

A project report on

**MERCHANDISE SOLUTION WITH RATIONAL
MECHANISM**

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

MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

PRIYA SHAW
1CR16MCA22



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

A project report on

**MERCHANDISE SOLUTION WITH RATIONAL
MECHANISM**

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

MASTER OF COMPUTER APPLICATIONS
Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

PRIYA SHAW

1CR16MCA22



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

A project report on

**MERCHANDISE SOLUTION WITH RATIONAL
MECHANISM**

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

MASTER OF COMPUTER APPLICATIONS

Of

Visvesvaraya Technological University
Belgaum, Karnataka

By

PRIYA SHAW

1CR16MCA22

Under the guidance of

Internal Guide

Ms. Gomathi.T

Asst. Professor&HOD
Department of MCA
CMRIT, Bangalore

External Guide

Mr. Abhishek

Technical Manager
Meta Techsys
Bangalore



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

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



CERTIFICATE

This is to certify that the project work entitled

**MERCHANDISE SOLUTION WITH RATIONAL
MECHANISM**

*Submitted in partial fulfilment of the requirement
for the award of the degree of Master of
Computer Applications
of the*

*Visvesvaraya Technological University, Belgaum, Karnataka
is a result of the bonafide work carried out by*

PRIYA SHAW
1CR16MCA22

during the academic year 2019-2020.

Signature of the Guide
Ms. Gomathi.T
Asst.Prof & HOD,MCA

Signature of the HOD
Ms. Gomathi.T
Asst.Prof & HOD,MCA

Signature of the Principal
Dr. Sanjay Jain
PRINCIPAL, CMRIT

External Viva

Name of the Examiners

Signature with date

1.

2.

DECLARATION

I, **Priya Shaw**, student of 6th MCA, **CMR Institute of Technology**, bearing the USN **1CR16MCA22**, hereby declare that the project entitled “**MERCHANDISE SOLUTION WITH RATIONAL MECHANISM**” has been carried out by me under the supervision of External Guide **Mr. Abhishek**, Technical Manager, Meta Techsys, Bangalore and Internal Guide **Ms. Gomathi.T, Asst. Prof & HOD, Dept. of Master of Computer Applications** and submitted in the partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the **Visvesvaraya Technological University** during the academic year 2019-2020. The reports has not been submitted to any other University or Institute for the award of any degree or certificate.

Place: Bangalore

Priya Shaw

Date:

(1CR16MCA22)

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. Abhishek, Technical Manager, Meta Techsys, Bangalore, and to my Internal Project guide Ms. Gomathi.T, Asst.Prof & HOD, Department of MCA, CMRIT, Bangalore without whose help and support throughout this project would not have been this success.

I am thankful to Dr. SANJAY JAIN, Principal, CMRIT, Bangalore for his kind support in all respect during my study. I would like to thank Mr. Abhishek, Technical Manager, Meta Techsys, 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.

Priya Shaw

(1CR16MCA22)



CERTIFICATE

This is to certify that the project titled "Merchandise solutions with rational mechanism" is submitted to Metatechsys in fulfillment of the requirement for the final semester degree of MCA from CMRIT, Bangalore.

The project is a bona fide record at work carried out by Miss. Priya shaw (ICR16MCA22) under the supervision and guidance of Mr. Abhishek (Technical Manager) Metatechsys, Bangalore between the periods from 30th December 2019 to 30th May 2020.

The source code of the Project is not issued to the trainee as per the policy of the company. Screen print for the application is provided in limited no's.

Best regards,

META TECHSYS
92A, 7th Cross,
Mr. Abhishek Domlur Layout,
Technical Manager Bangalore-560 071
(For Meta Techsys)

No 92 A, 7th Cross,
Domlur Layout,
Bangalore 560071
Email: info@metadatatechsys.com,
Contact- +917204404772,
Web: www.metadatatechsys.com

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	6
	2.3 Tools and Technologies Used	8
	2.4 Hardware and Software Requirements	10
3.	Software Requirement Specification	12
	3.1 Functional Requirements	12
	3.2 Non- Functional Requirements	15
4.	System Design	17
	4.1 System Perspective	17
	4.2 Context Diagram	18
	4.2.1 Data flow diagram of admin	19
5.	Detailed Design	23
	5.1. Use Case Diagram	23
	5.2. Sequence Diagram	26
	5.3. Class Diagram	29
	5.4. Activity Diagrams	33
	5.5. ER Diagrams	34

6.	Implementation	38
	6.1 Screen Shots	38
7.	Software Testing	44
8.	Conclusion	48
9.	Future Enhancements	49
10.	Bibliography	50
11.	User Manual	51

1. INTRODUCTION

1.1 PROJECT DESCRIPTION:

Business representation and different references of marketplace identity is needed by different companies so the system is designed to formulate multiple considerations of exploration, self-customization, broadcasting, collaborated acknowledgements etc. that can be channel with multiple references. The system is integrated with multiple acknowledgements of analytics that will be utilized for the differential visibility of the witness which can be operated from the same system. The system provides multiple references of peer optimization which will be helpful and will be provided on the cloud platform so that even the reach can be on a global scale. References of the business that are required to be optimized will be properly understood as the system is incorporated with multiple types of related information tracking and Analytics. Analytics will be used for referential information provision and even for getting different types of market related information so as the perception of peer optimization is needed the system can be utilized for multi-reference information gathering and prepare different types of analytical statistics.. As the statistics are provided to the users it will be helpful to understand the considerations because even the references of the information will be in real-time and will be decide in such a way that all types of preferences that are required can be properly generated. The preferences that are required to be established will be full filled with the help of multiple types of categorical and related provisions that are included. The system also provides inbuilt references for which the related global platform design implementation and control can be established. All types of references of global platform is established from a single system so any time the user required to build a professional reference it can be done with the help of different types of categorical inbuilt provisions provided within the system. All types of components that are required to be acknowledge for the design is associated and inbuilt reusability will be provided. Multiple types of conditional setup are also associated within the system where all types of references can be utilized based on the working regulations. Multiple types of status can be performed and even the system provides an allocation of the space which will be utilized for the hosting. The hosting process when

acknowledge will be guided and requires different types of sectors and selection of the repository designs. The system also provides multiple variations of control panel which will be utilized for the real-time references for which the platform has been established. The system acknowledgement is associated in such a way that at the same time multiple types of relative references can be acknowledged by the companies which will be helpful to make the system of place where all individualized functions with all types of productivity can be utilized. Multiple strategic Gateway inclusions are also provided which can be included within the system to establish different references of financial consideration so we can say that all overall perception so the work is acknowledged on a central system.

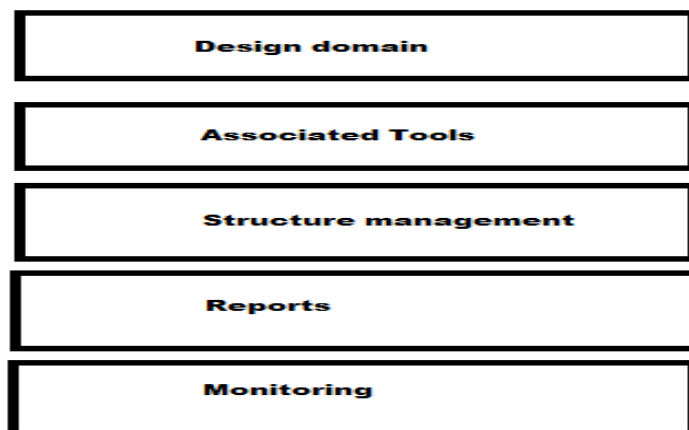


Figure1: Components of business

The figure shows the main components of the business

The references of the utilization will differ from different organizations so a detailed customization provisions will be included which has to be referenced in such a way that each user can consider the requirements with flexibility. Types of design contents are included which can be established in such a way that any considerations of the designs by the users can be acknowledged. Multiple references of the app usability is also provided within the system with the help of related tab which can be utilized for direct incorporation of the third party collateral. The system also provides multiple types of enhancement activities that can be performed where multi consideration of the optimal usage and analytics will be associated.

The system also provides the variation of statistics that will be based on different types of charts which will be utilized to establish a detailed reference which will be based on different types of water conservation that will be undertaken so the system can be customized according to which the related offences of report will be provided. Multiple activity tracking is also associated so that centralized control can be achieved and various types of settings will be incorporated in such a way that all types of references of workability can be properly associated in accordance to the requirements so if a particular option is required to be used the system provide the workability in detail. Even the global identities can be organized from a single system and all the global references can be channeled with different work formations and regulations.

1.2 COMPANY PROFILE:



Profile

Numerous product arrangement and administrations are given to help keep up the intricate capacity plan and counseling in different points of view for the related customers. To give an engaged Win-Win arrangement the organization is into numerous sort of scientific recognition comprehension and announcing where appropriate raging plans are required to be intended for undertaking various kinds of business thought. Various affiliation based devices for dealing with an appropriate usefulness is likewise hand crafted so the customers will satisfy the necessary working imminent.

We structure and offer the types of assistance to respect the related client desire with serious prerequisite investigation and plan. Kinds of business discernment are embraced with the assistance of skill group which will chip away at a customized work organizing for the customers. Multi-level customer server arrangement or the related statistical surveying the organization is productive for the specific prerequisite accuracy with more savvy execution affiliation and structure.



Different innovative work for understanding the work necessities

Worldwide customer working observations

Expounded solid work group in various aptitude

Different reviewing regarding consumer loyalty

We offer the going with organizations:

Testing, usability testing for application and locales

SMS organization applications

Market research and analytics

Complex Internet-based courses of action,

Online business applications,

Work area programming

2. LITERATURE SURVEY

2.1 EXISTING SYSTEM AND PROPOSED SYSTEM:

Self-acknowledged working is not supported in the existing system and even when different types of global references are required to be organized the companies are facing lots of problem for the implementation so when we have inquired different clients we found that various types of workability problems where acknowledge. The major problems that we have encountered with the clients are in terms of customized and collaborated working. Some of the important problems that are being referenced and outlined in terms of the clients are listed as following-

- ✚ Various types of customization requirements that have needed for different types of business identity based action is not supported in the existing system so the clients are using pre-built provisions which has to be utilized according to the design so the customization is not supported in existing scenario.
- ✚ In the existing scenario even we found that usability of the prebuilt consideration for not acknowledged so any type of operations that are required to be performed has to be drafted manually.
- ✚ Global perceptions of the client and the related activities are also not supported in different formation so different types of related activities based on clients are required to be managed individually.
- ✚ Commercial usage and design with all types of based modifications is not supported from a single interface to be organized and each type of references are required to be established individually.
- ✚ Parallel support of different types of activities on a larger scale with all types of scalability is also not supported in the existing system which is quite difficult to be organized as different environment setup needed.
- ✚ Data security risk is also taken at the perception by the clients as a problem because when different types of an article understanding and working references are acknowledged different types of setups required to reference the data generated.
- ✚ The analytical perceptions in different references are also not supported in the existing system show different types of stages related to the analytics is required to be organized on the individual references.
- ✚ Distributed control for different types of references of working is not supported in the existing scenario show all types of references of work is acknowledged by different companies according to their own perceptions which requires investment.

Proposed system

The propose system is based on distributed working where all aspects of referential information analysis and different considerations of optimal working is associated so we

have taken the considerations of existing system problem and then the related options are drafted which will be included in the proposed system. The propose system is well acknowledged with all types of analytical previews and with different references of design and implementation which will provide integrated consideration to global identity.

Important references of the proposed system is listed as following-

- ✚ Customization is taken as the main perception of the design of the proposed system because any type of related working can be customized and even custom design formations for the commercial platform is undertaken within the system.
- ✚ Usability formations are provided within the system so any type of reference of app required to be acknowledged for any type of reference based on different types of consideration of design can be properly acknowledged this will help to do the related operations fast.
- ✚ Global perceptions can be organized with the help of the propose system where multiple Global identity related activities can be performed so multiple types of working that is associated with the company's clients can be properly organized.
- ✚ The system provides a detailed design of a platform which will be utilized on a commercial all references of commercial requirements are provided so that properly the requirements can be setup and utilized where even the implementation and control is provided.
- ✚ Parallel support and large scale will be provided as multiple types of activities are considered and this will provide the flexibility of usage with different customized rules and regulations.
- ✚ Property data security concerns are acknowledged and a detailed cloud depositories is established where again the customization can be performed according to the requirements of the security needed by the users.
- ✚ Analytical references are included that will be very much helpful to get the decision making work done properly in the propose system various references of unilateral associations are included.
- ✚ The system can be used released in distributed formation which will include or types of considerations of tracking working analytics where even the design is for the optimized commercial list activities can also be acknowledged.

