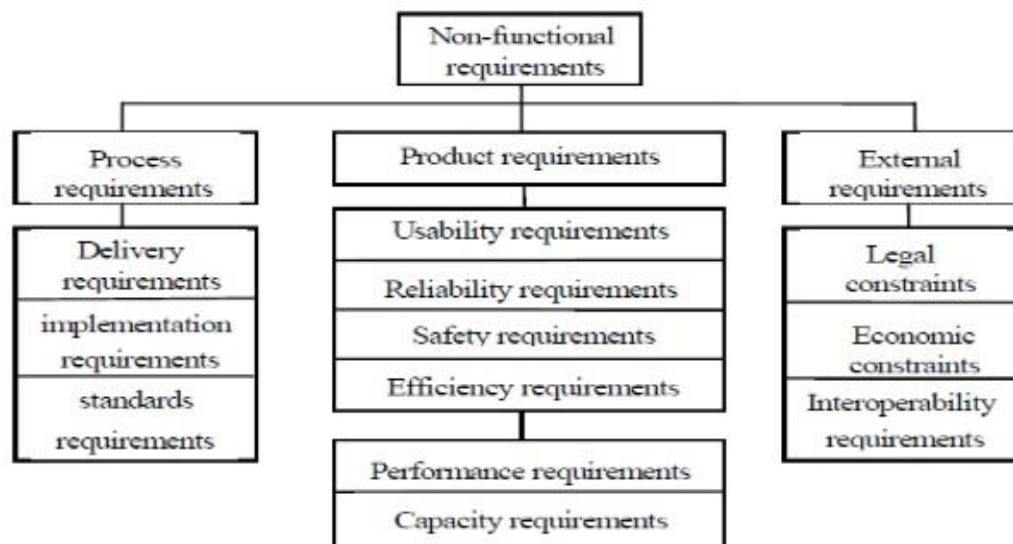


Fig 3.1 - Details of non_functional requirements shown in diagram above

Adaptability

It provides various types of working references in should be adaptable as we require that conditional status when organized by the system should be reflected. The users can utilize the system in different considerations of Automations and other activity references which is based on the proposals in Communications. The uses for select that what references of activities they want to perform and even the regulations will be added

Security

The security considerations are important to be established so when different types of integrations will be performed and when different references of accessibility for defining different types of activities are included justice system will provide multiple techniques of security based on encryption and accessibility references

Scalability

The system will be also available as we require that any type of work requirements that has to be established can be properly identified within the system and there should be no provision of compatibility issues and the related data management issues

Legal

Legal consideration for important because we have to know that how the system users will be incorporating the activities within the system and accordingly multiple types of clauses will be defined and will be proposed. All types of legal considerations will be acknowledged with proper information reflects that is required so that understanding can be achieved

4. SYSTEM DESIGN

4.1 CONTEXT DIAGRAM

To have the reference of the information flow between the external identities and the system with design the context diagram and even the context diagram sometimes is called 0 level dfd where clarifying the borders of the software domainis under taken

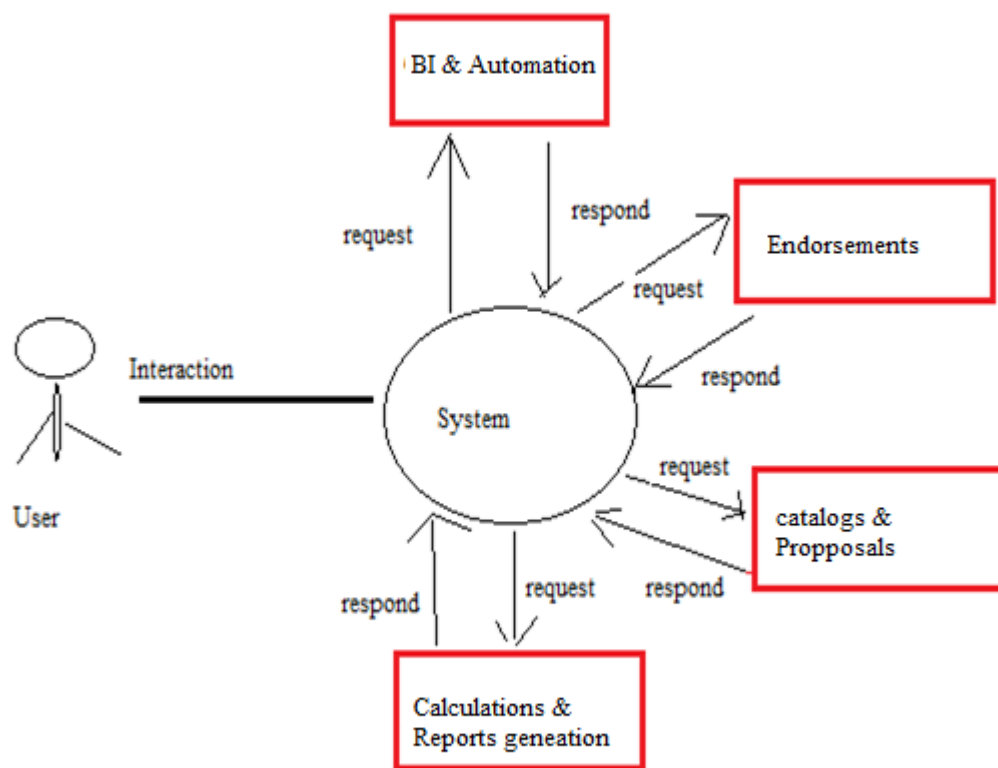


Fig 4.1.1 - Context Diagram

4.2 DATA-FLOW DIAGRAM

Data-Flow-diagram is depicted with the support of many types of symbols to represent the processes and flows based on functions database input output and flows

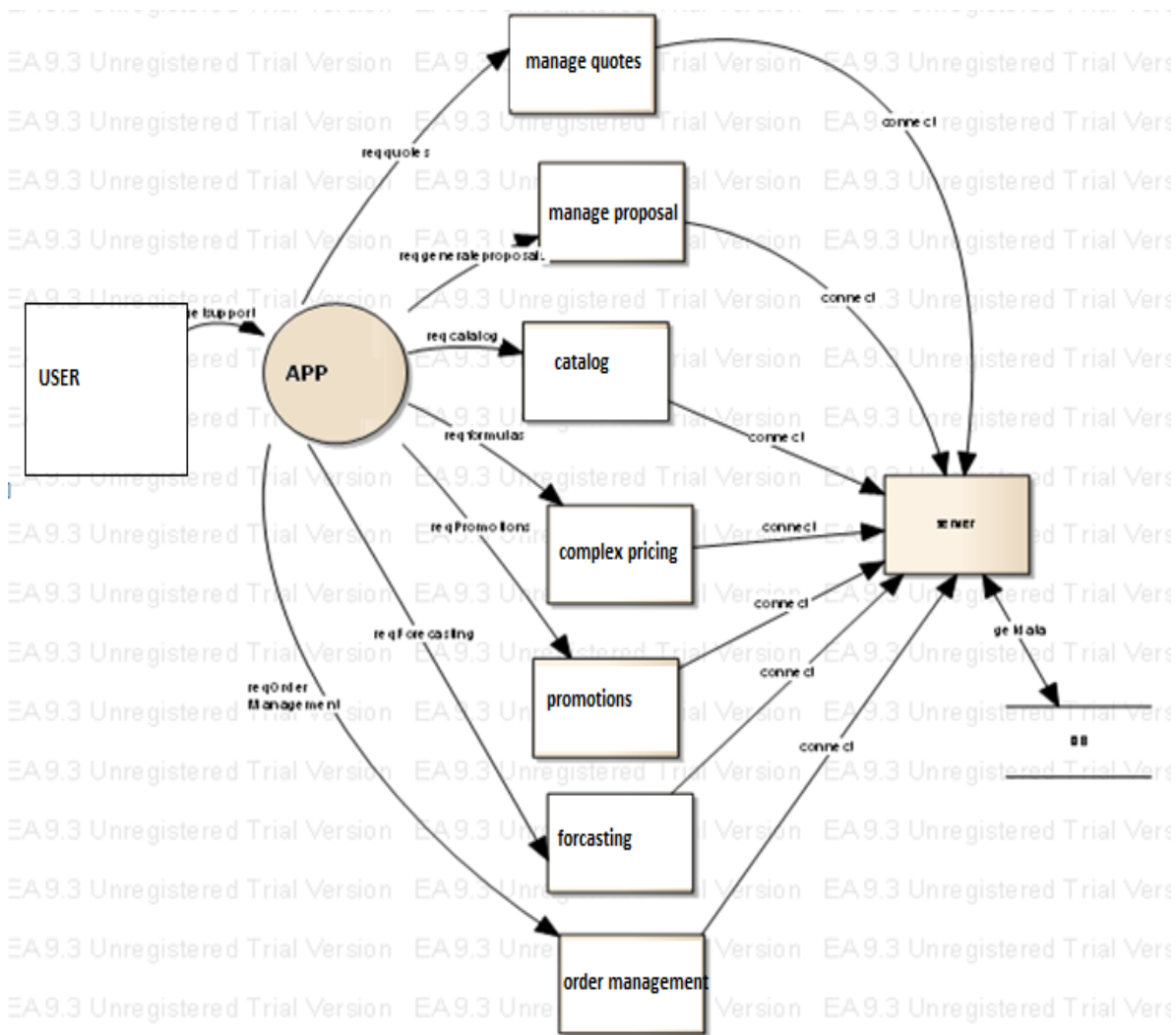


Fig 4.2.1- DFD diagram (overall)

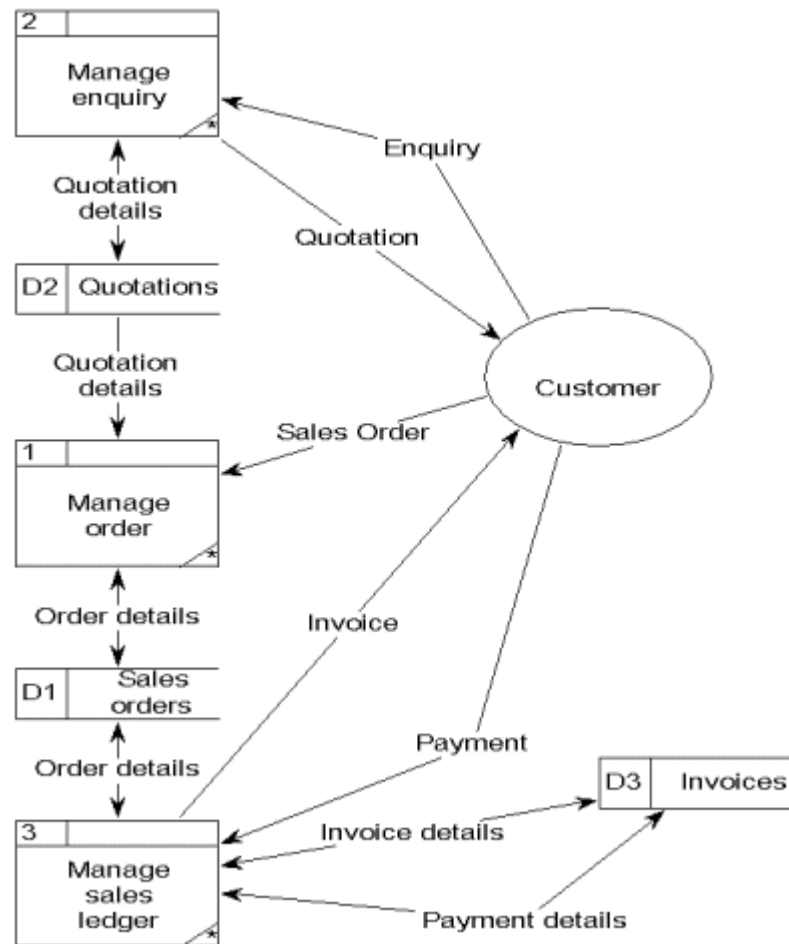


Fig 4.2.2 - level-1 DFD

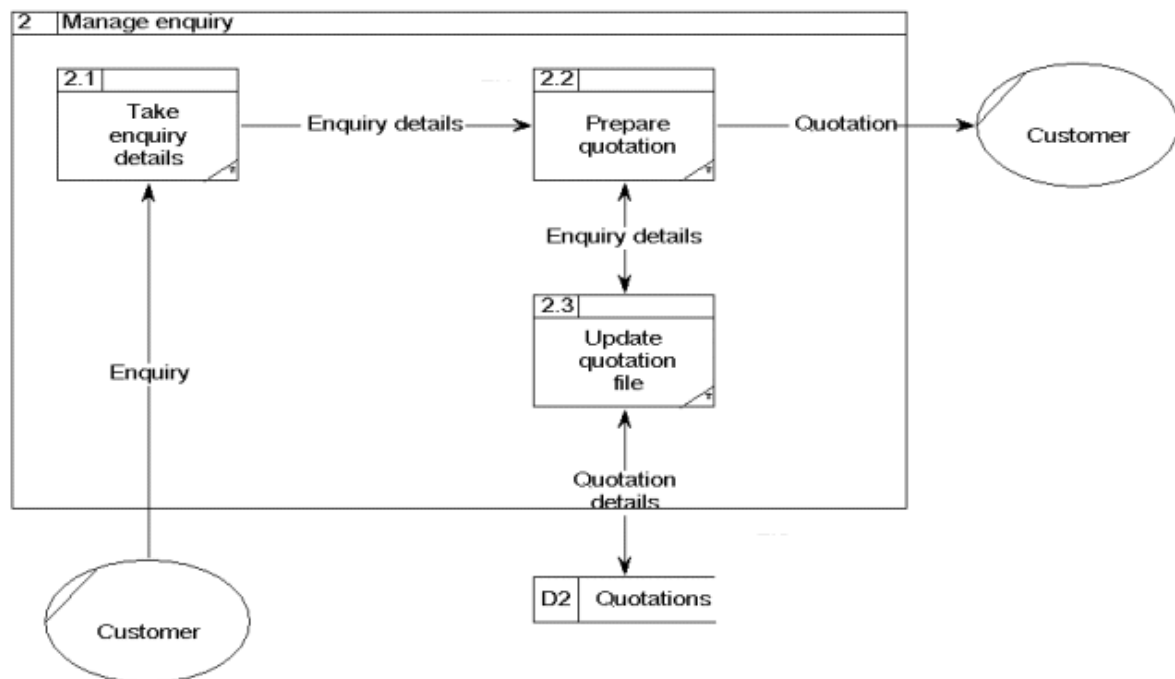


Fig 4.2.3 - level-2 DFD

4.3 ARCHITECTURE DIAGRAM

Sequence diagram shows different types of task that will be done between the user and the system