2.2 FEASIBILITY STUDY:

We have to restaurant the feasibility study as to understand the practicality of the system usage and workability requirements so any type of requirements that are needed for the design and implementation of the system has to be properly drafted so that we should not face any type of problem in real time.

Operational feasibility

Technical

Financial feasibility

Operational feasibility

Operational considerations are acknowledged in terms of the operation so if any type of problem arises in the working it has to be properly recognized so support team will be designed. Different references of development schedule and other related corporate culture will be accomplished for the references of design and working. The system will be designed in such a way that it will be supported and usable in different considerations of work where multiple domain organizations can use it so even related design documents for different types of work considerations will be acknowledged. Detailed training will be provided to the users so that they can consider the requirements properly.

The technical feasibility

The technical feasibility is associated with the technological provisions where we required that how the references of Technology will be implemented to solve the problem. All types of problems will be associated and detailed design provisions will be acknowledged before the system is being started for the design. All types of related working will be provided within the company and government where the established considerations will be acknowledged so that each user should have a related workability and all types of resources will be also provided All types of Technical references in front of the design requirements which will be established will be checked so that each user can have the considerable use abilities and different types of perfection when it is used in the real time.

The technical considerations will be properly established and detailed process designing will be done and even different types of prototype references will be generated.



Figure2: Feasibility study

The above figure shows that how different feasibility study is required

Financial feasibility

Financial considerations are very much important to be referenced because for any type of implementation in design investment is required so a detailed design of the investment prospectus will be generated.

All types of conditions that may arise in the future will be referenced properly so that any type of adverb situation can be handled.

Financial requirements are important as all types of funding potentials can be properly use in established.

2.3 TOOLS AND TECHNOLOGIES USED:



C#

licenses various types of irregular state tongues executable codes with Runtime condition as it is planned for fundamental language structure. C# is a bit of spot net framework and it will in general be collected on arrangement of PC stages where as it is much more straightforward to learn and it is addressing centered which suggests it's entirely usable. It is moreover arranged with the section and even we can say it is a sorted out language.

Microsoft gives the accompanying advancement apparatuses to C# programming –

- (VS) Visual Studio 2010
- (VCE) Visual C# 2010 Express
- Visual Web Developer

MYSQL

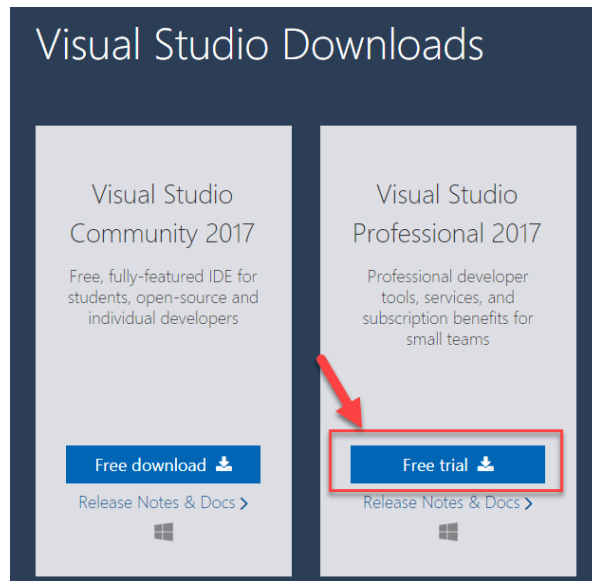
For making sure about controlling and recovering the store information in a social database we will be utilized in formed solicitation language. Various endorsements can be set out to the related methodology perspectives and tables, Awards creation and the main gathering of database and tables.

Clients are permitted to get to the information

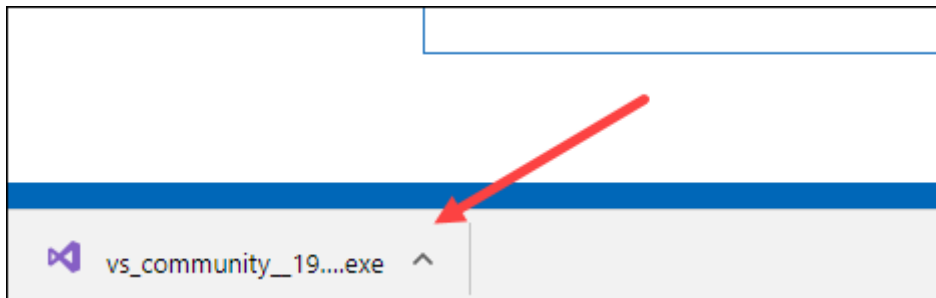
Controls and depict the information in the database

Supplement inside different vernaculars will be permitted

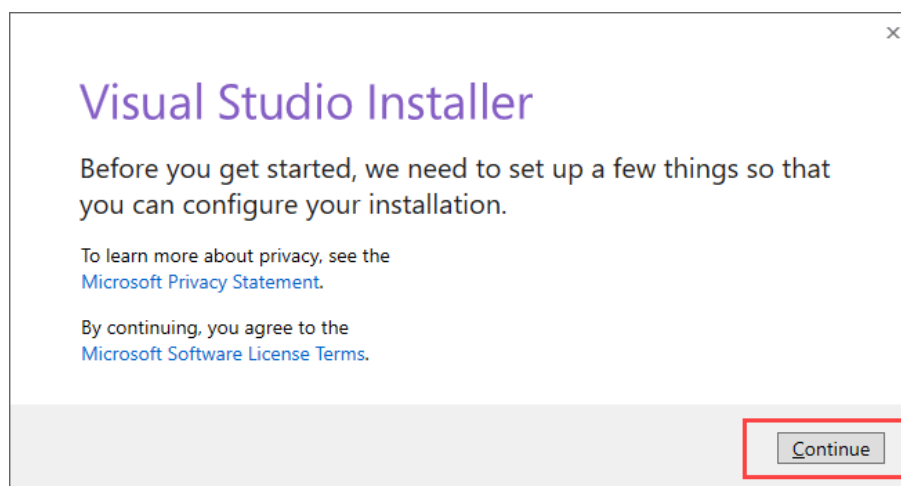
Install Visual studio **Step 1)** <https://www.visualstudio.com/downloads/>



Step 2) Click on the downloaded exe file



Step 3) In the next screen, click continue



2.4 HARDWARE AND SOFTWARE REQUIREMENTS:

Hardware requirements

Computer processor -4th generation Intel core i3

Clock speed -1.7 GHz

Hard Disk -500 GB

Space RAM -4 GB

Software requirements

Operating System: Windows

Visual studio 2019: To handle C# code

NET Framework 4.7.1: To handle environment

Sql server 2014/Oracle: To maintain database

Cloud service integration- Amazon S3 or EC2

3. SOFTWARE REQUIREMENTS SPECIFICATION

USER:

Administrator

The administrator is a reference person who will be having that acknowledgement of different types of user integrations and even the client integrations for different reference

activities Associates. Different types of global identity and the employees will be at it with different perceptions of working so the Associates will be using the system for some type of work references what they require for what has been assigned to them by the administrator.

Scope and objective

Important scope of the system is that it provides the flexibility of visibility and flexibility of analytical working to the organizations so any reference or domain of organization can utilize it for the business preferences.

The main objective of the system is to provide the customization and to provide multiple inbuilt reference this so that the users will find it easy to established the global visibility and even can plan it properly with the help of journal article reference is included.

Problem statement

Important problem reference is to acknowledge the customization based on platform and based on different types of application status that will be included within the system. Multiple references of statistical preferences that are required to be generated is also a major problem which has to be acknowledged and accomplished because different types of research information for Planning can be asked by the clients.

Dependencies and assumptions

Related dependency of the system is that all types of clients and all types of related users are required to log into the system for various types of references of working.

The main assumptions of the system is that administrator has to provide proper authentication to the users so that they can perform all types of related activities + the user should be having a detailed knowledge about the workability so if any type of new design has to be done the user should have the related information about that or if any type of analytics is required to be undertaken the related user should know how to perform Data Analytics.

3.1 FUNCTIONAL REQUIREMENTS:

Functional requirements will show us the processing of the function as we have to include all types of inputs and outputs also for getting a clear understanding so that table will be designed with all types of references and even triggers will be added.

Table1: Structuring element

Use Case Name	Structuring element
Trigger	Selective
Precondition	Authentication
Process	Structuring element of the system will be provided where the user will be having the constable options to select from different types of applications from different sets of usable templates and other references of the working consideration usability will be associated in such a way that administrator will be having the reference of the selections and even the rights will be provided to other users
Post-condition	Details added

Table2: Design preferences

Use Case Name	Design preferences
Trigger	Selective
Precondition	Authentication
Process	Design preferences are acknowledged in such a way that all types of commercial can preferences can be achieved so the system provides multiple options of designing and at the same time the

	<p>related variation of hosting is also provided whereas the system also provides detailed workability in terms of the control panel for monitoring and managing identities onto the design platform.</p> <p>All types of references can be centralized and can be organized according to the requirements.</p>
Post-condition	Reference of designs seen

Table3: Analytical reviews

Use Case Name	Analytical reviews
Trigger	Selective
Precondition	Authentication needed
Process	<p>Analytical reviews are associated where again the conditions of information that is required to be generated can be selected and accordingly the information will be provided.</p> <p>Multiple types of customization options of divided so that the analytical reviews can be generated in accordance to the reference so if the workability information is needed the system can be utilized in that particular way otherwise any type of relational perception understanding based on ethics is required it can be also performed..</p> <p>System processes the information and provides the format of analytics</p>
Post-condition	Different considerations used

Table4: Real time processing

Use Case Name	Real time processing
Trigger	Selective and auto
Precondition	Working allocation undertaken
Process	Real time processing and structured channeling is provided by the system so any type of information that is provided

	<p>for any type of structural working that is based on the data synchronization and security will be undertaken in real time.</p> <p>The system will process the structured working in a reference of understanding which can be achieved by the customization.</p>
Post-condition	Accuracy maintained

Table5: Associated Global identity

Use Case Name	Associated Global identity
Trigger	Inputs and selections
Precondition	Authentication required
Process	<p>Associated Global identity will be provided so from the help of the control panel multiple provisions of users can be maintained where is even the organizational users can be maintained according to the work considerations in requirements.</p> <p>Multiple possibilities of the control can be achieved with the help of the system.</p>
Post-condition	added

3.2 NON-FUNCTIONAL REQUIREMENTS:

Non Functional will help us to maintain the requirements of the clients in real time working so to achieve a proper adaptability of the system and different types of security requirements and understanding requirements multiple perceptions of quality based requirements will be associated and will established

Scalability

We have to provide scalability as inside every account multiple types of application will be used and even multiple types of platform design will be incorporated where again other users will be added on a global perception so any type of workload will be managed by

the system. Scalability is important as different types of users will be used in the system with different consideration

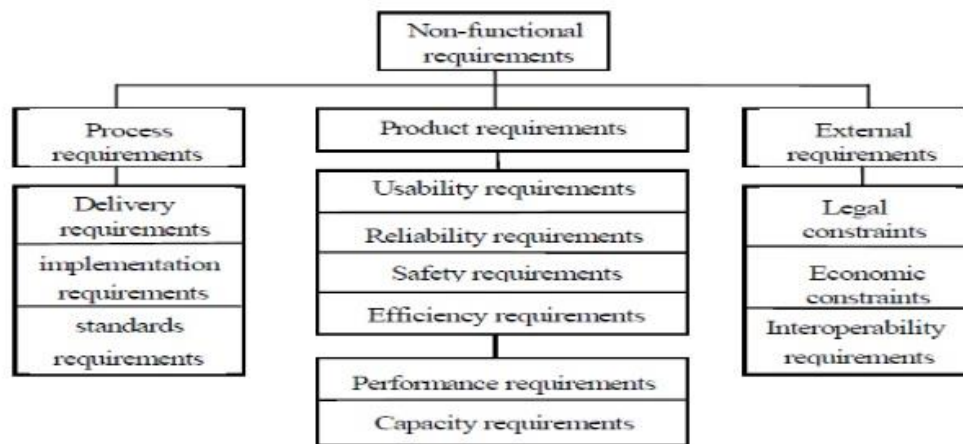


Figure3: Describes multiples of sections of the non functional requirements

Adaptable

The system will be adaptable as different types of perceptions can be utilized so if only for analytical reviews it is required it can be utilized where is if the system is required to be utilized for different types of application usage there also the system will provide the support and even if all types of provisions including the commercial activities are required to setup can be done.

Legal

Legal orientations are important because we have to establish the detailed references in which the system will be working and this will be done with the help of detailed consideration of the process that will be written so that the users will have a detailed understanding about the usage perception.

Security

Multi security concerns will be acknowledged because the analytical data and the work in data will be associated with the system so we will be using the encryption algorithms for example the advanced encryption standards and the secure socket layer in will be utilized.

Documents

We require proper understanding so when the templates and other provisions of the work is associated it is generated in such a way that detailed knowledge can be associated and we will be doing this by providing the clients with multiple document set. The documents are provided in such a way that users can have a detailed understandability and provisional work acknowledgements.

4. SYSTEM DESIGN

4.1 SYSTEM PERSPECTIVE:

Architecture diagram shows all types of architectural display individualized format for the viewer so that all associated information can be checked at a glance. The referential details can be acknowledged by seeing the architectural diagram.

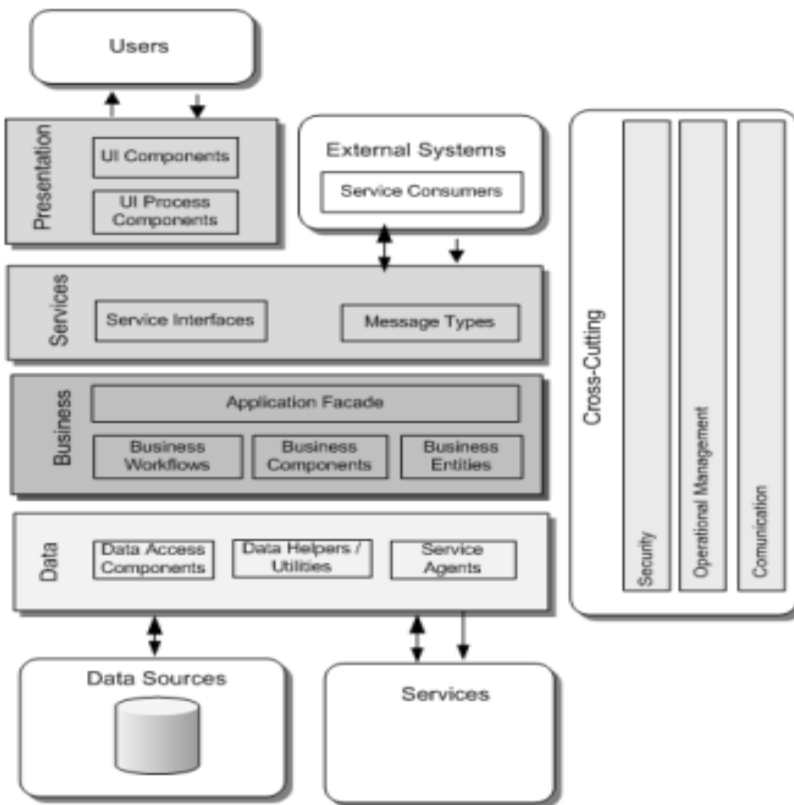


Figure4: Architecture diagram

The above architecture diagram shows all types of representation components that are associated within the system so that different types of required business logic and service provisions can be utilized whereas how the system processes the requirements in different stages of architecture.

4.2 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 clarify the boundaries of the software system is under taken.

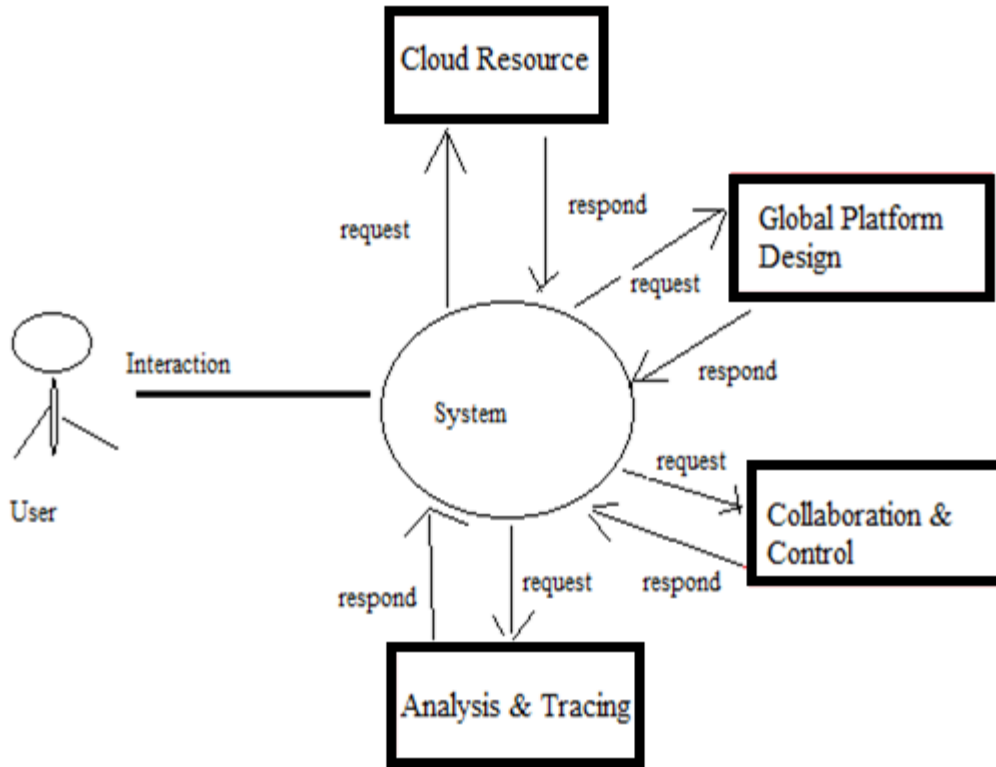


Figure5: Context Diagram

Context diagram shows different types of interactions with the user will be undertaking to have the Global platform design formation and other analytical activity single system and even various types of cloud resources will be available.

4.2.1 DATA FLOWDIAGRAM OF ADMIN:

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

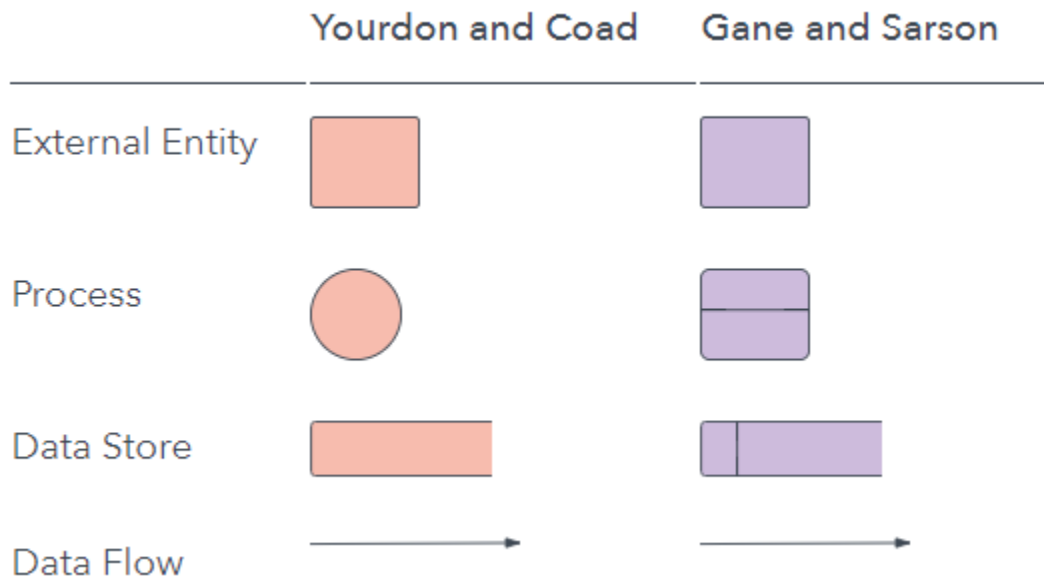


Figure6: Data Flow Diagram

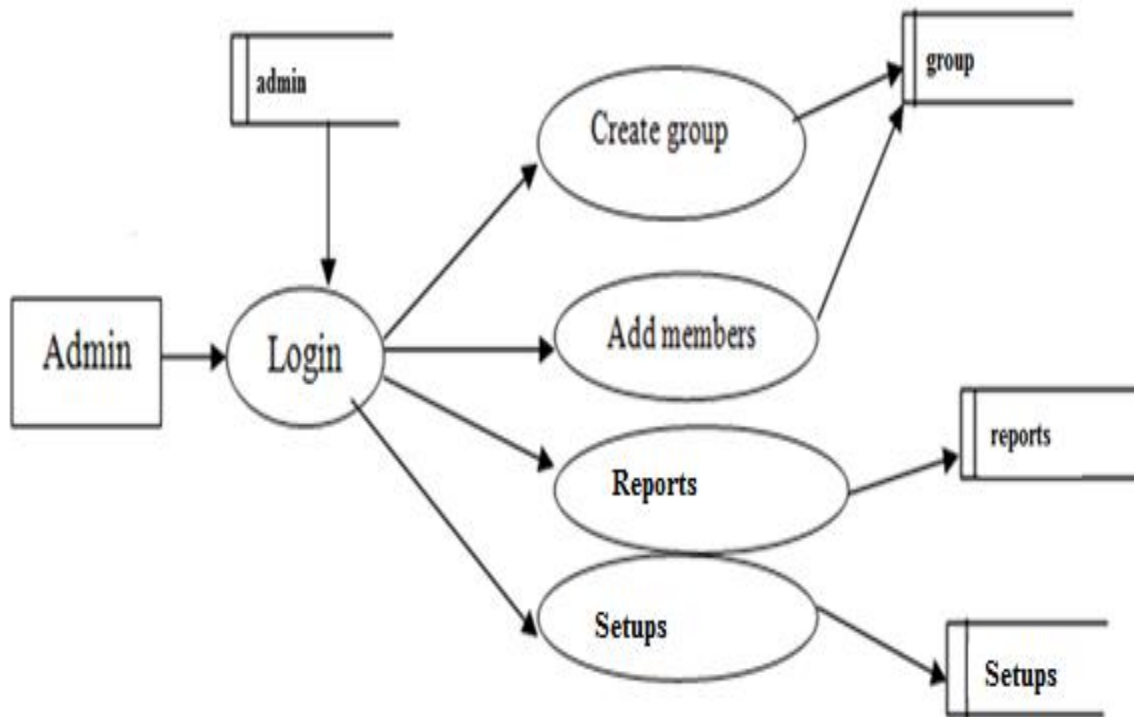


Figure7: Admin DFD

Administrator data flow diagram is shown which shows that have different types of settings and other user accessibility management will be undertaken.