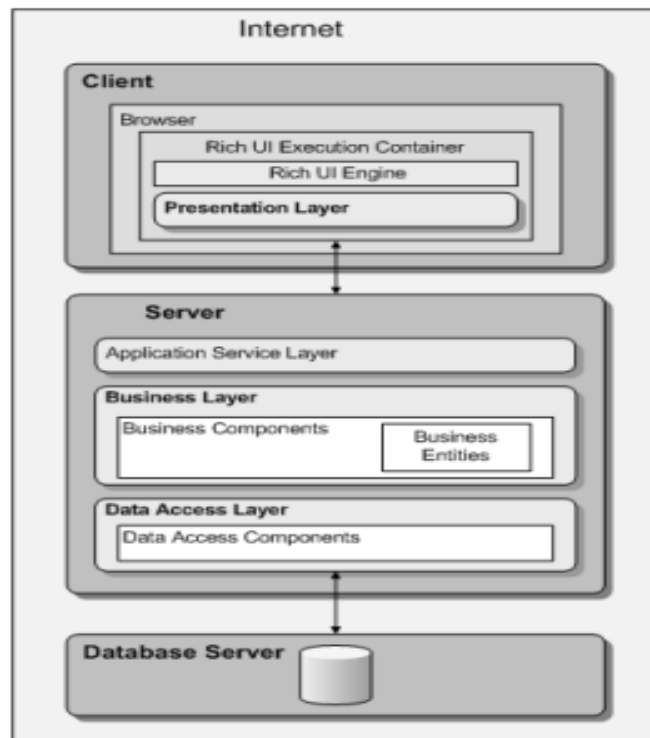


Fig 4.3.1 - Architecture diagram

5. DETAILED DESIGN

5.1 USE CASE DIAGRAM

The use case diagram define the interaction between the actor and the system to achieve a particular goal that has to be considered for the working

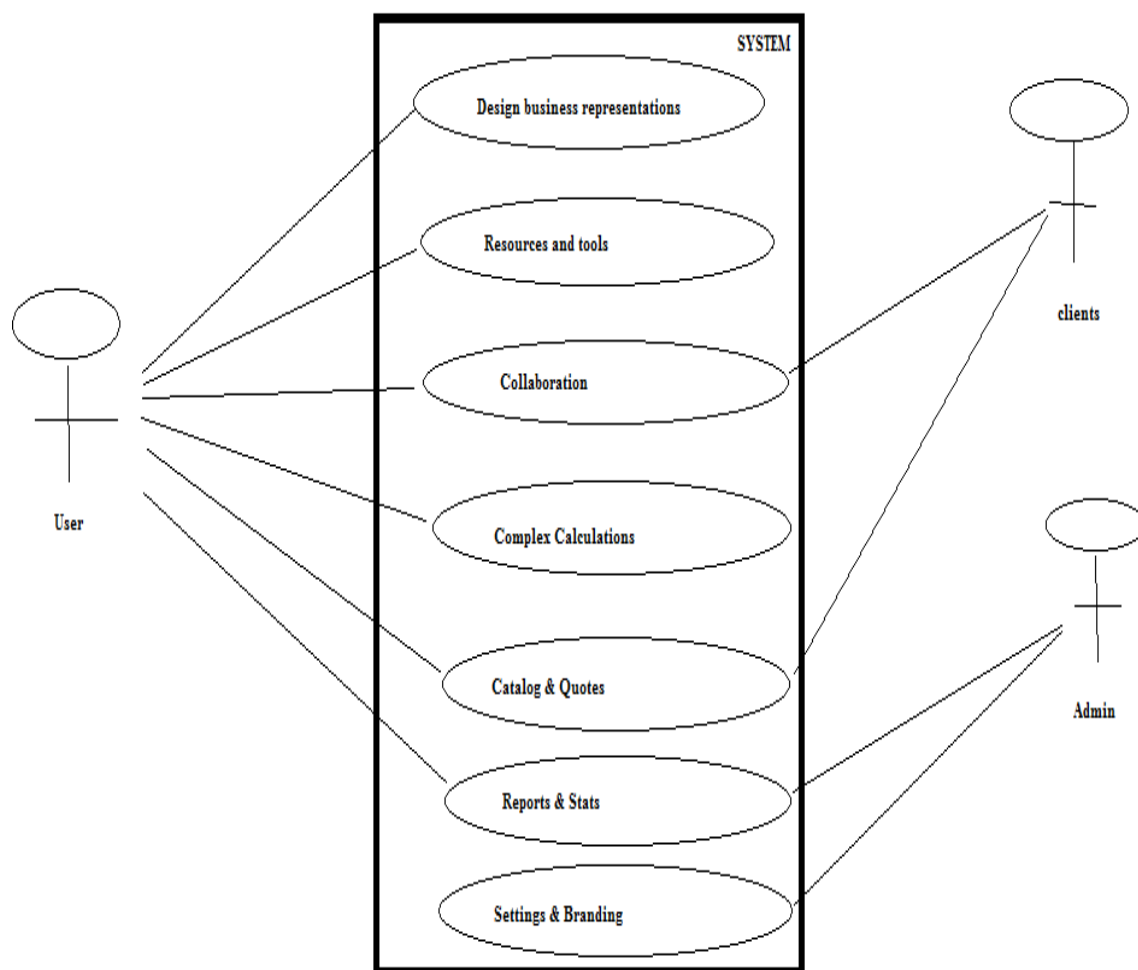


Fig 5.1.2 - UseCase display Fig

5.2 ACTIVITY DIAGRAM

Activity diagram shows all types of activities, associations, conditions and constraints to have a detailed understanding about the activities