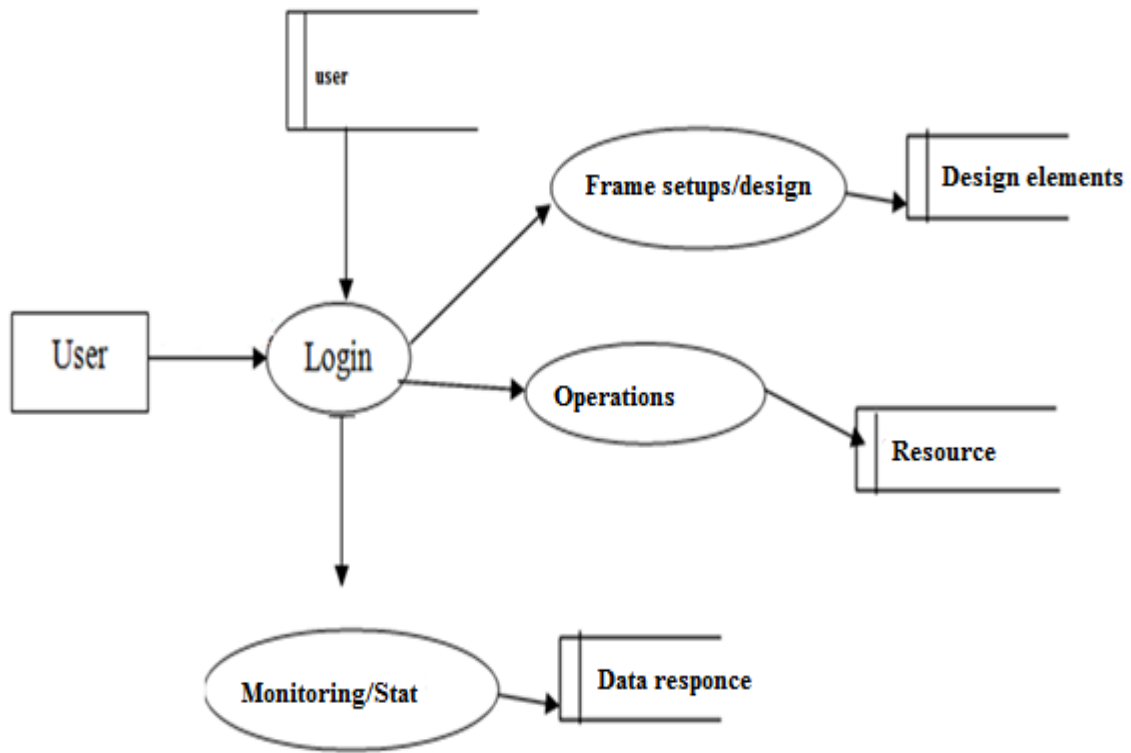


Figure8: User DFD

The above data flow diagram shows that how the users will be utilizing the designing elements and other resources to conduct different types of processing of business activities

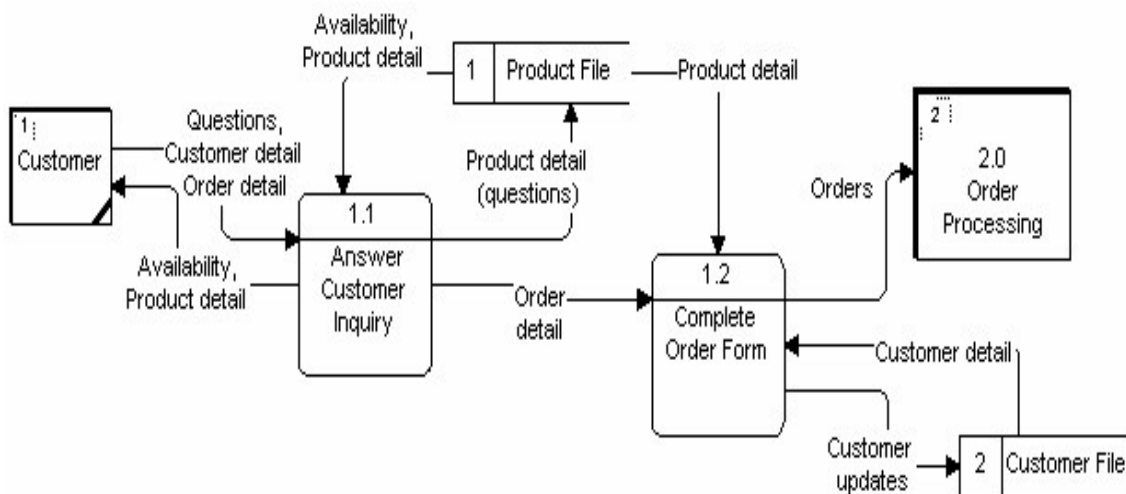


Figure9: Order process DFD diagram

On the commercial platform how the order processing will be undertaken is shown in different stages through the customer interface

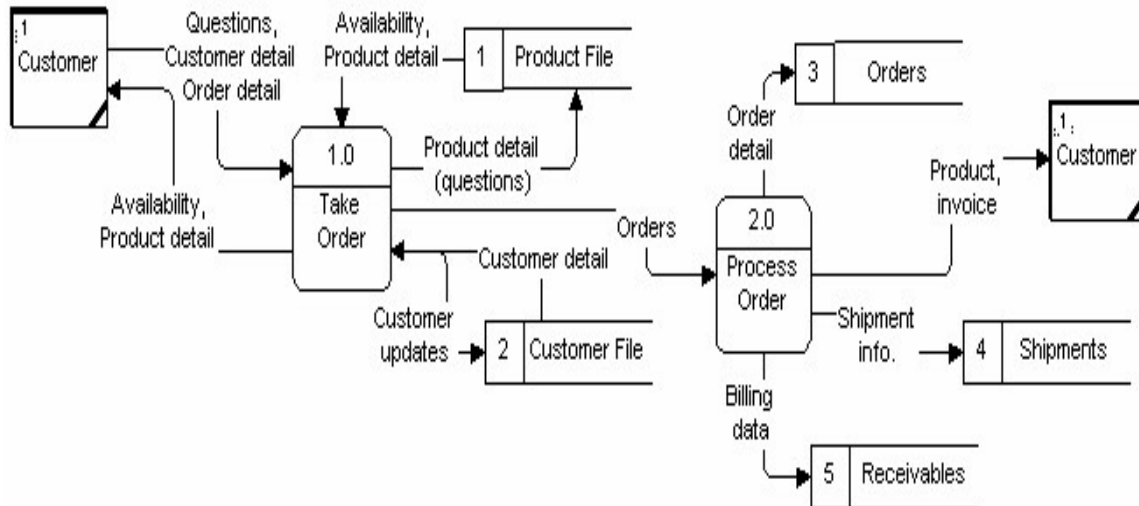


Figure10: DFD for process management

System processing is shown in the above data flow diagram that how the related interface process in relation to the clients' requirement will be undertaken by the system

5. DETAILED DESIGN

5.1 USE CASE DIAGRAMS:

Use case diagram shows all types of interactions and relationships between the user and different types of use cases where the user is involved for the referential usage.

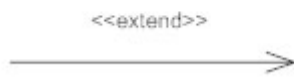




Use case



Actor



Relationships

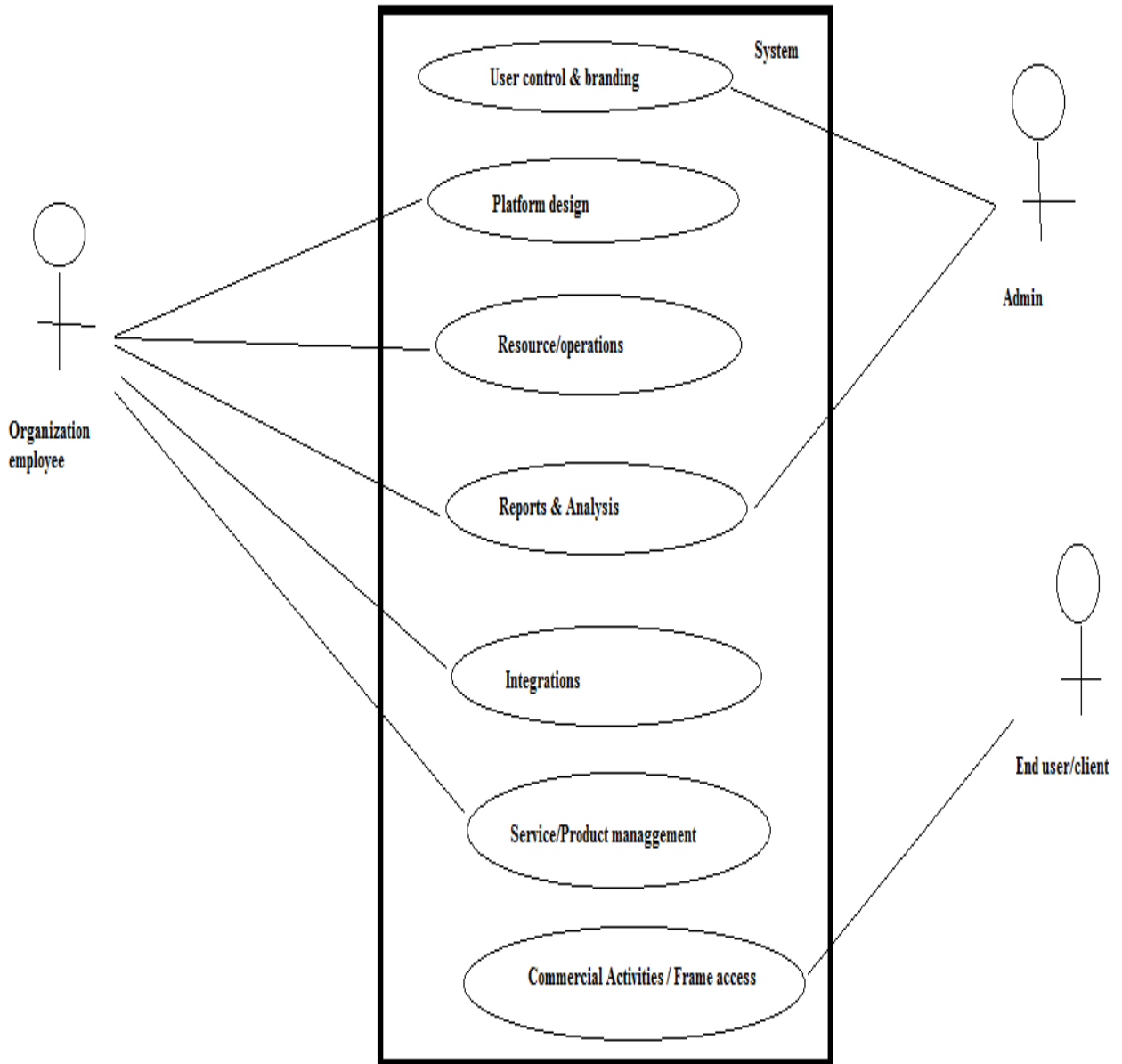


Figure11: Use case diagram

The above use case diagram shows that how organizational employees the end-user clients and the administrator can utilize the system administrator will be having defining references the organizational employees will be having different concepts of resource usage in Analytics where is the third party clients will be performing commercial activities.

5.2 SEQUENCE DIAGRAM:

Sequence diagram is associated with different types of arrangements based on objects interaction in a time sequence. Sequence diagram also shows the referential message exchange between the objects needs to carry out the function of the scenario which is undertaken

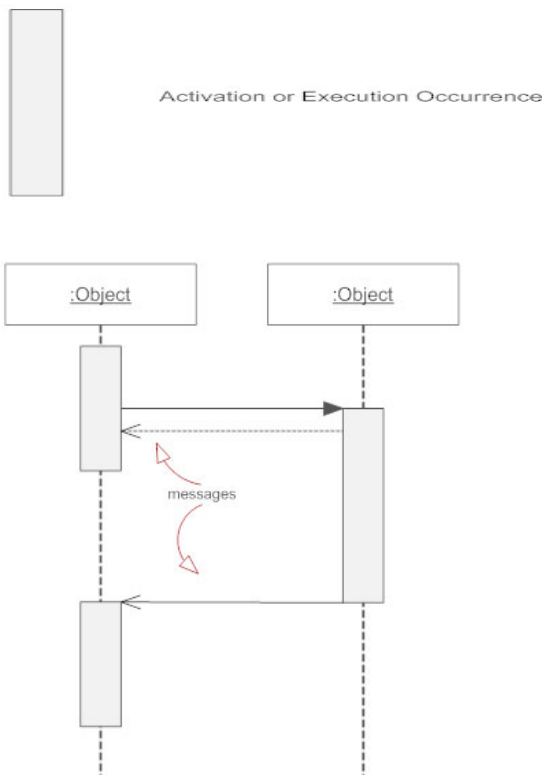


Figure12: Sequence Diagram

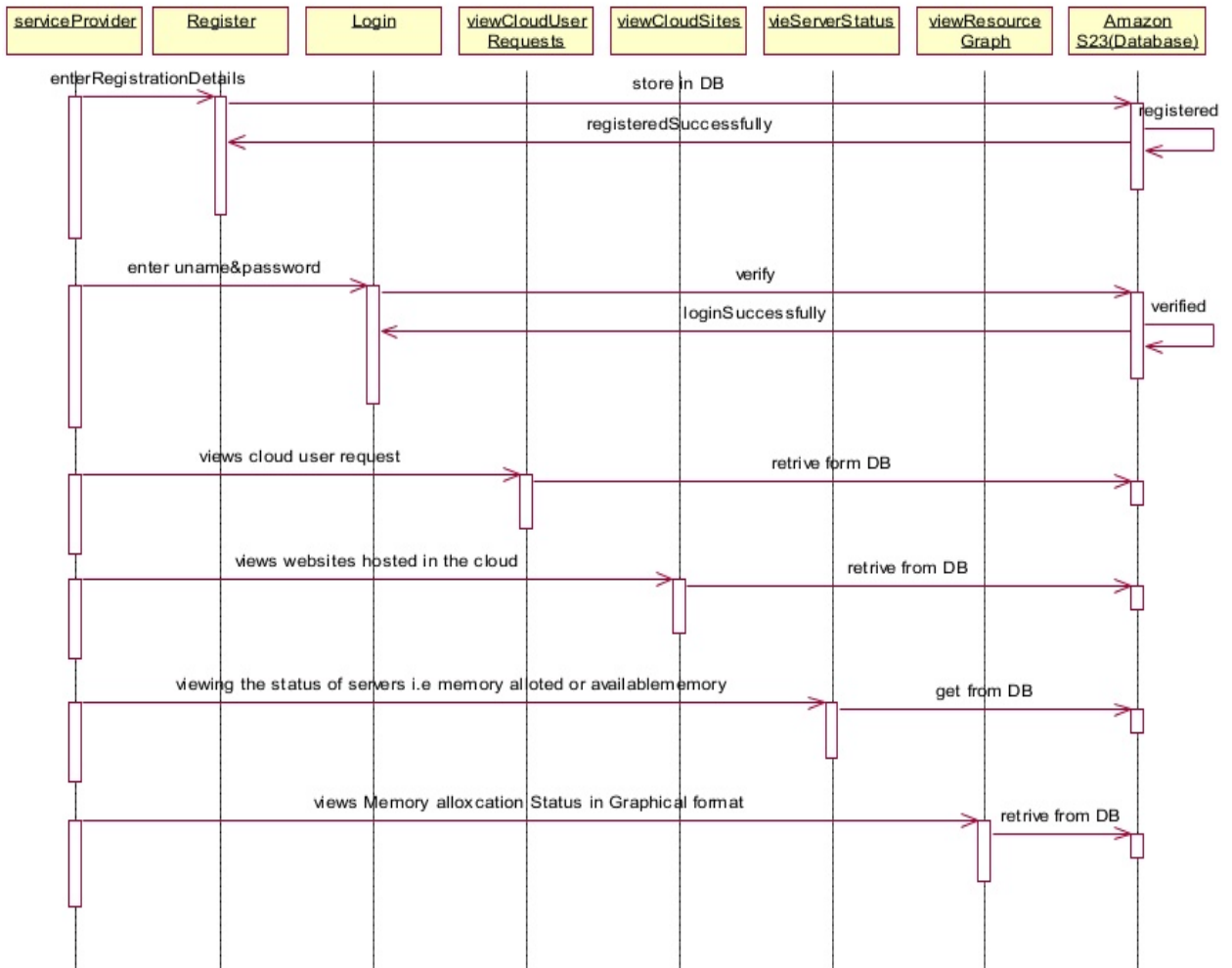


Figure13: Sequence diagram for resource

The sequence of integrated working and data management on to the Cloud Service Amazon that is undertaken is shown above with different sequences of log in and status graph preferences.

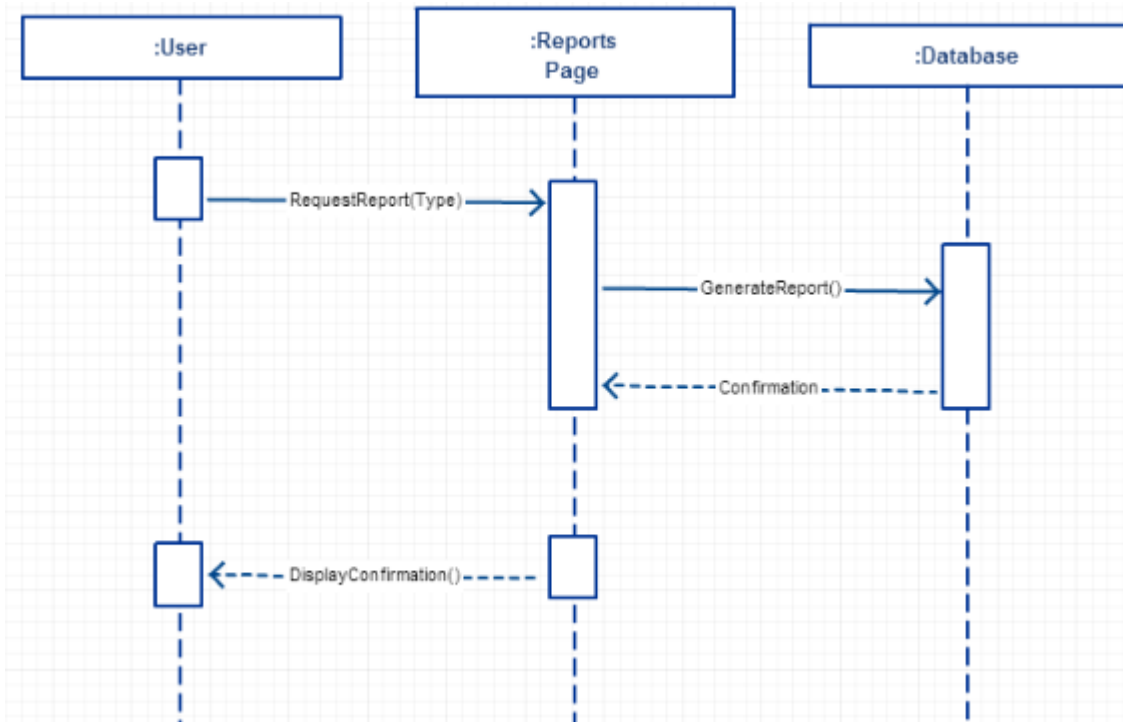


Figure14: Report access sequence diagram

The above the current diagram shows that how from the data preferences the reports can be accessed for the centralized control and to get the working information.

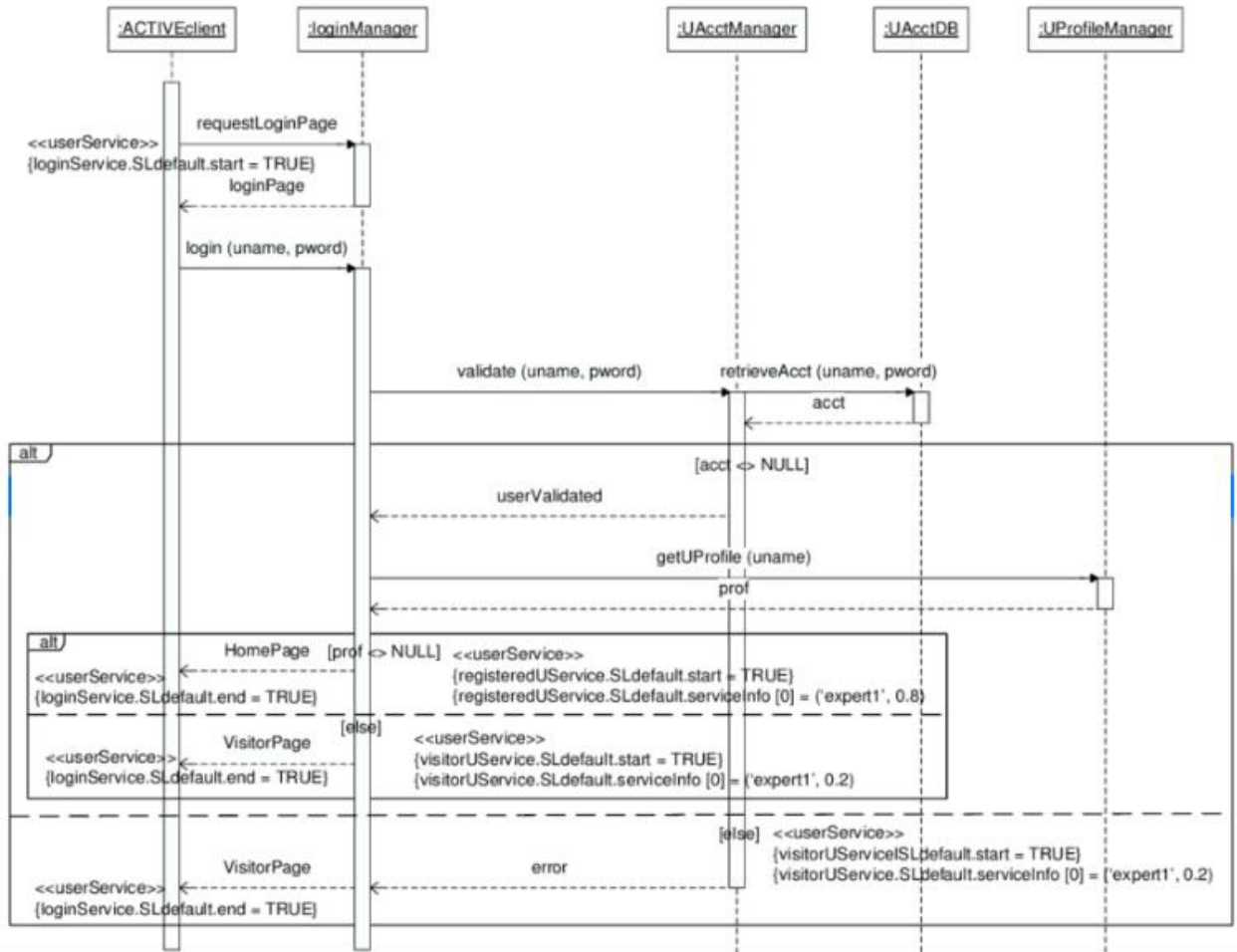


Figure15: Sequence for client login on the design frame

All different types of accessibility control that has to be provided for the users and types of global clients as shown above in terms of validation and in terms of profile management.