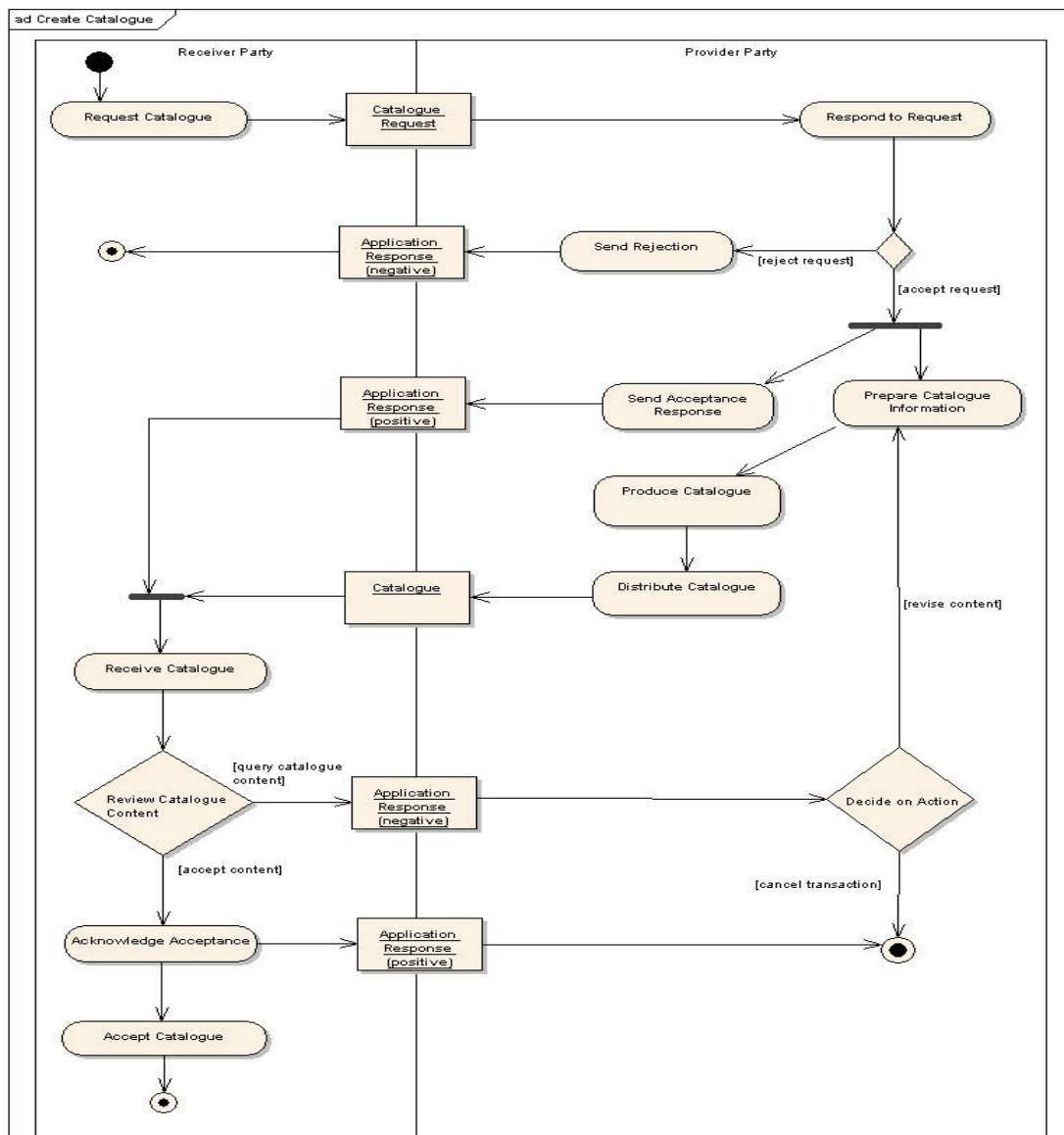


Fig 5.2.1 - Create Catalogue Process activity diagram

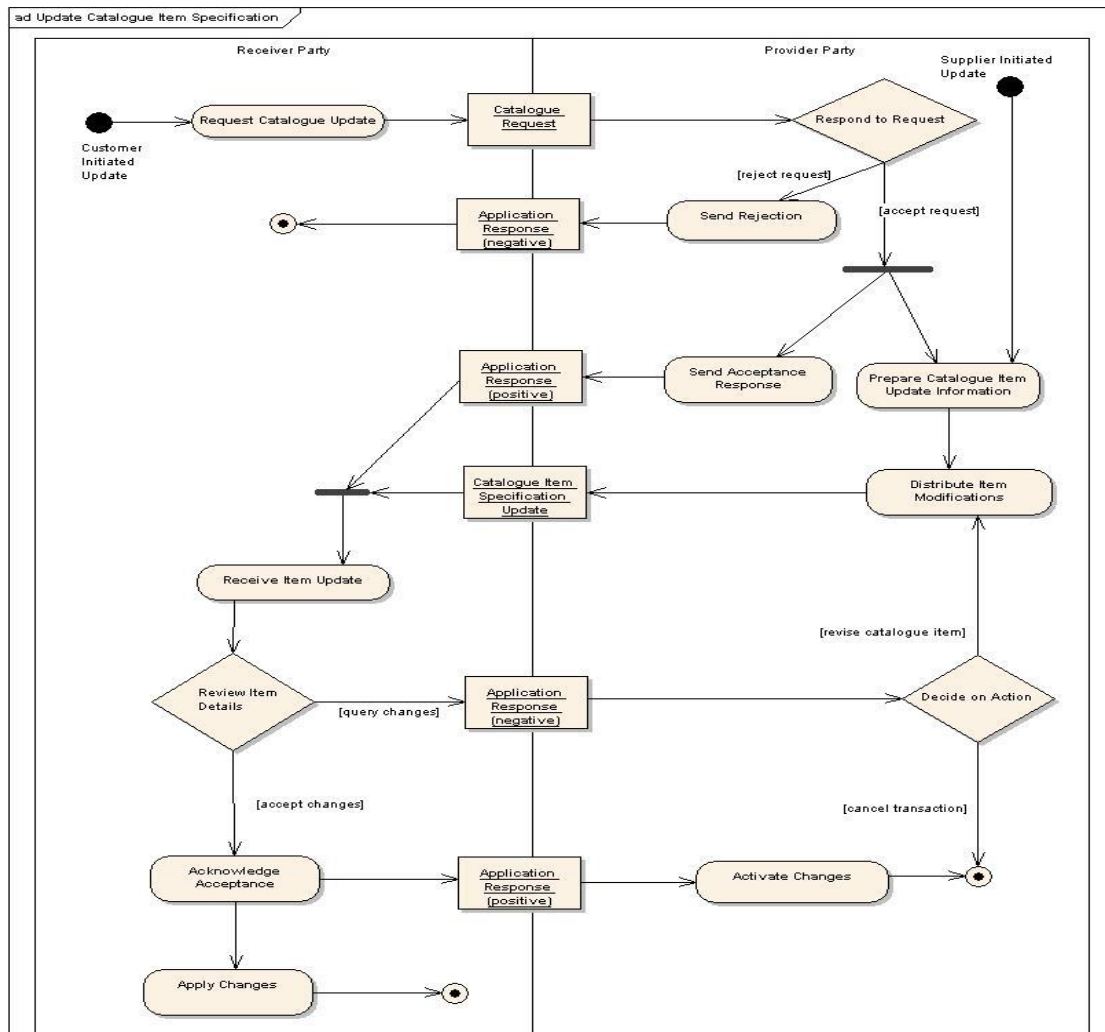


Fig 5.2.2 - Activity diagram

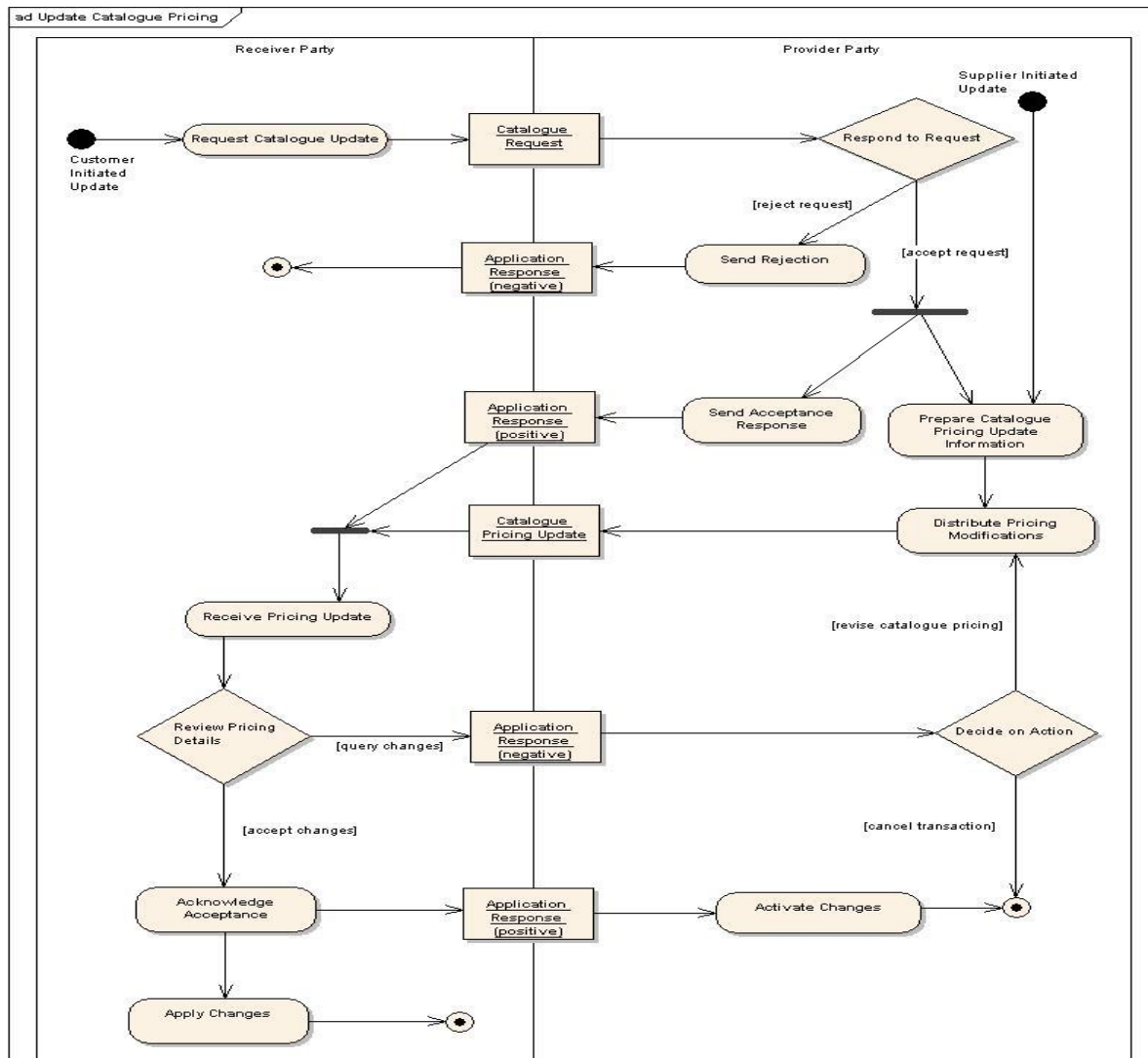


Fig 5.2.3 - Catalogue activity diagram

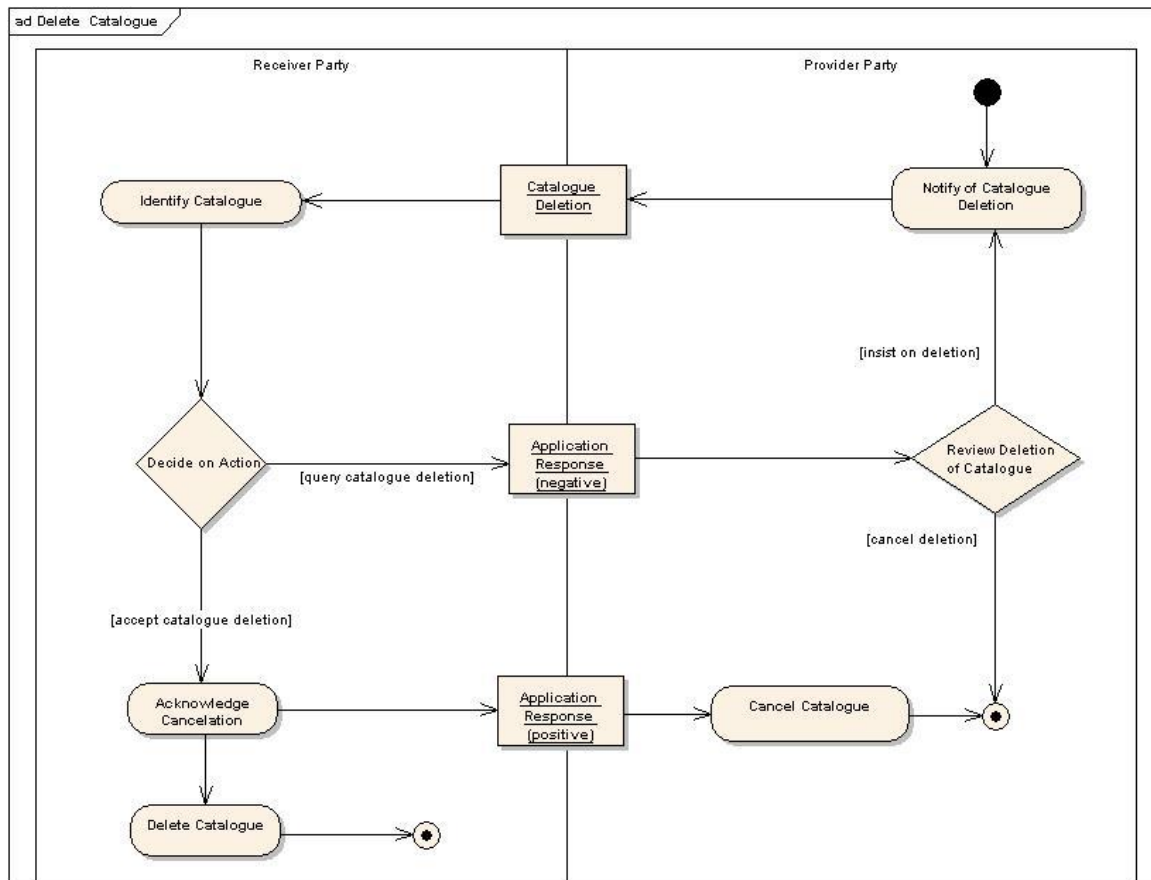


Fig 5.2.4 - Delete Catalogue activity diagram

5.3 SEQUENCE DIAGRAM

It represents individual use cases where external actors and the related messages that are invoked will be shown in the Diagram

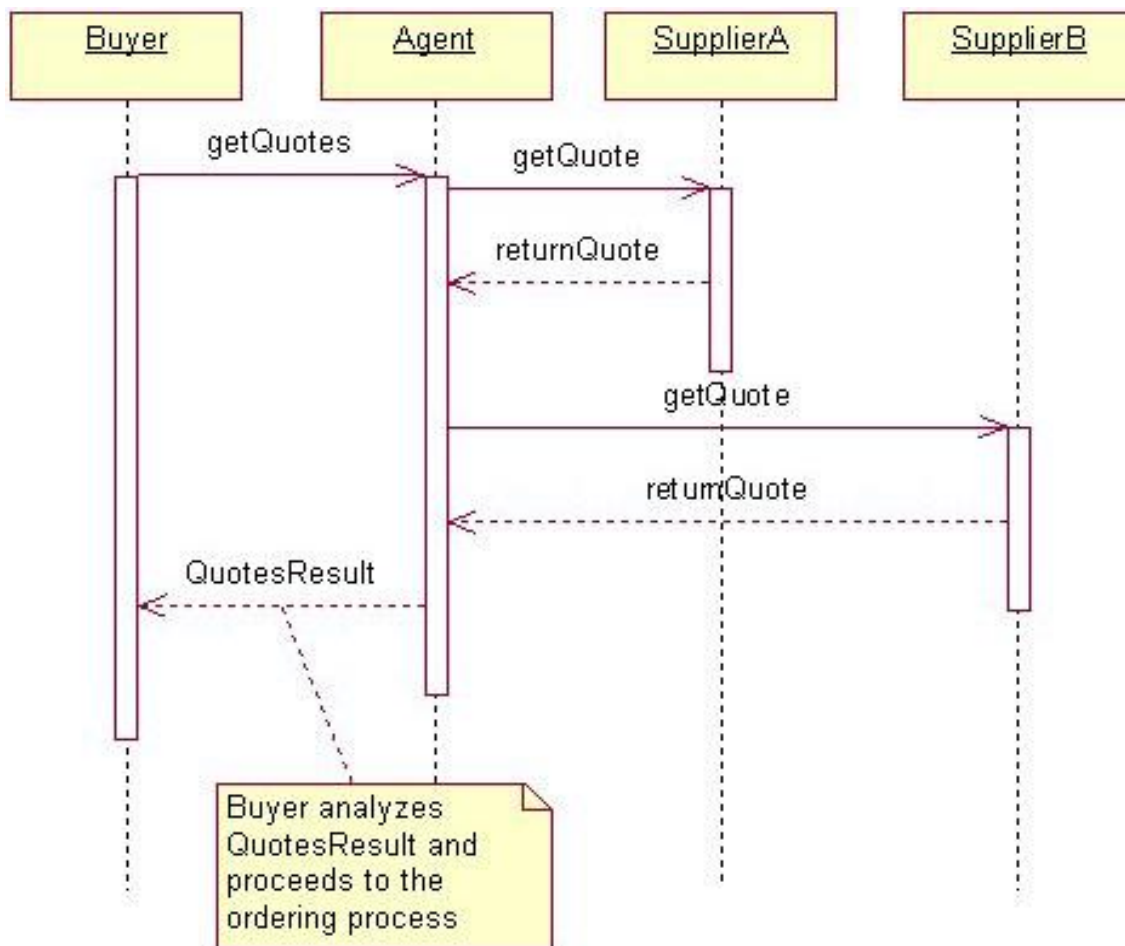


Fig 5.3.1-Sequence diagram (quotes)

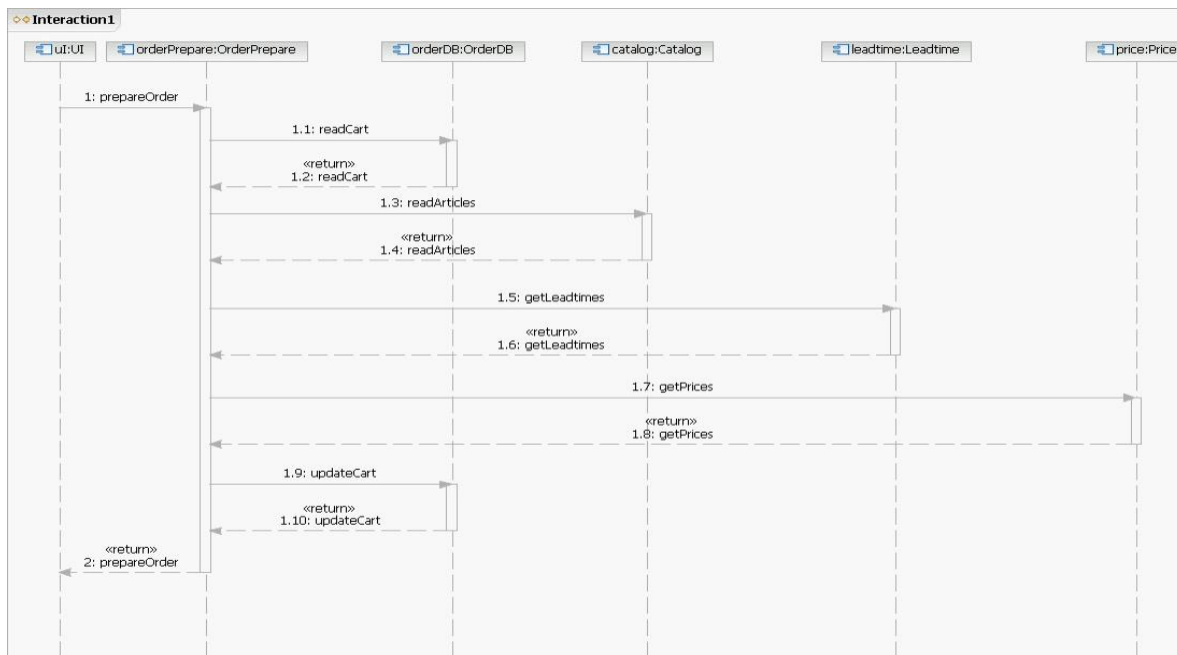


Fig 5.3.2 – The Sequence diagram for order preparation, using the pipeline pattern