5.3 CLASS DIAGRAM:

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

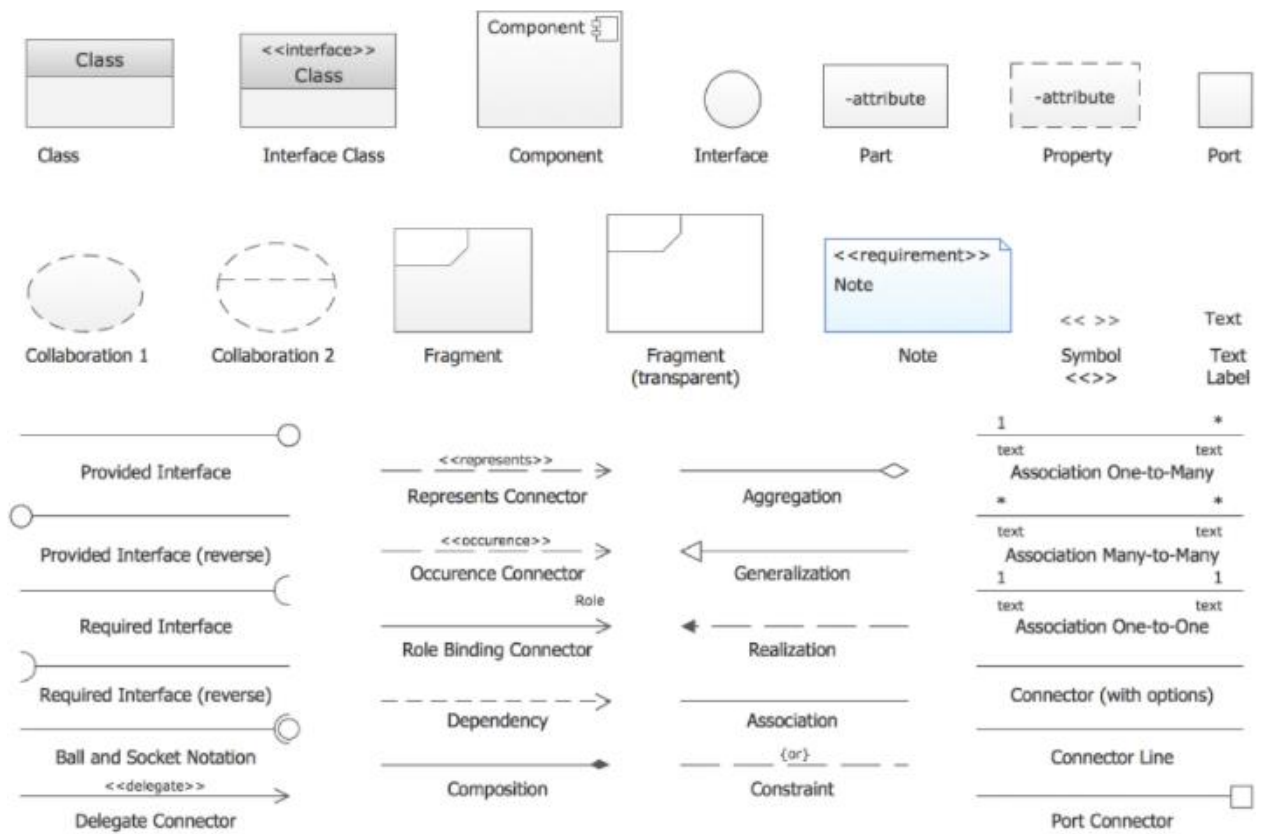


Figure16: Class Diagram Structure

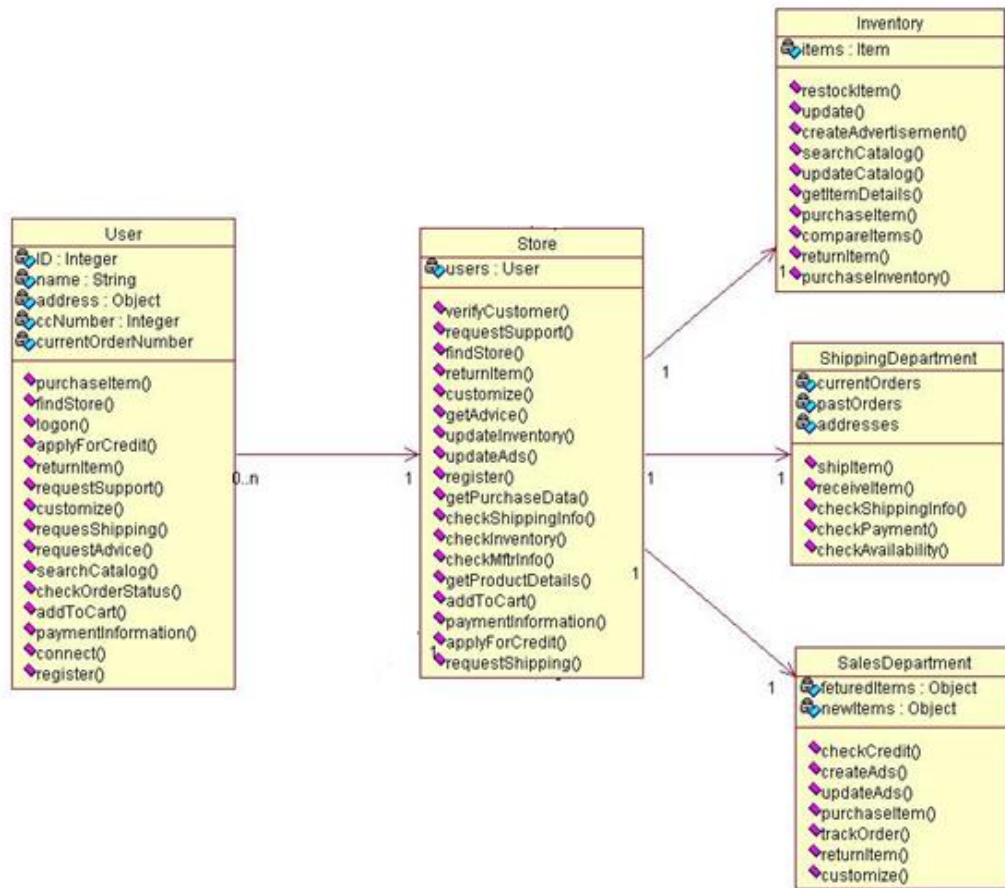


Figure17: Class diagram

The above Class diagram shows the details of the inventory references as per Global design for the commercial will be acknowledged.

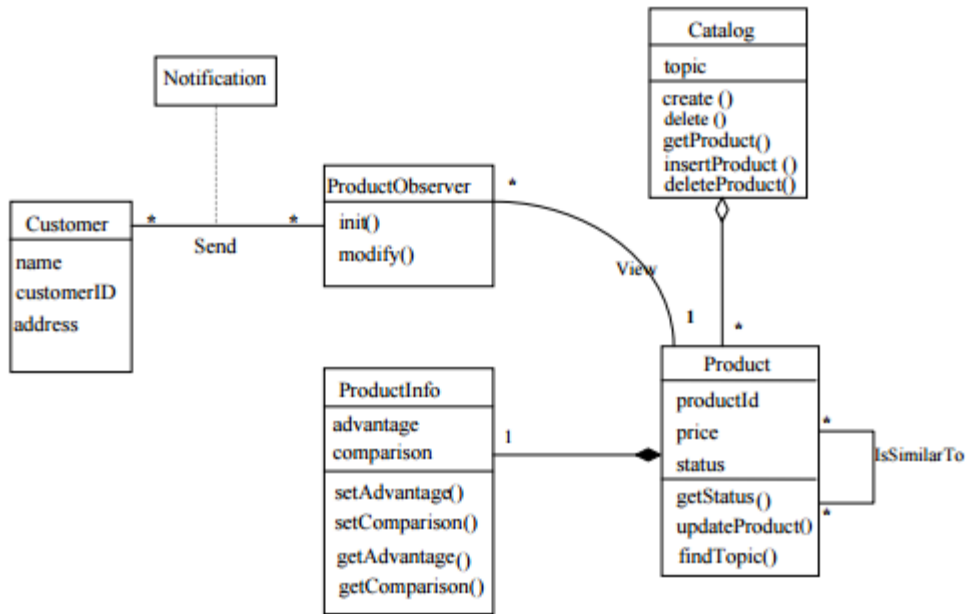


Figure18: Class diagram for store product

Information that will be fastest onto the commercial platform is being undertaken and it is shown above where detail catalogue system will be undertaken to produce the information.

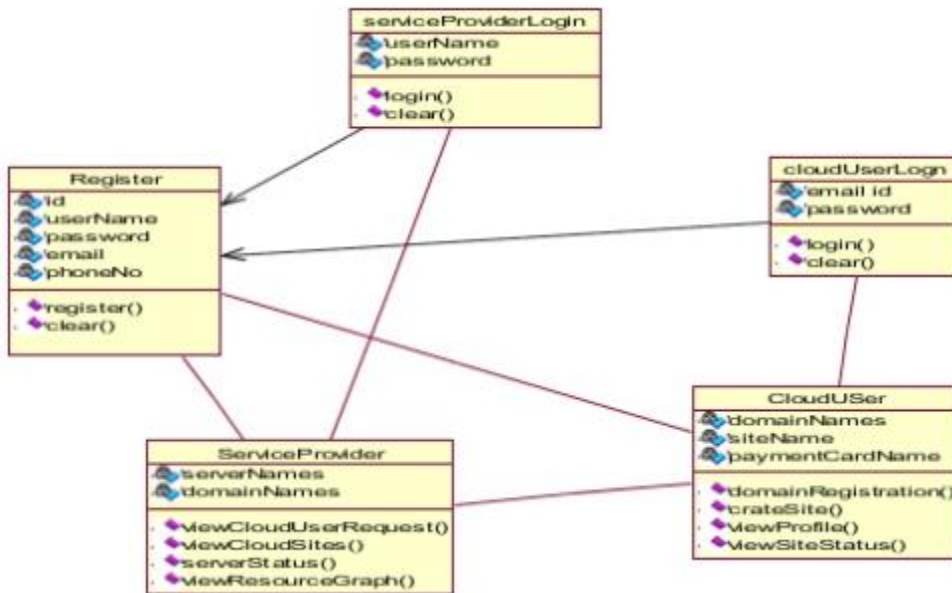


Figure19: Class diagram for service

The clouds provisions that will be utilized for the hosting purpose is acknowledged in the above Class diagram where the service login provisions are shown.

5.4 ACTIVITY DIAGRAMS:

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

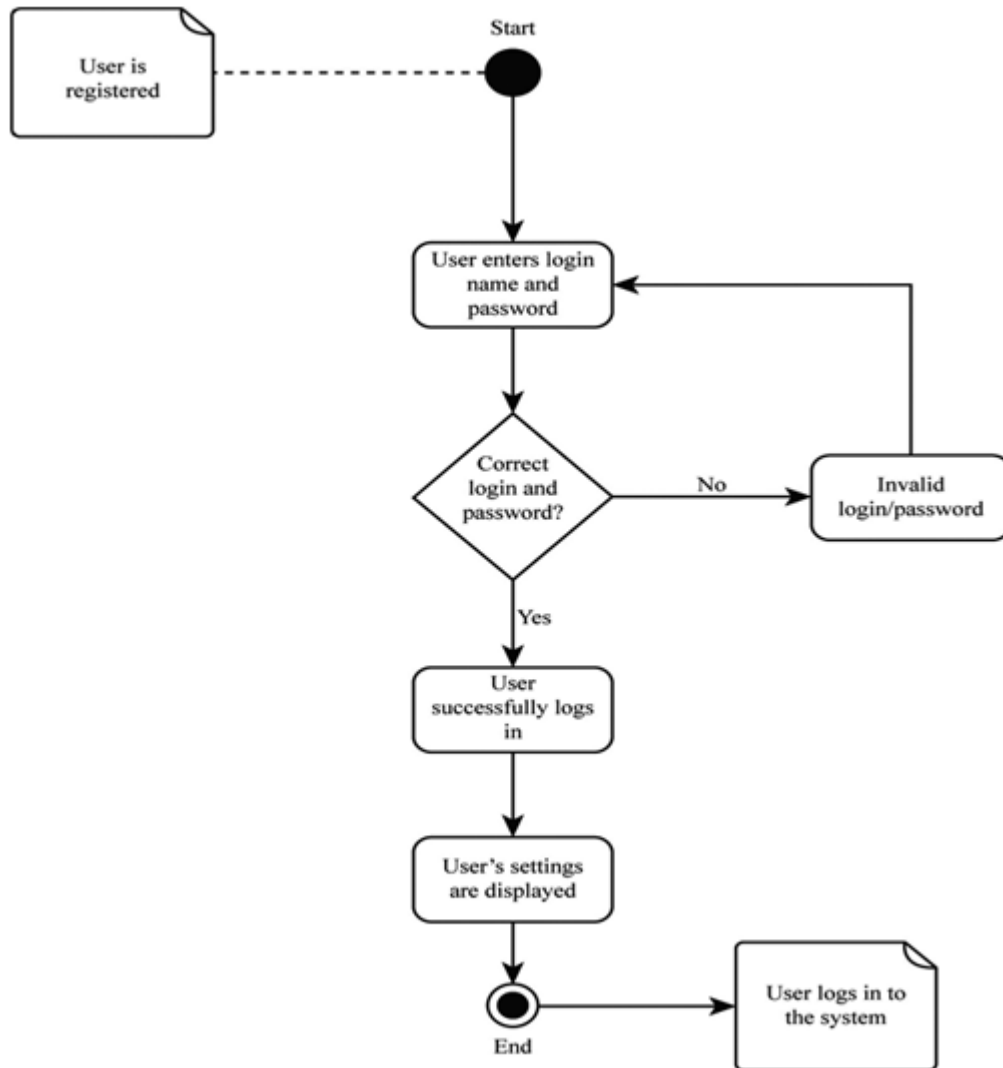


Figure20: Activity diagram for login

Client registration on to the Global frame which is being design for commercial activities shown in the above activity diagram.