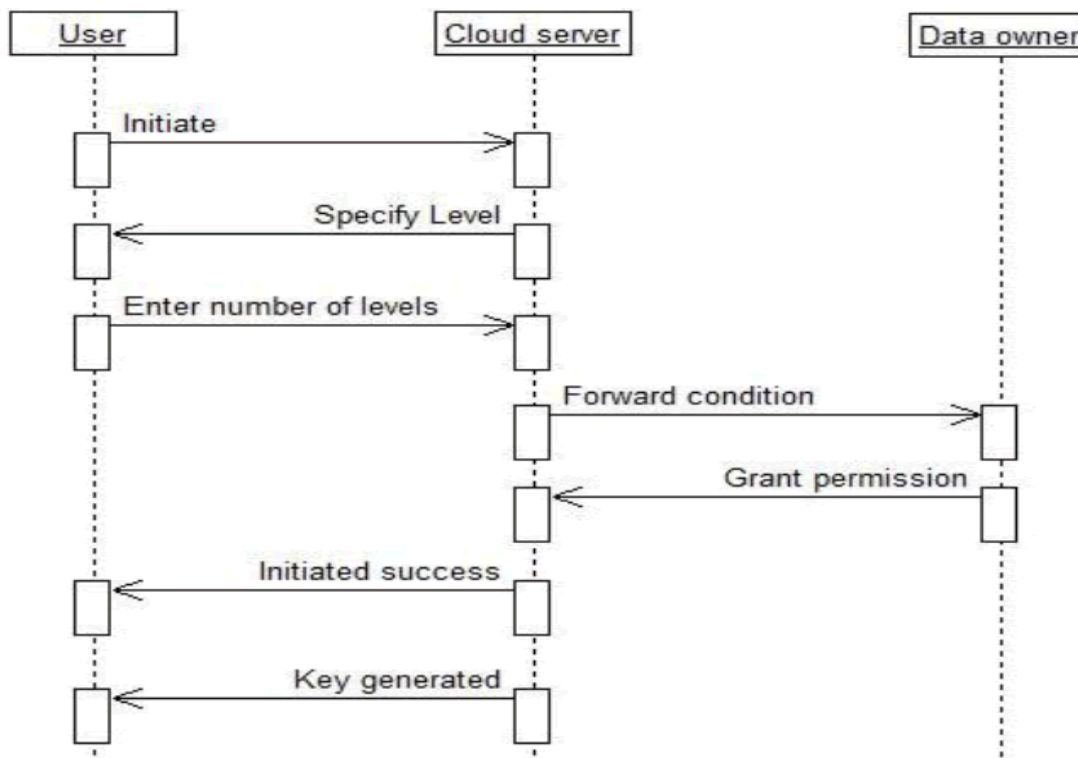


Fig 5.3.3 - Diagram for cloud data access

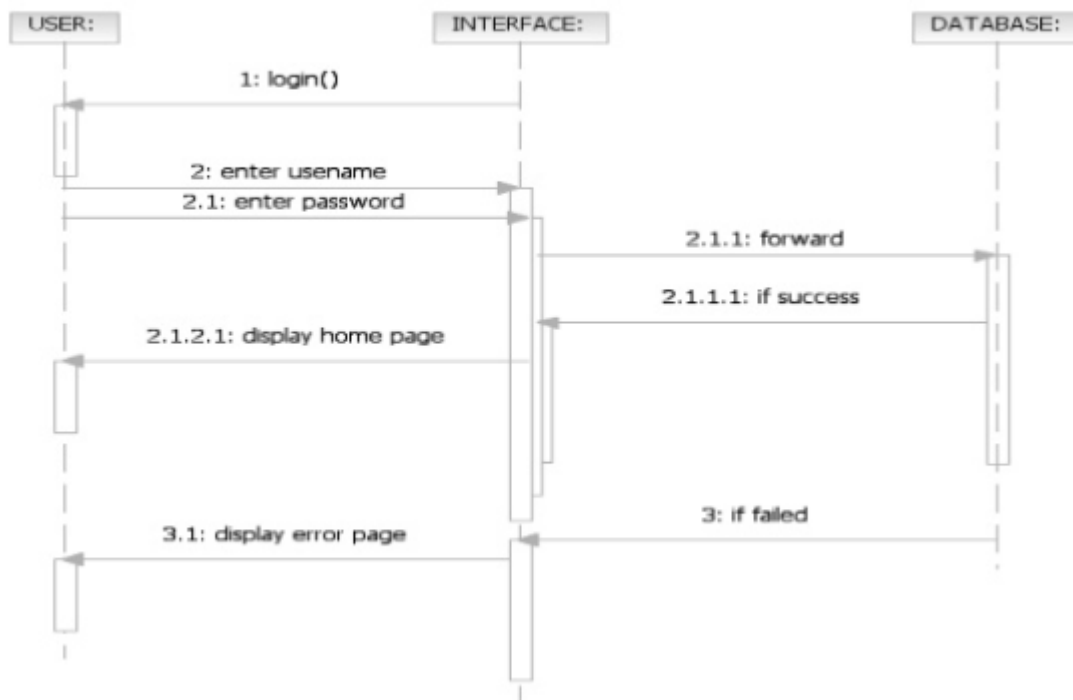


Fig 5.3.4 - Login Access is shown

5.4 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



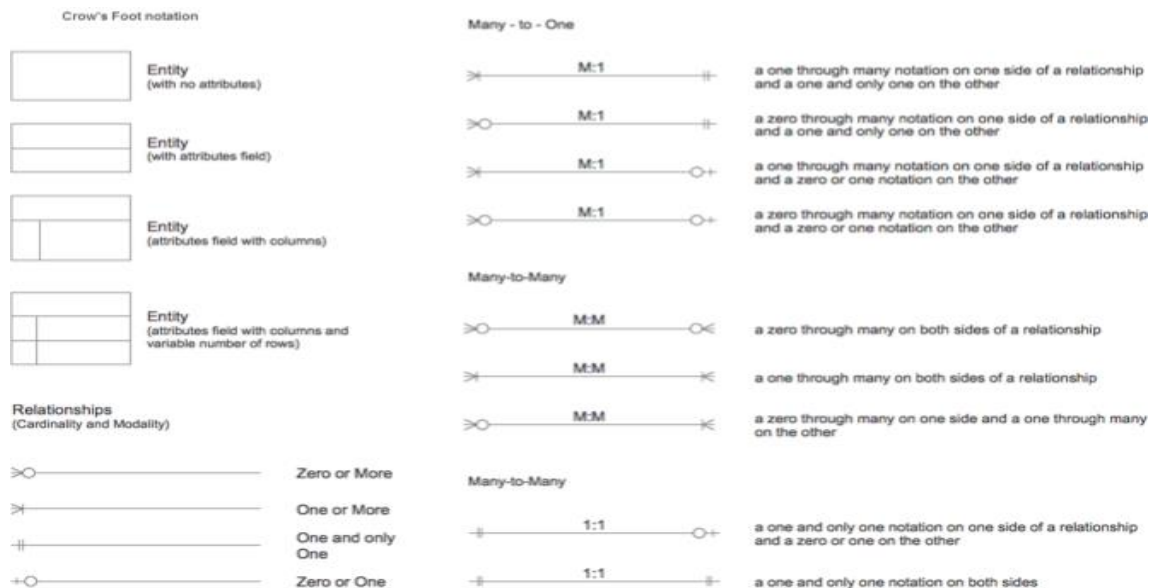


Fig 5.4.1 - Notations

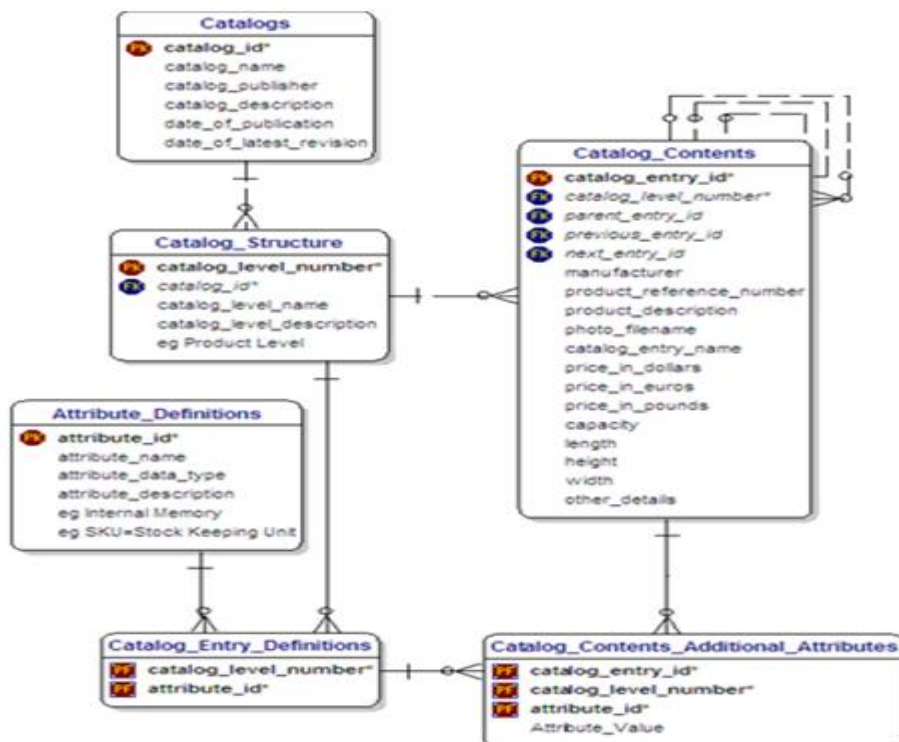


Fig 5.4.2 - ER model

5.5 CLASS DIAGRAM

Class diagram shows the system classes' attributes and operations and different types of relationship among objects

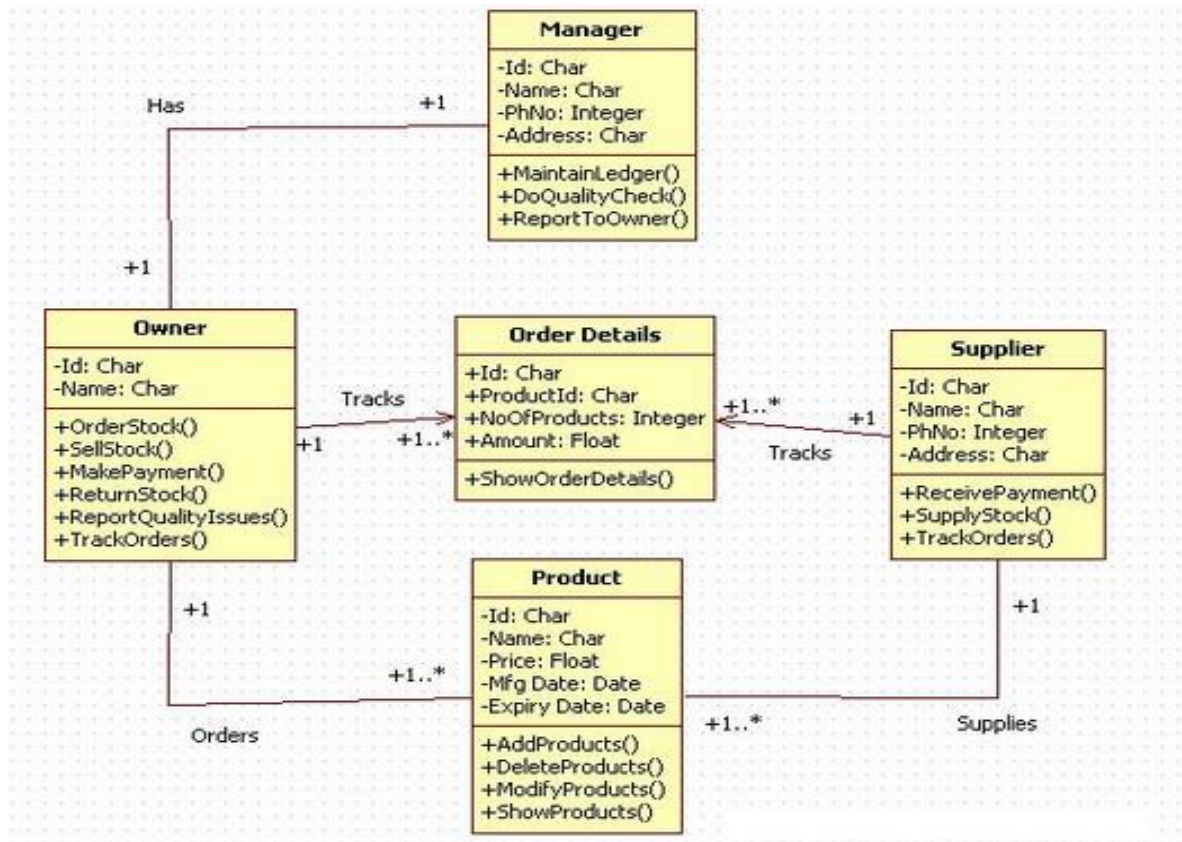


Fig 5.5.1 - Class diagram

6. IMPLEMENTATION

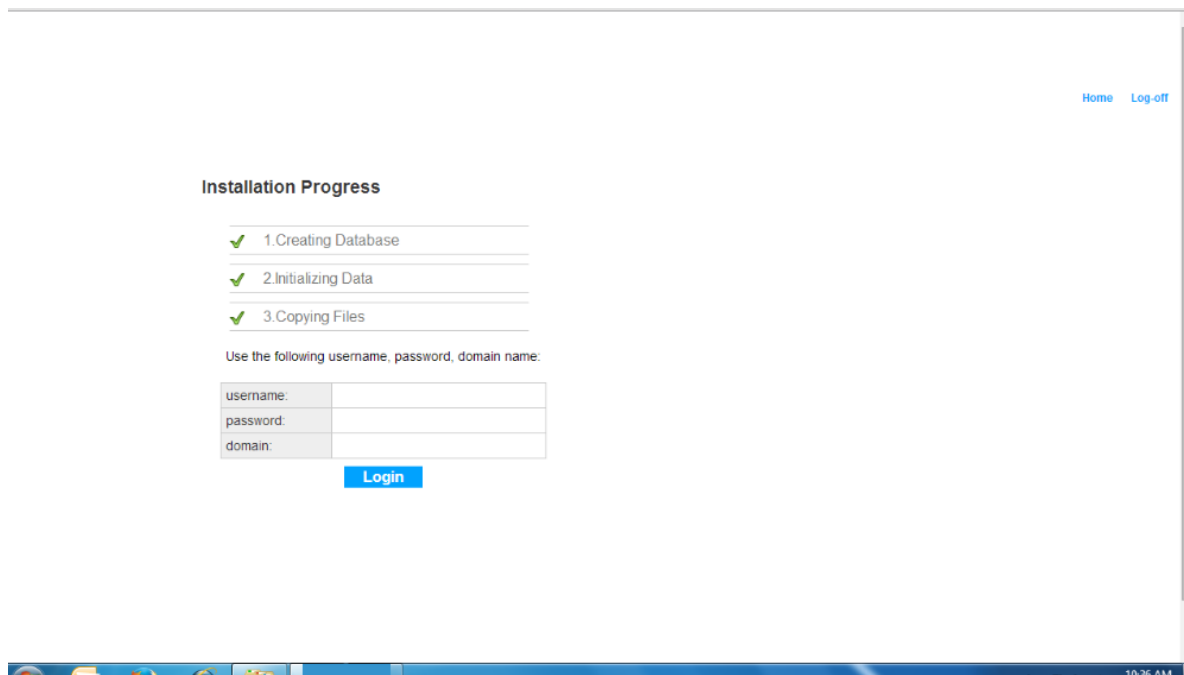


Fig 6.1 - Admin page design(cloud service space is defined)