5.5 ER DIAGRAMS:

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

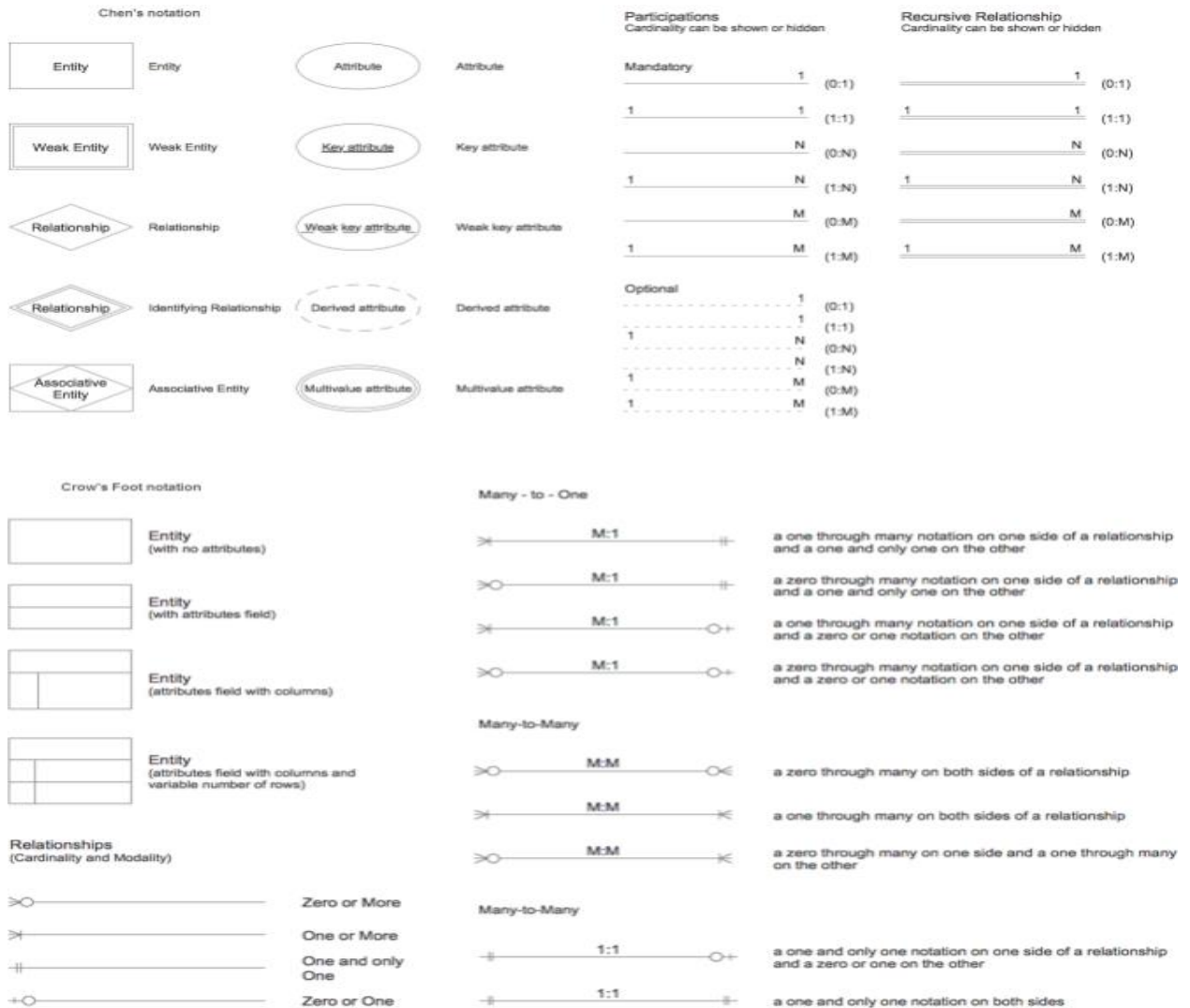


Figure21: ER Diagram

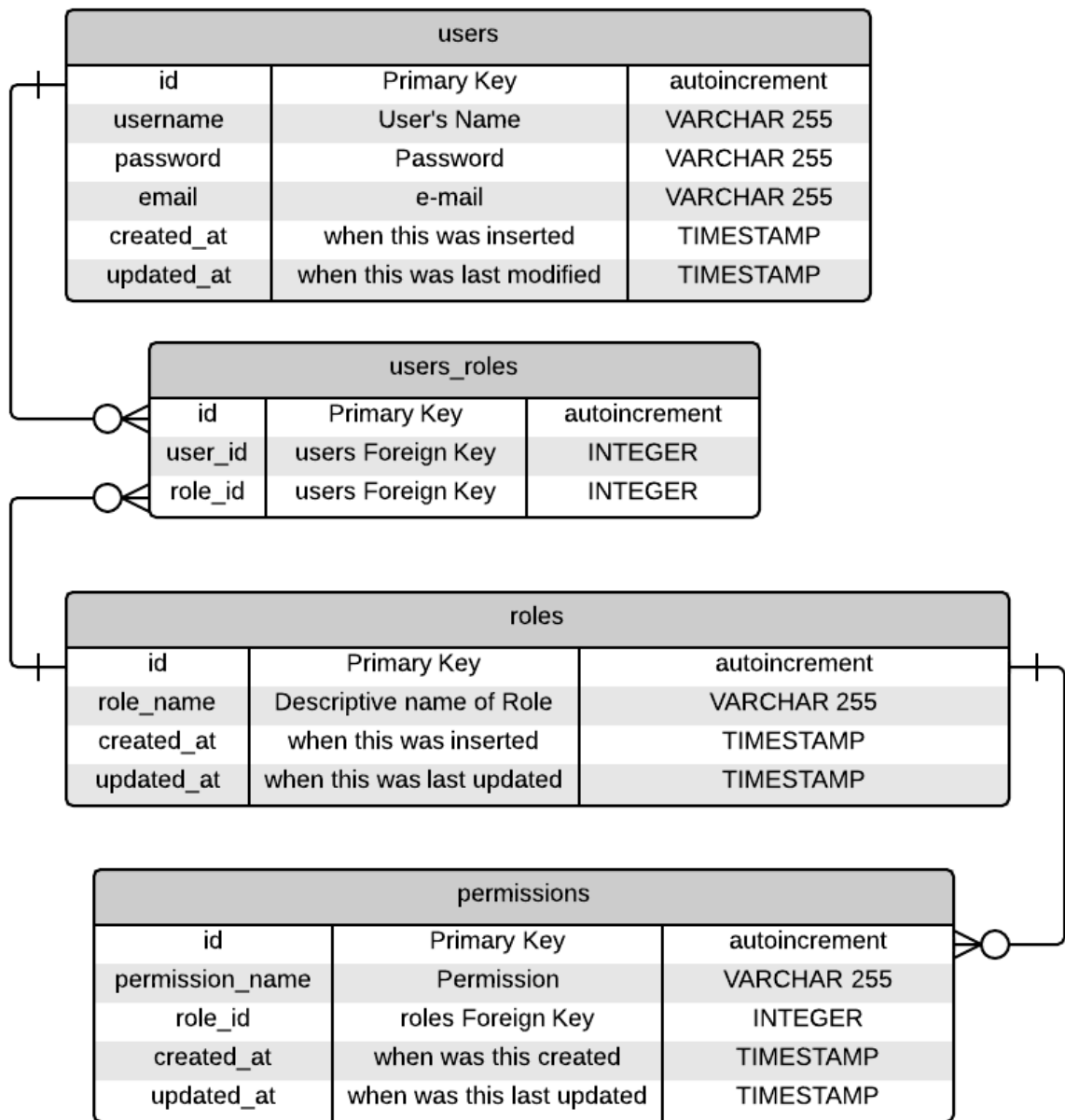


Figure22: ER for user access and roles

Different types of permission references that are required to be provided because different types of categorical users with different types of rights are required to be added to conduct and processes a show in the above ER diagram.

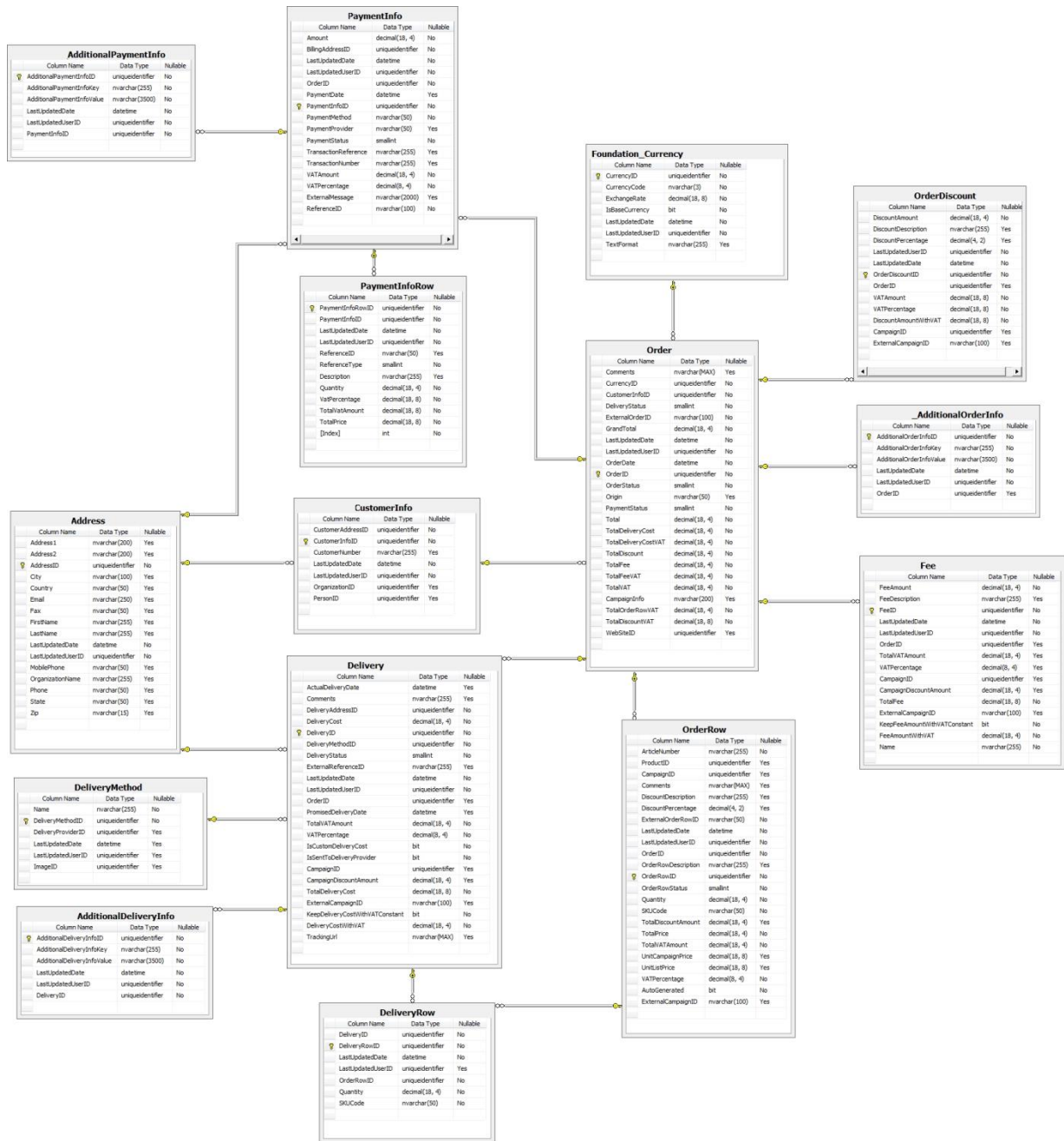


Figure23: ER diagram payment

Detailed payment and other references of the commercial frame which is included within the system is shown in the above ER diagram with detail.