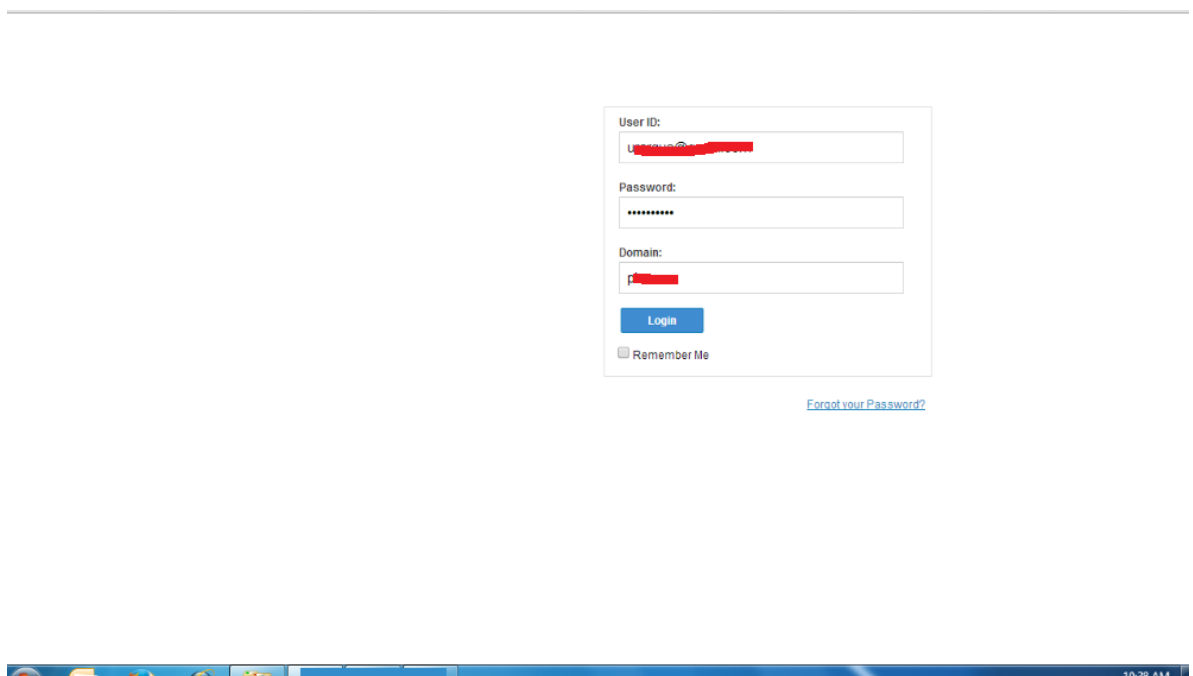


Fig 6.2-Admin login page

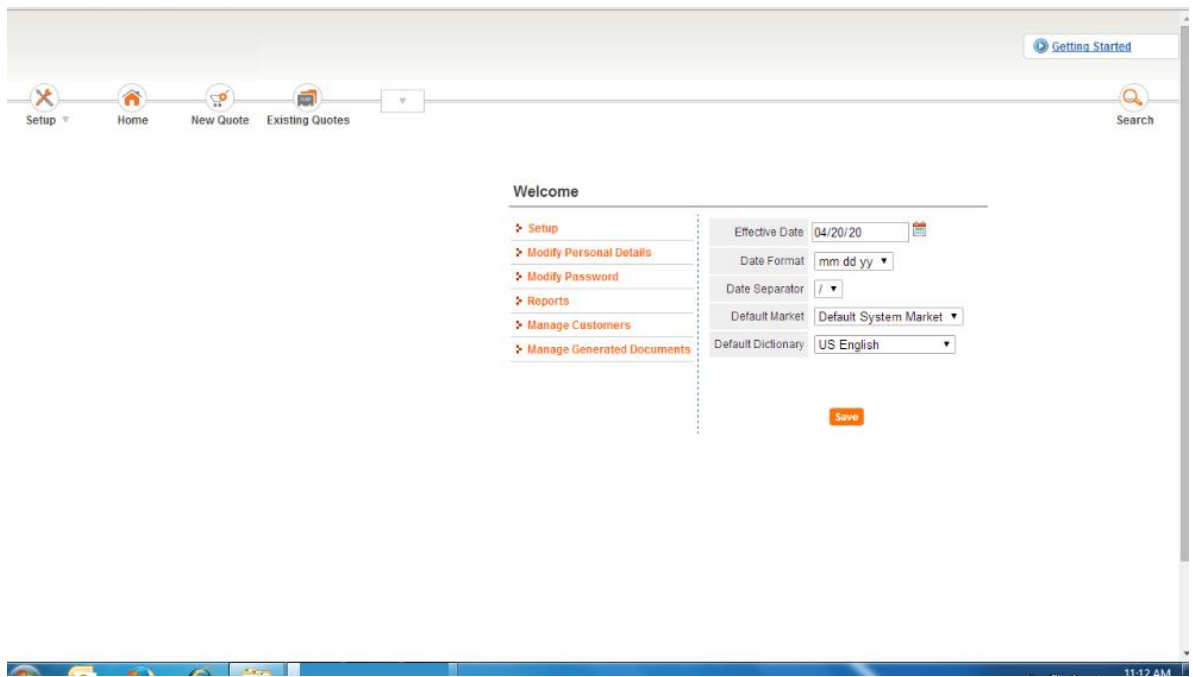


Fig 6. 3 - Reference settings and frame management options

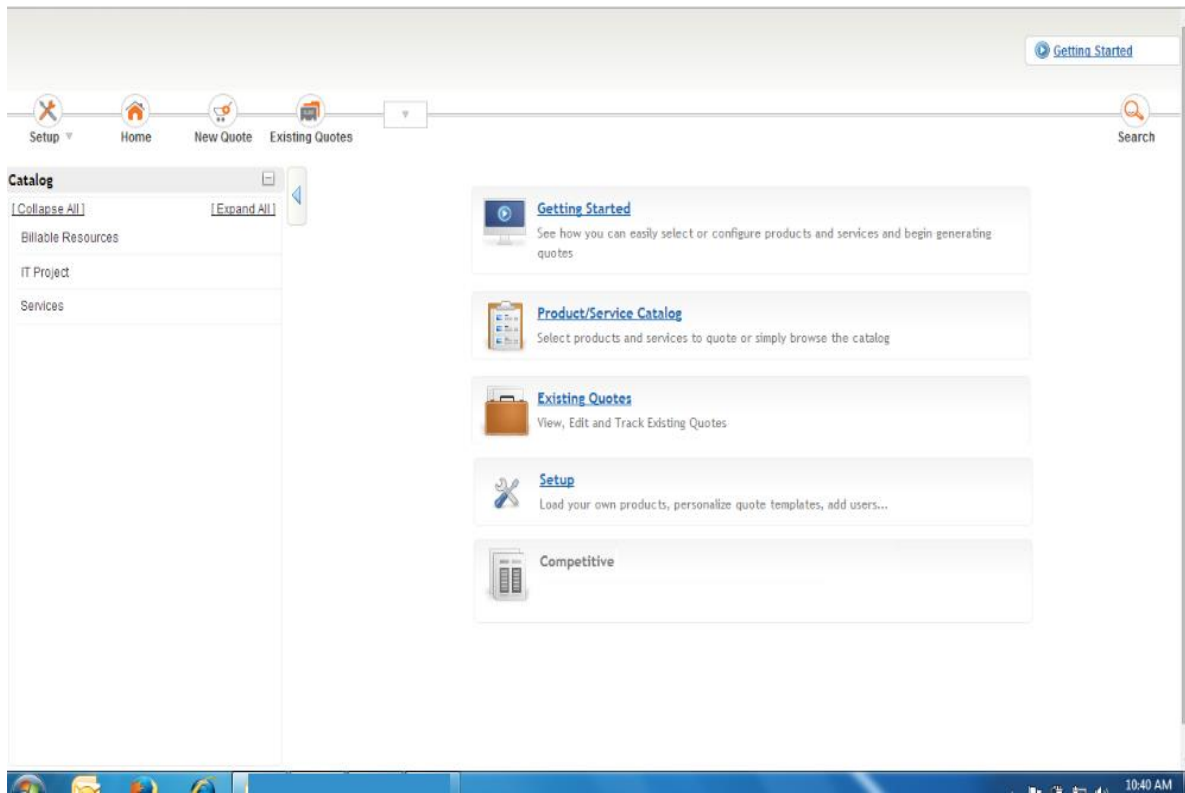


Fig 6.4 - Detailed home page with different settings and reference

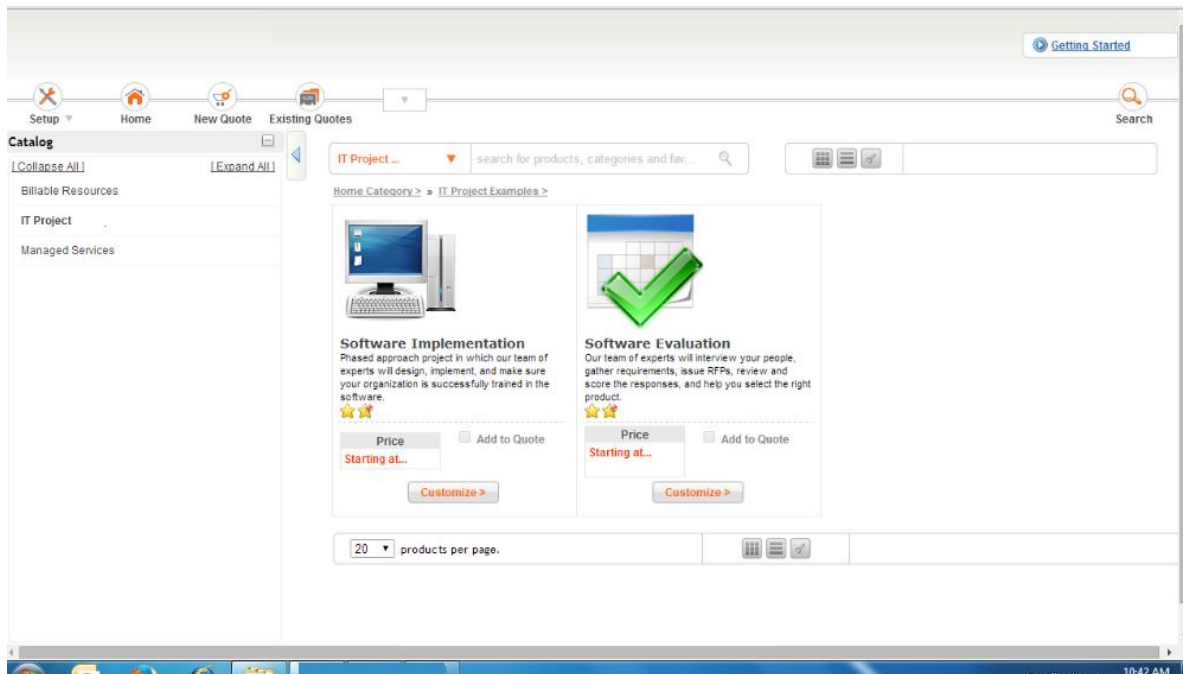


Fig 6.5 - Catalog design and customization shown

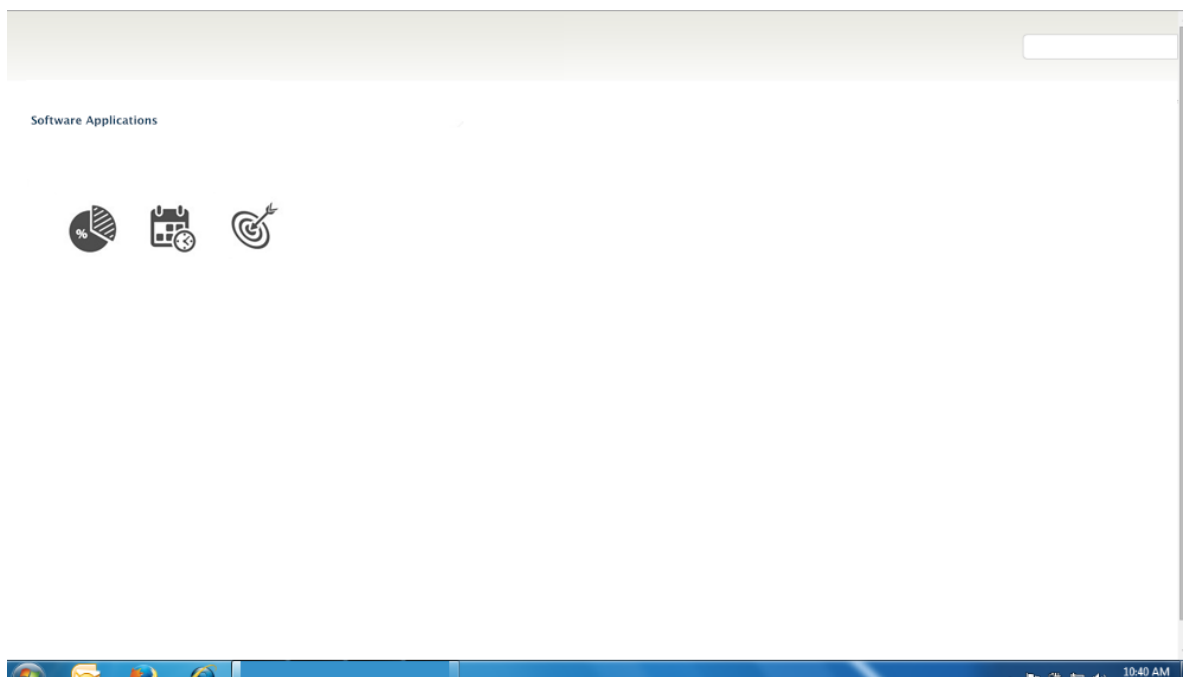


Fig 6.6 - Resources available

Existing Quotes

Quote #00980001 for [\[add customer\]](#) | Quotation | [Additional Info](#) | [Customer Info](#) | [Documents](#)

Status: Preparing | Market: USA | Owner: sagar

Actions: Add Item, Reprice, Save Quote, Generate Documents, Undo, Show all

Quote Items

Add Products: by Name / Description | by Part Number | [by Browsing Catalog](#)

Item#	Qty	Part Number	Description	List Price		Discount%		Extended Amount		Margin Health		Product Type	Actions
				NRC	MRC	NRC	MRC	NRC	MRC	NRC	MRC		
1	1	EVAL	CRM evaluation for 1 location(s) - Requirements have clearly been defined	\$5,250.00	\$100.00	0.00	0.00	\$5,250.00	\$100.00	✓	✓	Service	

Favorites: Display: My Favorites My company Favorites All Favorites

select all | Search |

Fig 6.7 - Automation and calculations

Favorites

Display: My Favorites My company Favorites All Favorites

Add To Quote	Quantity	Name	Description	Part Number	Based on Product	Category	Delete
<input type="checkbox"/>	<input type="text"/>	Consulting	One hour of consulting	CNSLT	Consulting	Billable Resources Examples	
<input checked="" type="checkbox"/>	<input type="text" value="1"/>	Customize	CRM Evaluation for Small Business	EVAL	Software Evaluation	IT Project Examples	
<input type="checkbox"/>	<input type="text"/>	Customize	Enterprise Web Site	HST-WEB	Hosted Website	Managed Services Examples	
<input type="checkbox"/>	<input type="text"/>	Customize	ERP Software Evaluation	EVAL	Software Evaluation	IT Project Examples	
<input type="checkbox"/>	<input type="text"/>	Customize	Small Business Starter Site	HST-WEB	Hosted Website	Managed Services Examples	

1 Show 10 Items. [Add To Quote](#)

Product Types

Quote Comment

Fig 6.8-Automation and calculations-2

Recent +

Quote #00980001 for **homeaff** [Quotation](#) | [Additional Info](#) | [Customer Info](#) | [Documents](#)

Bill To

Search Bill To [\[collapse\]](#)

First Name	sam
Last Name	
Customer ID	1010
Company	homeaff

+ 🔍 ✏️ ✖️
 Add Lookup Edit Delete

Ship To

Search Ship To [\[collapse\]](#)

First Name	sam
Last Name	
Customer ID	1010
Company	homeaff

+ 🔍 ✏️ ✖️
 Add Lookup Edit Delete

Fig 6.9-Adding customer details

Quote #00980001 for **homeaff** [Quotation](#) | [Additional Info](#) | [Customer Info](#) | [Documents](#)

Generated Documents ⌵

No documents have been generated for the quote

Quote/Revision	File Name	Sent To Customer	Viewed By Customer	Description
There are no items.				

Items per page: 10

Attachments ⌵

File Name	Content Type	Size (Bytes)	Date Created	View
es1.docx	application/vnd.openxmlformats-officedocument.w...	9977	4/20 12:34:35 AM	View

Items per page: 10

No file chosen
[Attach another File](#)

Fig 6.10 - Documents management

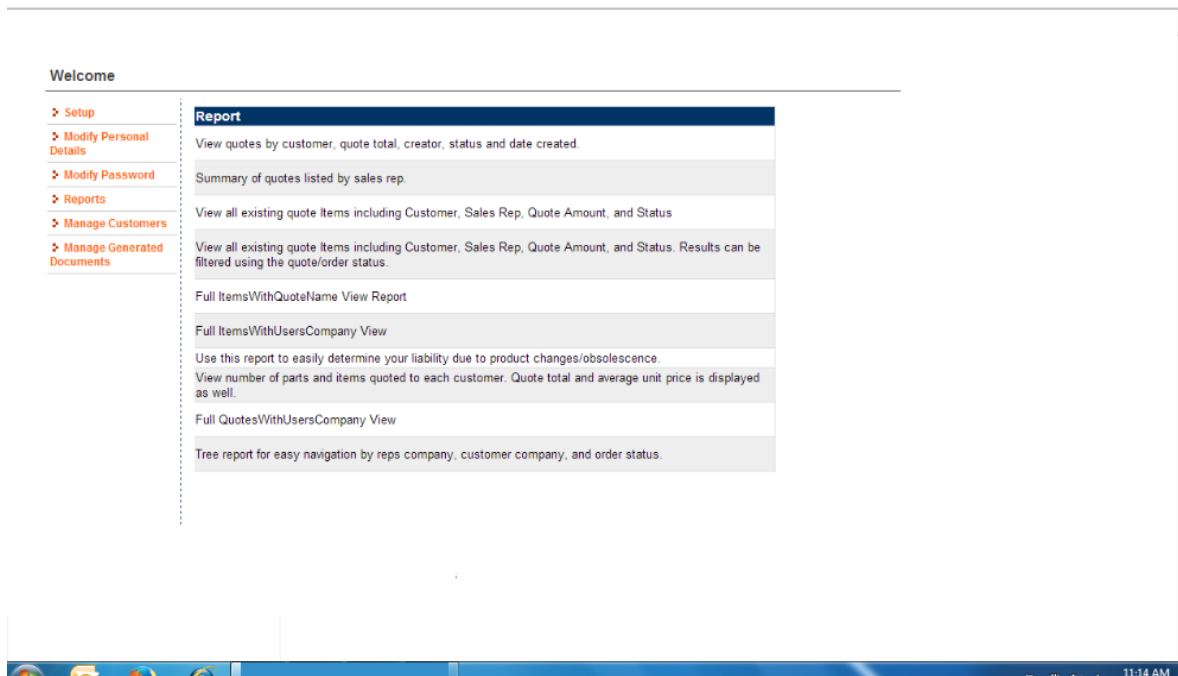


Fig 6.11 - Reports selective

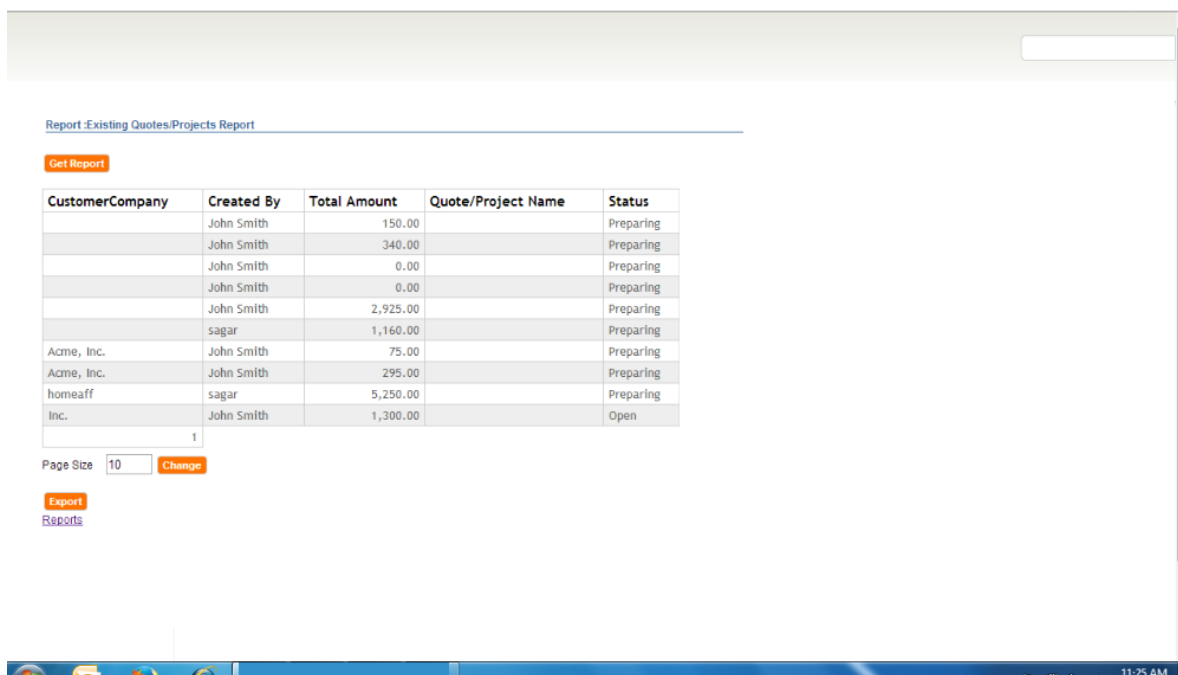


Fig 6.12 - Report generated and export option

7. SOFTWARE TESTING

Software testing different types of associated acknowledgements what we have to check for providing a better quality system because different types of rotation activities and other related dresses of endorsement is needed to be established. The system is outline with all types of references and each and every preference that is outlined will be checked with the help of different types of techniques. All types of techniques that are required to be deflected will be properly planned by the departments associated with the development and testing. Software testing will help us to plan the references as we want that at the end there should be no problem and all references of working can be properly acknowledged.

Software testing will help us to understand the work properly and establish all types of consolidated working from a single system. Software testing will be done with the help of test cases that will be written so that we can have a documented evidence that have different types of features which has been included behaves & works in real time. All types of automation references will be properly check and different scenarios will be tested. Intervention of different heights of medium that is required for the synchronized reference will be checked for the accuracy because different functionalities are required to be overruled at the same time. Testing is important phase where all types of reference of integration and every type of automation references that will be achieved through the system will be generalized and will be outlined.

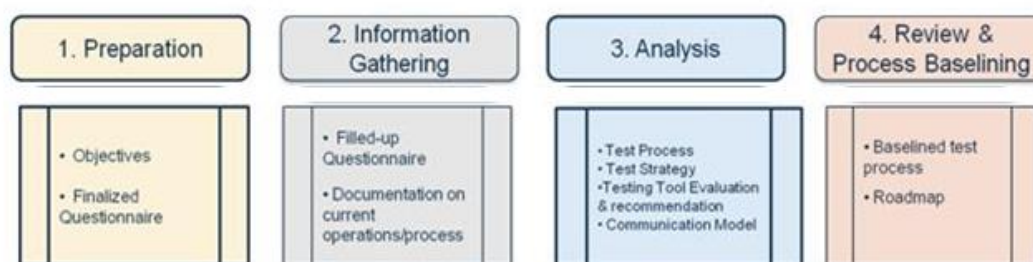


Fig 7.1 - Phases are shown

Unit testing

Unit testing is based on considerations where the units will be acknowledged and when the universe will be at knowledge it is helpful as we can establish the references individually

All types of proposal send quotation systems for the design implementation and tracking will be checked because we have to understand that how the system supports the digitalized content generation options and how the implementation with the help of other type of channels are supported and how the references of tracking is provided

All types of references of conditional working based on different endorsement activities with the help of larger types in resources we also check

Information gathering will be also undertaken for the provisional understand

Conditional working that is required when different types of accounts will be integrated with the help of Administrative control panel will be checked for the reflex inclusion

We have to also reference that how the mathematical calculations and working support is provided to the users because when the related Cost Analysis will be performed it is needed the system should for propose all types of support

Automation testing

To make the system more interactive we will need to check enormous amount of conditions and how each step operates in real time so all types of automation references might be checked with the support of software named selenium

Automation considerations wouldbe first written in the design of test cases and different types of reports will be created by the software related to the problems based on different scenarios that has to be rectified

Cost effectiveness can be achieved with the assist of automated tests and even less manpower is needed

Test cases

Serial. no	Test-cases	Test-Inputs	Result's	Actual O/P	Checked	Severity category
1	Admin access	Inputs required	Admin settings provided	Provided references	pass	Critical
2	Content	Integrated representation	Options provided	Various reference of design consideration shown	Pass	Critical
3	Team interactions	Rule	Provisions provided	Teams collaboration is shown	Pass	Critical
4	Customer management	Credential provided	Working preference provided	Added with different activities rights	Pass	Critical
5	Resources	Selective	Definitions added	Different tools are added for the usage	Pass	Critical
6	Roust	Auto	Working info generated	All info inclusions supported	Pass	Critical

7	Math	Selective	Auto calculation seen	Manual and auto reference provided	Pass	Critical
8	Reports	Selective	Options for the report generation provided	Details added and generated documents	Pass	critical

8. CONCLUSION

As we have to conclude the system has designed in such a way that all types of references of endorsement activities and other occurrences of standardized working was properly established and provided. All types of requirements of first structured properly so when the system is been designed it is included with all types of references and when the references are provided it is provided with all types of operational activities. The operational considerations are included in such a way that any type of custom variations that are required it can be organized in it can be achieved. Multiple techniques can be implemented at the same time so system provides the flexibility where multiple concentrations are parallel recognized which is very much cost effective. The acknowledgement of the work provisions are quite important which is needed to be referenced so when we use the organisation we found that all types of requirements are correctly accomplished it is very much helpful at any type of organization can utilize the system on a global consideration with a small amount of investment required. We recognize that all types of integrate in billions and different types of references based on different types of regulated working works properly. The considerations can be properly achieved as the administrator will be provided with all types of working references and each work references can be established according to the requirements with the help of set up. Multiple consolidations of proposal and deputation systems are also acknowledged and we found that system helps produces to support all types of mathematical associations needed.

9. FUTURE ENHANCEMENT

Future enhancement references are acknowledged with proper working consolidation and at the time of consolidation new requirements me right so we have to add the users for the new requirement and accordingly can be provided. New consideration that are required to be acknowledged should be properly outline and some of them are listed as following

More considerable resources for operations can be provided with inclusive rights

The reports that have provided can be optimized and we can associate more working references

References of help can be included so we will be having more custom valuation with acknowledged working

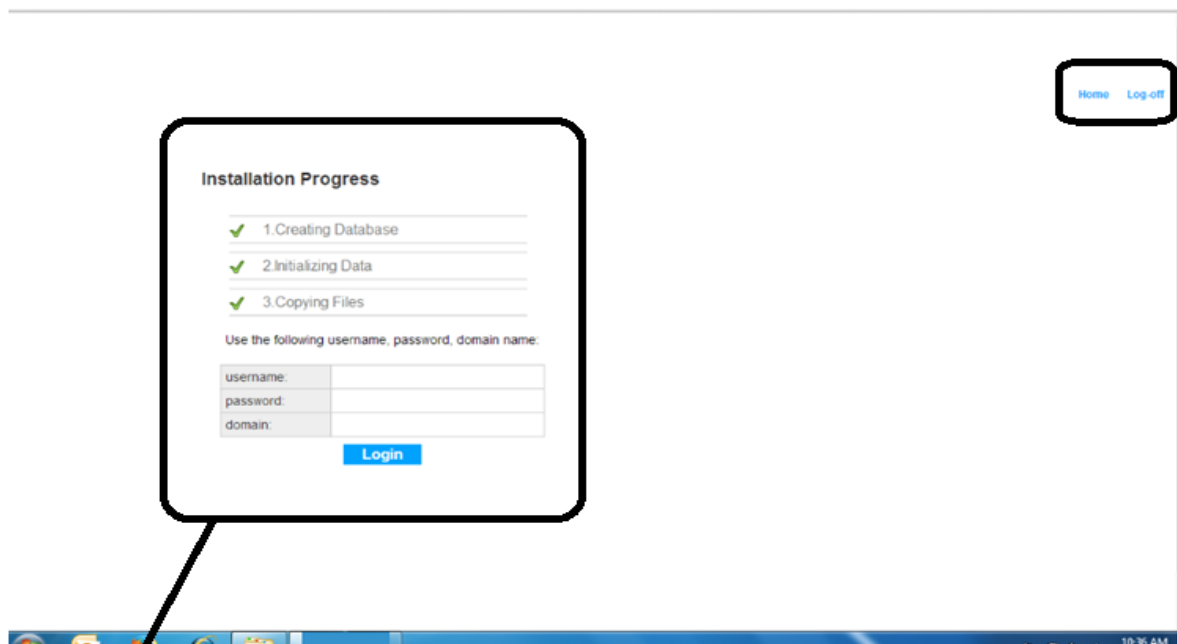
10. BIBLIOGRAPHY

- "The Arrival of Java 14!". Oracle db. Retrieved on March 17, 2020
- "Bitstock, Andrew (2015 may). "Java's 20 Years of Innovations". On18/03/2016.

Web referrals-

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

11. USER MANUAL



Admin page design

Fig 11.1

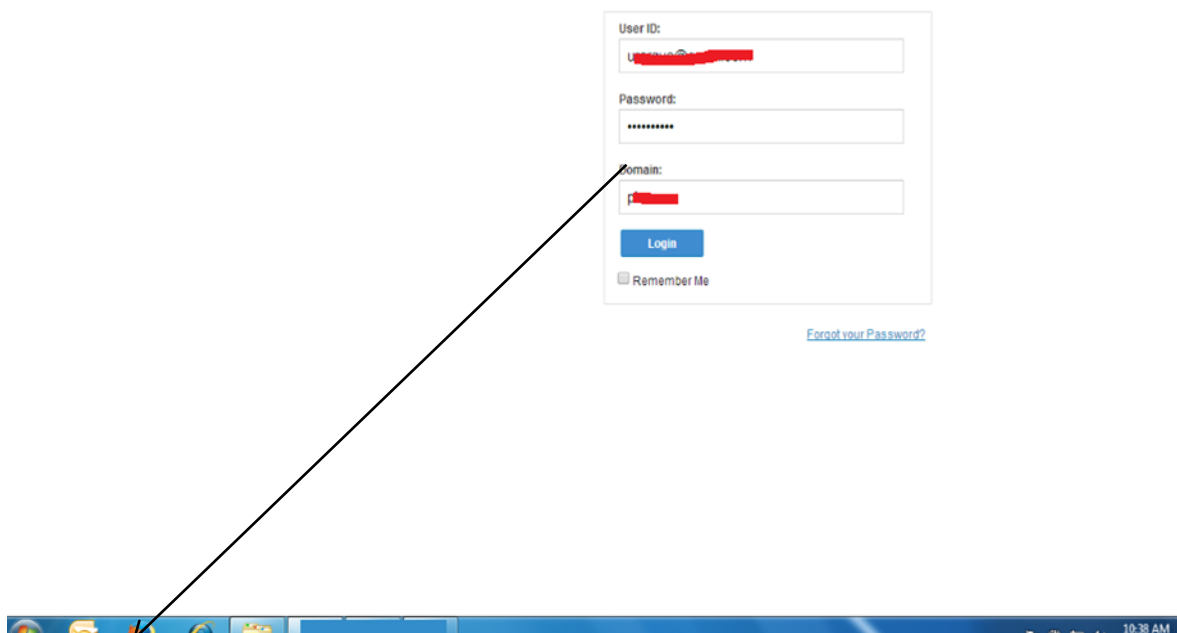
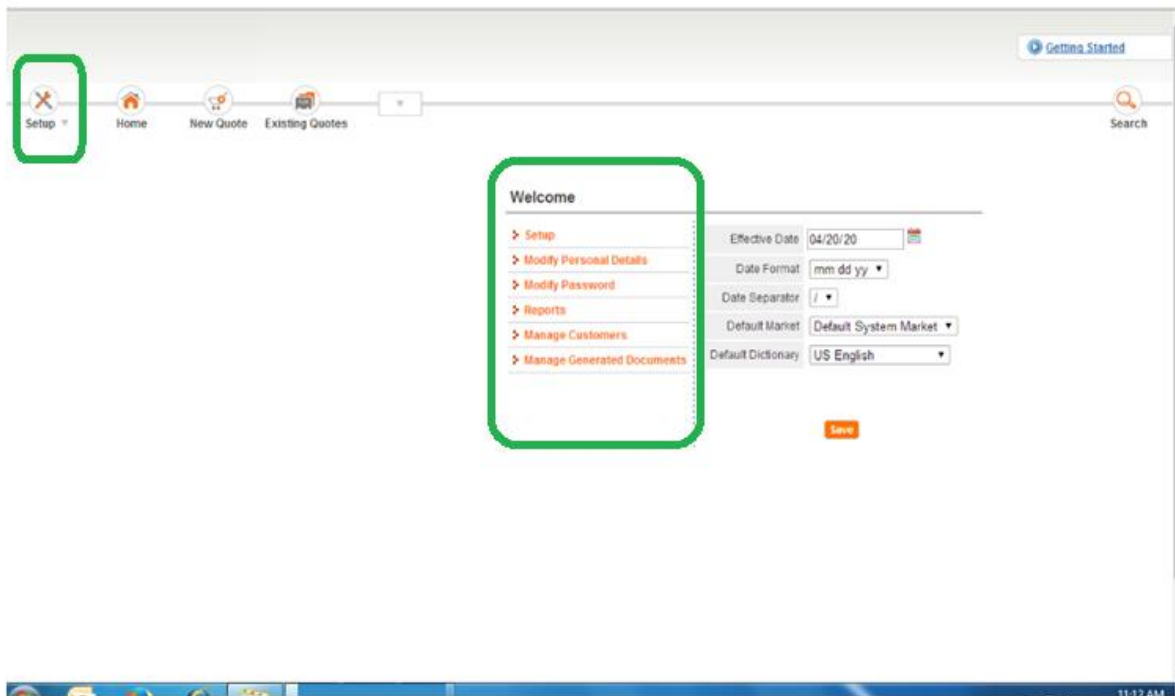
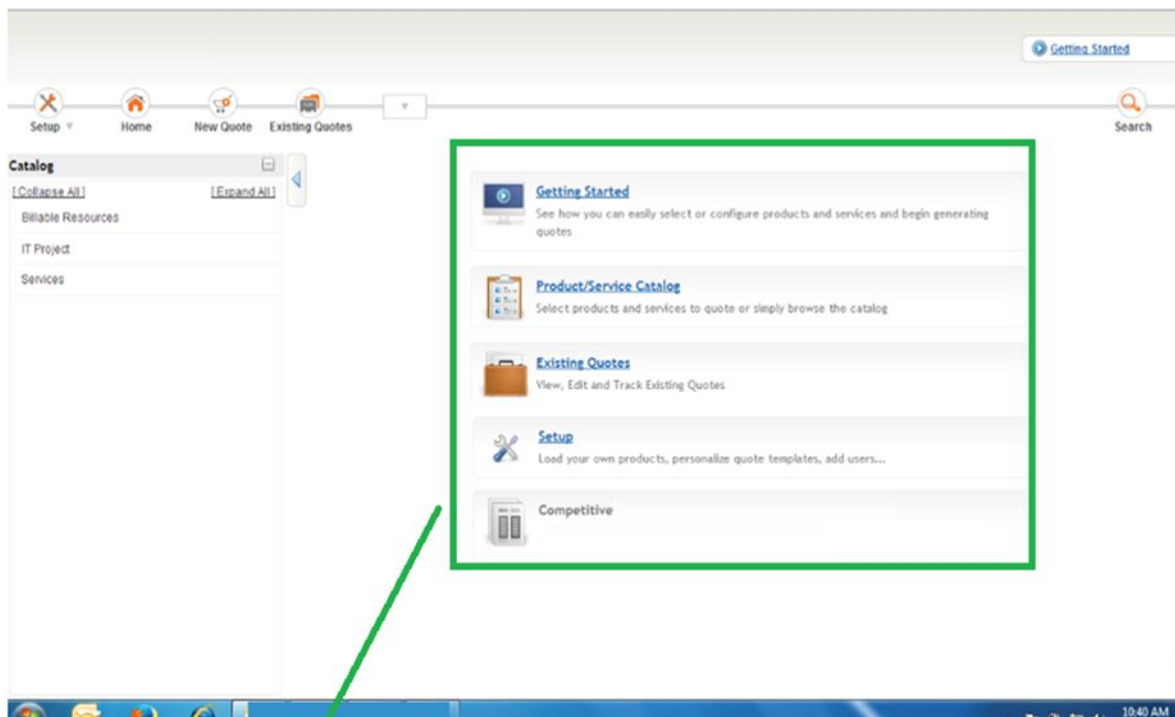


Fig11.2 - Admin login page



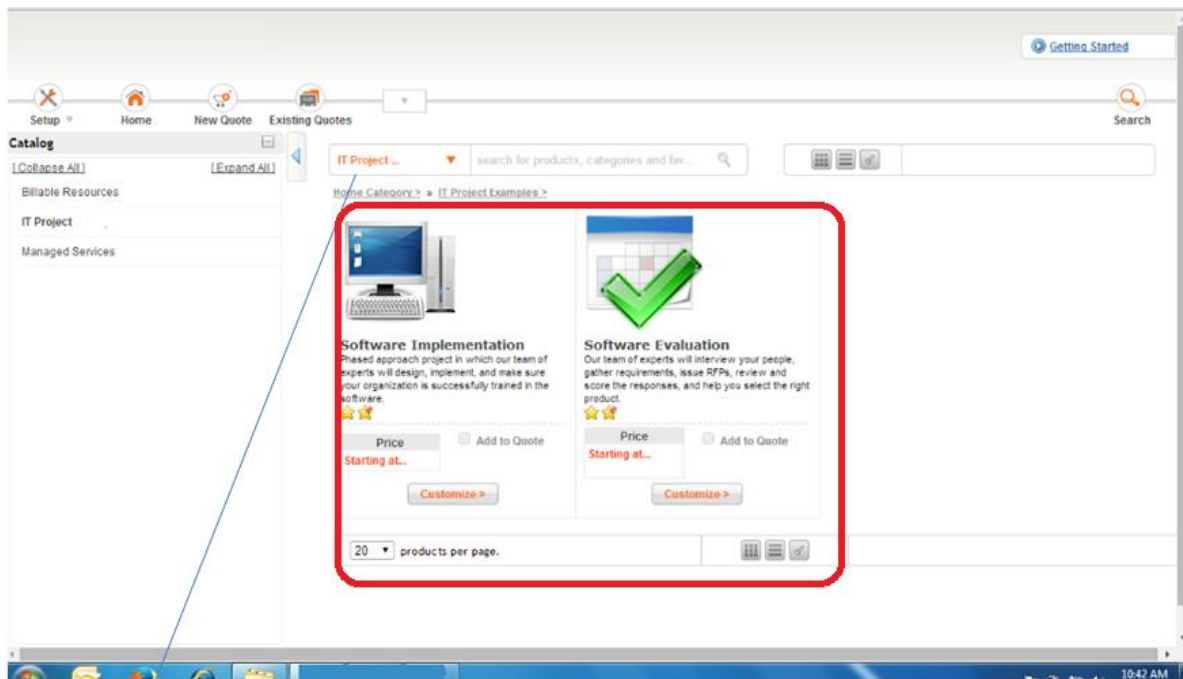
Reference settings and frame management options

Fig11.3



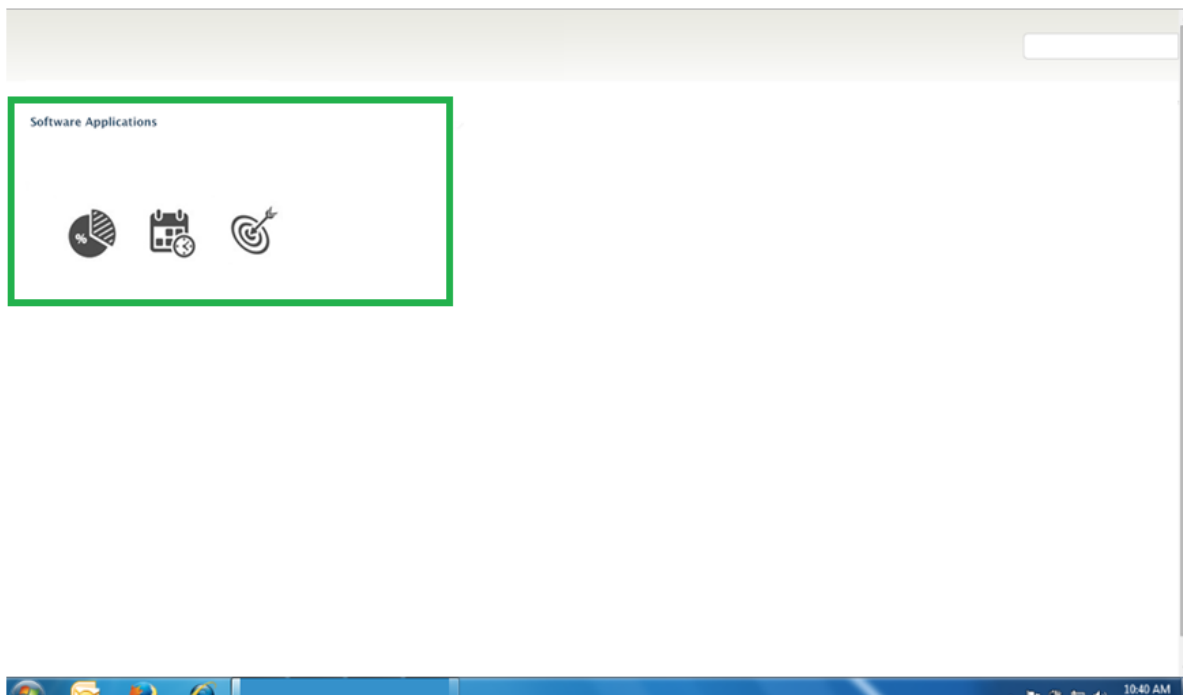
Detailed home page with different settings and reference

Fig 11.4



Catalog design and customization shown

Fig 11. 5



Resources available

Fig:- 11.6

Existing Quotes

Quote #00980001 for [\[add_customer\]](#)

Quotation | Additional Info | Customer Info | Documents

Status: Preparing Market: USA Owner: sagar

Actions: Add Item, Reprice, Save Quote, Generate Documents, Undo

Quote Items

Add Products: start typing to find product... by Name / Description | start typing to find product... by Part Number | [by Browsing Catalog](#)

Items	Qty	Part Number	Description	List Price		Discount%		Extended Amount		Margin Health		Product Type	Actions		
				NRC	MRC	NRC	MRC	NRC	MRC	NRC	MRC				
1	1	EVAL	CRM evaluation for 1 location(s) - Requirements have clearly been defined	\$5,250.00	\$100.00	0.00	0.00	\$5,250.00	\$100.00	✓	✓	Service			

Favorites: Display: My Favorites My company Favorites All Favorites

select all Search

Automation and calculations

Fig: 11.7

Favorites

Display: My Favorites My company Favorites All Favorites

select all <input type="checkbox"/>	Search <input type="text"/>							
Add To Quote	Quantity	Name	Description	Part Number	Based on Product	Category	Delete	
<input type="checkbox"/>	<input type="text"/>	Consulting	One hour of consulting	CNSLT	Consulting	Billable Resources Examples		
<input checked="" type="checkbox"/>	1	CRM Evaluation	CRM Evaluation for Small Business	EVAL	Software Evaluation	IT Project Examples		Customize
<input type="checkbox"/>	<input type="text"/>	Enterprise Web Site	Enterprise edition with 300 GB disk space, with SSL and Analytics	HST-WEB	Hosted Website	Managed Services Examples		Customize
<input type="checkbox"/>	<input type="text"/>	ERP Software Evaluation	ERP Software Evaluation for fortune 500 companies	EVAL	Software Evaluation	IT Project Examples		Customize
<input type="checkbox"/>	<input type="text"/>	Small Business	Small Business edition with 50 GB of storage	HST-WEB	Hosted Website	Managed Services Examples		Customize

1 Show 10 Items. [Add To Quote](#)

Product Types

Quote Comment

Automation and calculations-2

Fig 11.8

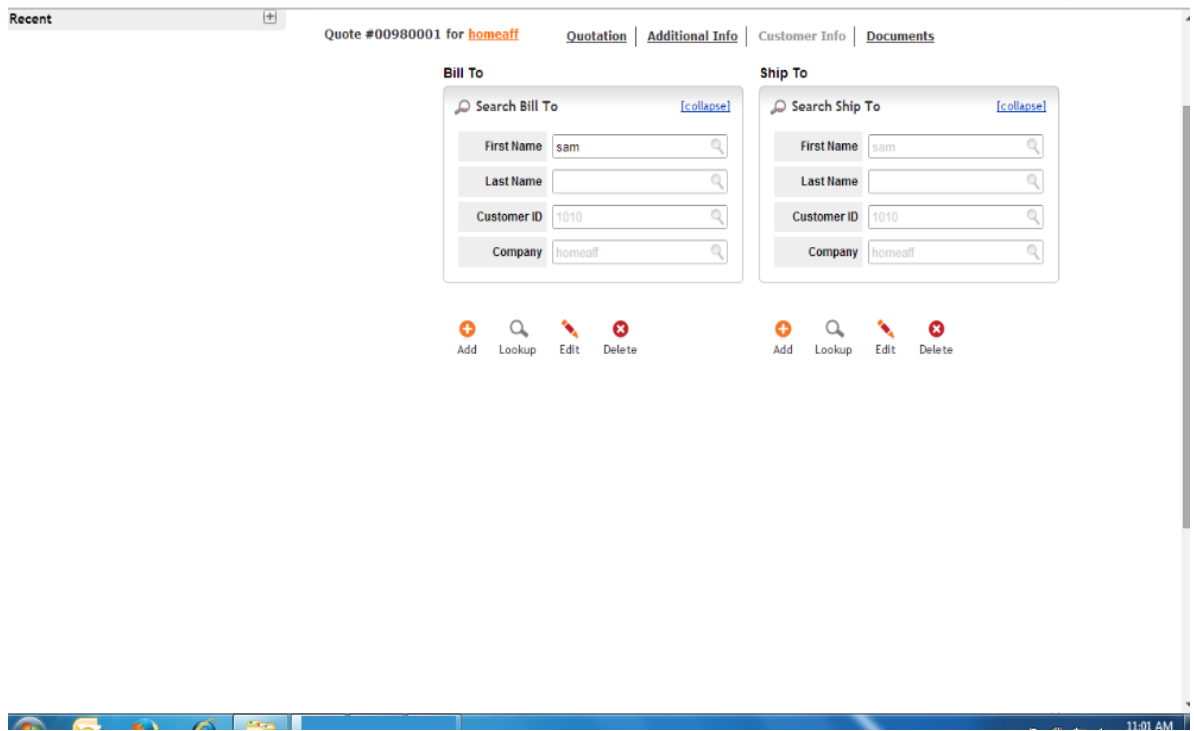
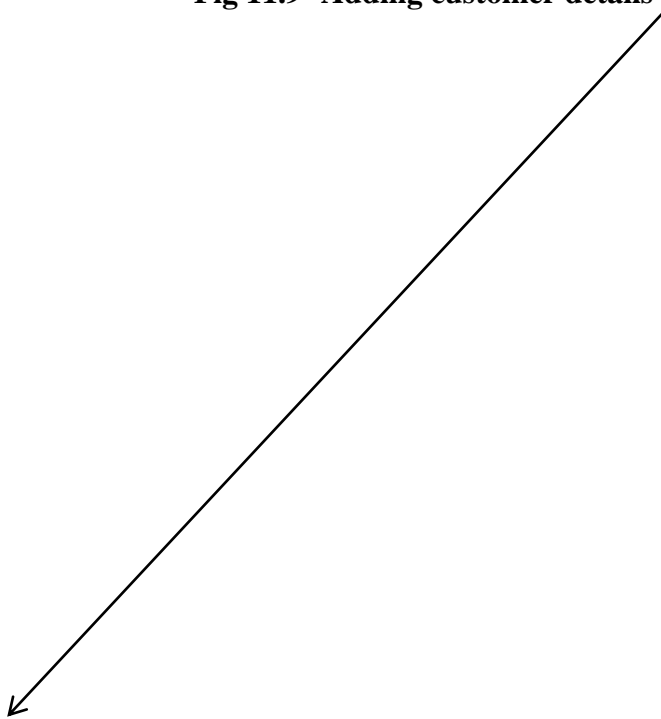
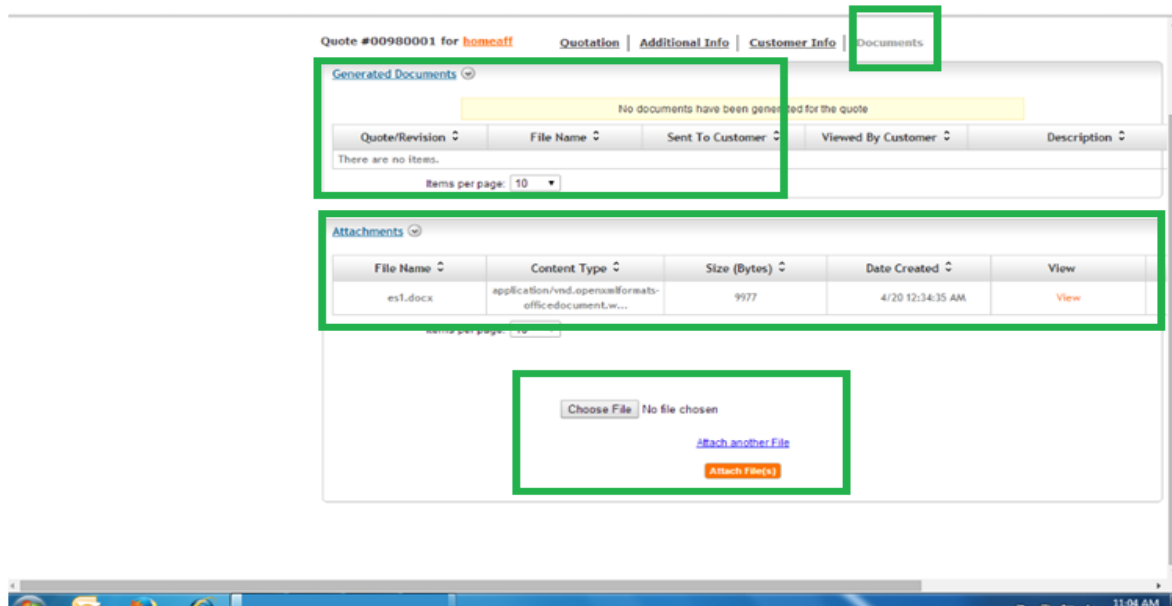


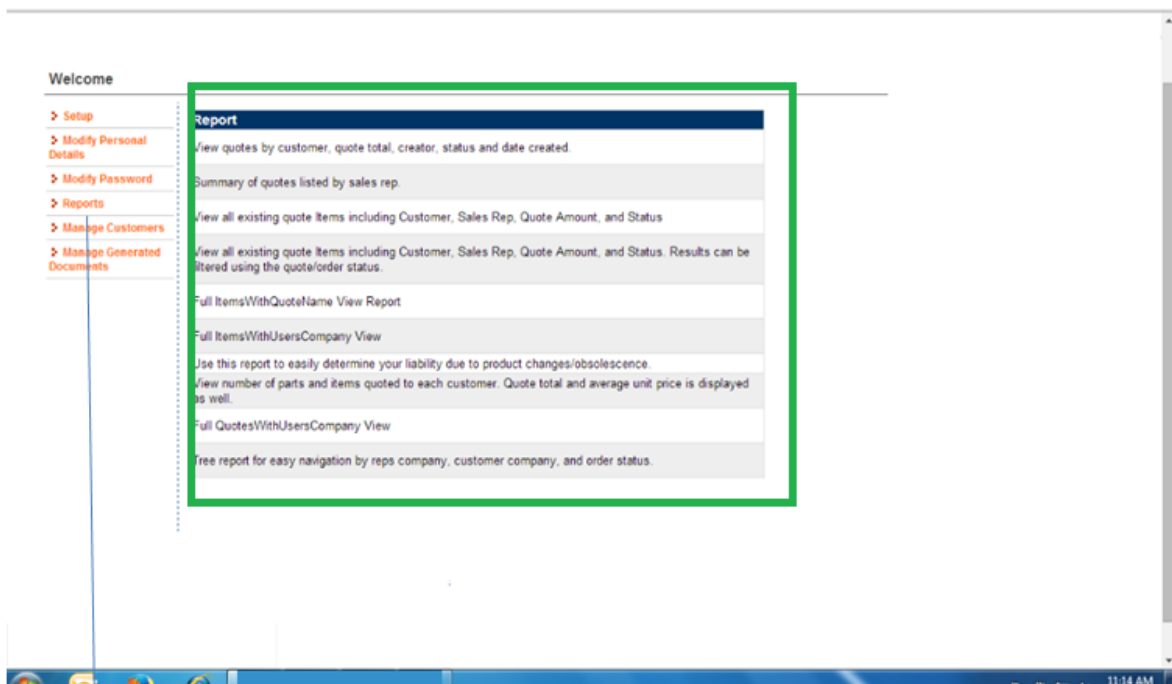
Fig 11.9- Adding customer details





Documents management

Fig 11.10



Reports selective

Fig 11.11

Report Existing Quotes/Projects Report

Get Report

CustomerCompany	Created By	Total Amount	Quote/Project Name	Status
	John Smith	150.00		Preparing
	John Smith	340.00		Preparing
	John Smith	0.00		Preparing
	John Smith	0.00		Preparing
	John Smith	2,925.00		Preparing
	sagar	1,160.00		Preparing
Acme, Inc.	John Smith	75.00		Preparing
Acme, Inc.	John Smith	295.00		Preparing
homeaff	sagar	5,250.00		Preparing
Inc.	John Smith	1,300.00		Open

Page Size: 10 Change

Export Reports

11:25 AM

Report generated and export option

Fig 11.12