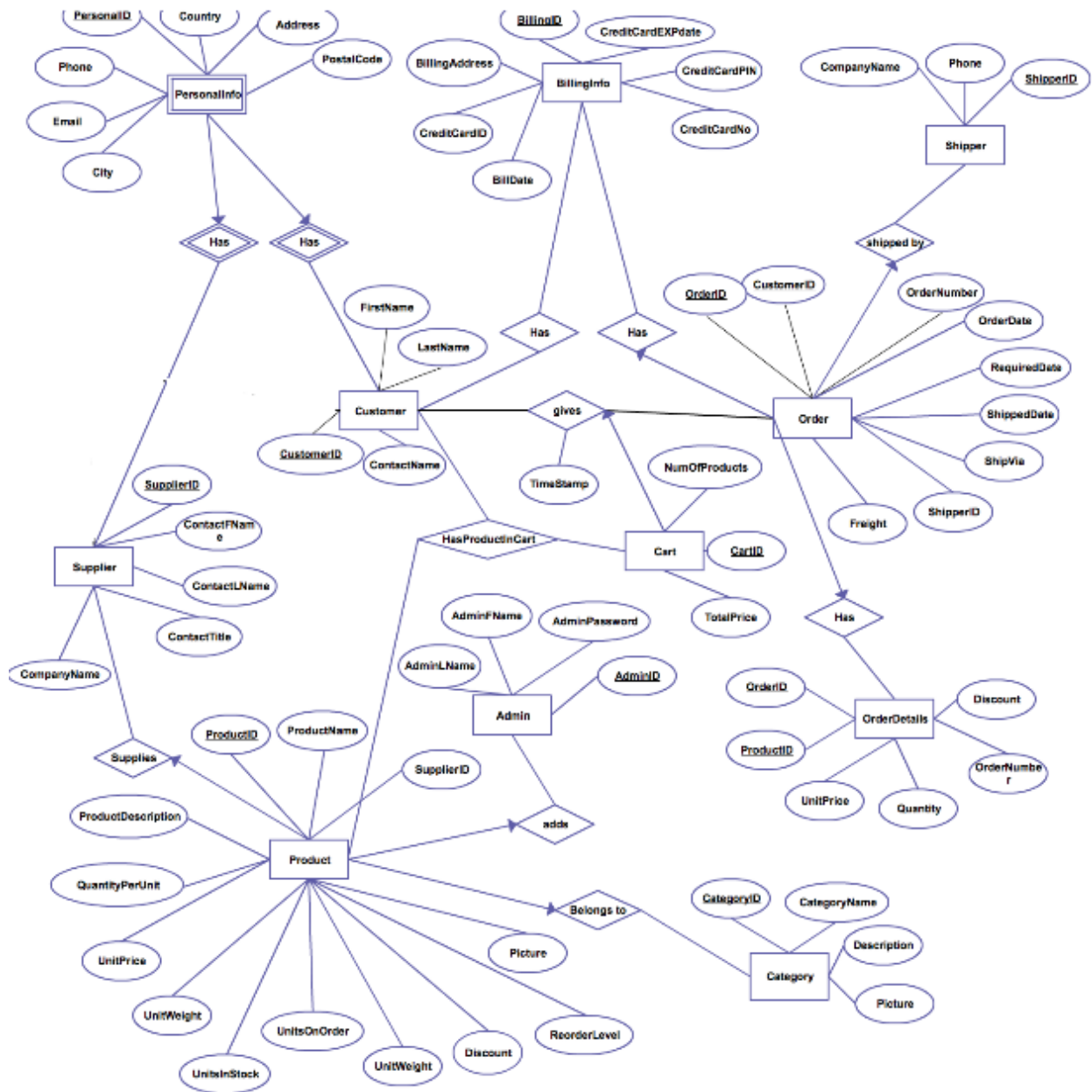


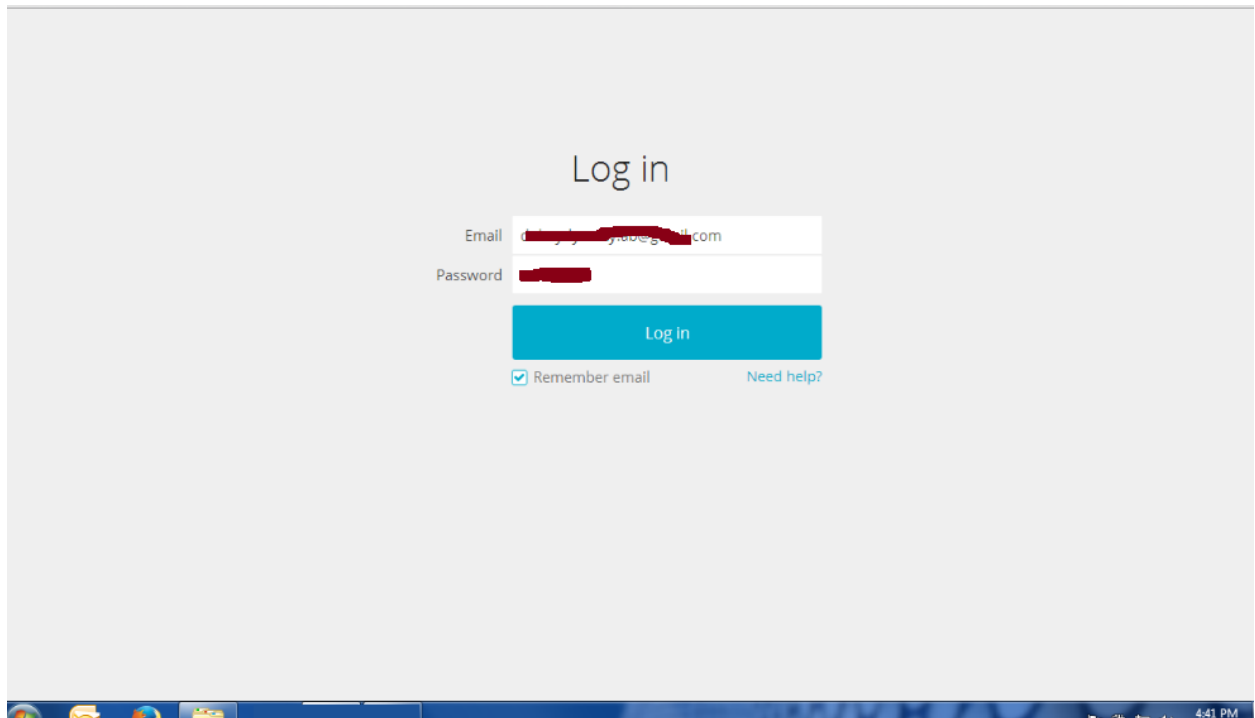
Figure24: ER diagram (global platform design)

References of orders in references of integrated cart references based on suppliers in the clients is shown in the above ER diagram.

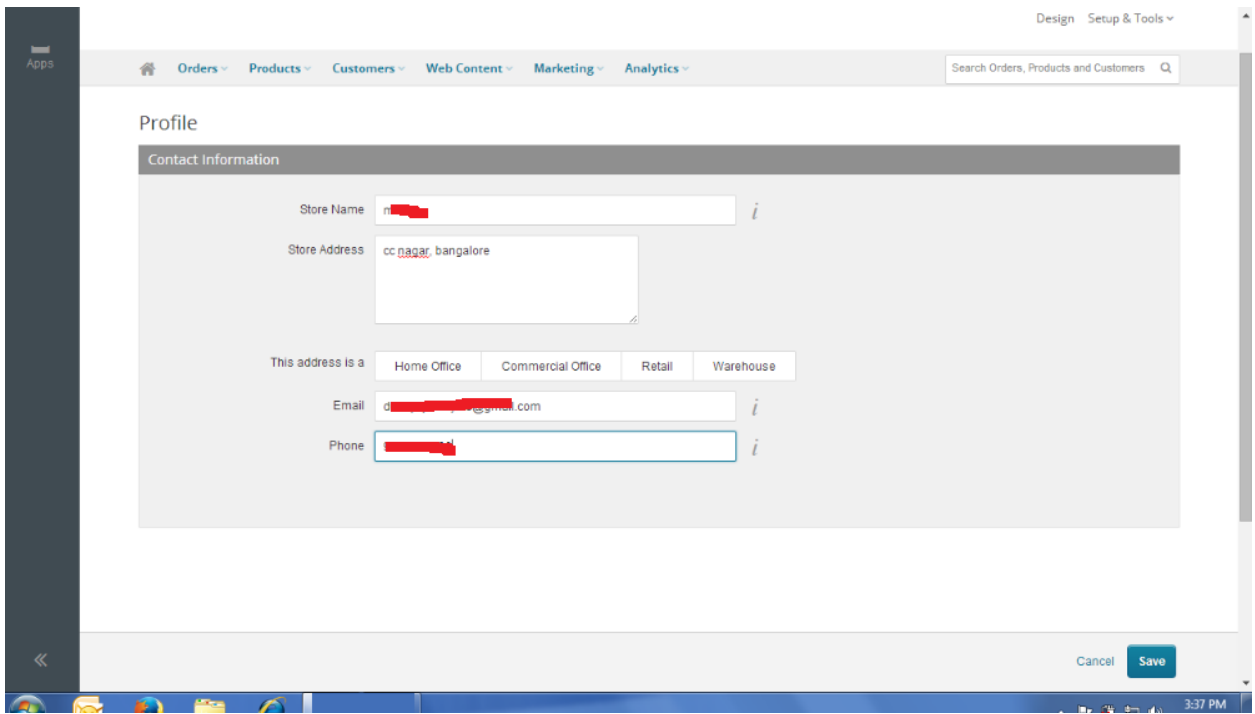
6. IMPLEMENTATION

6.1 SCREEN SHOTS:

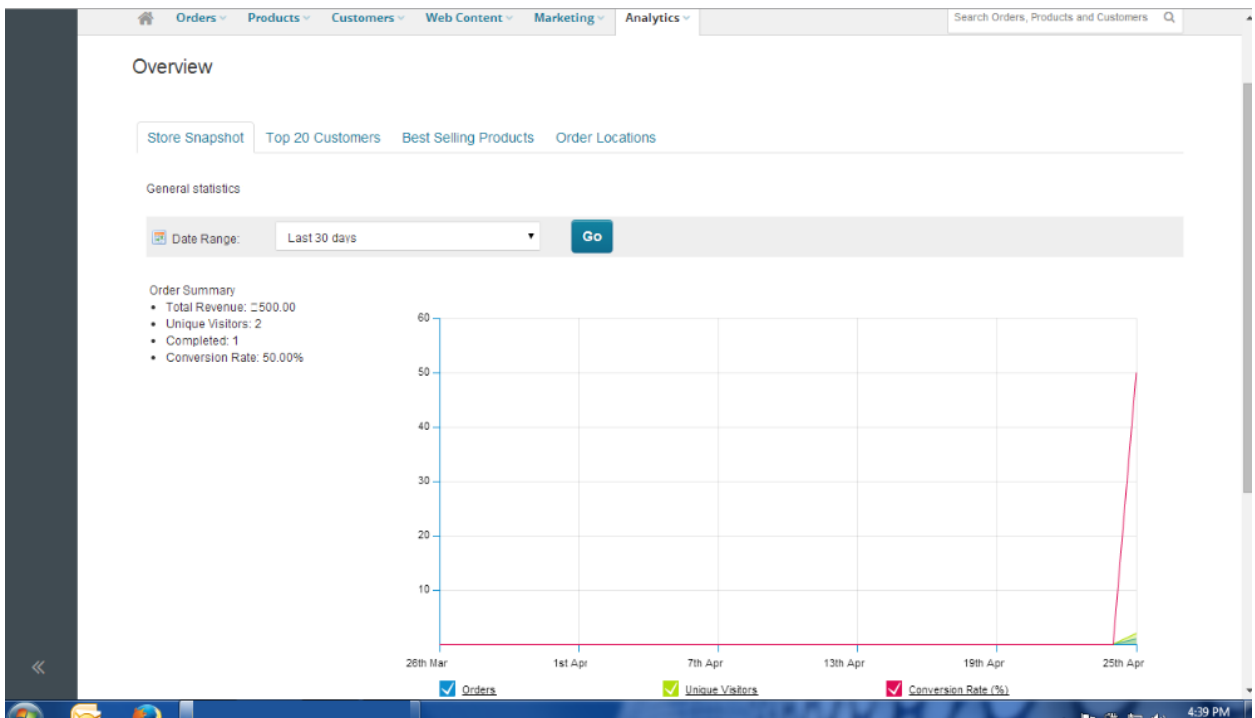
Login page



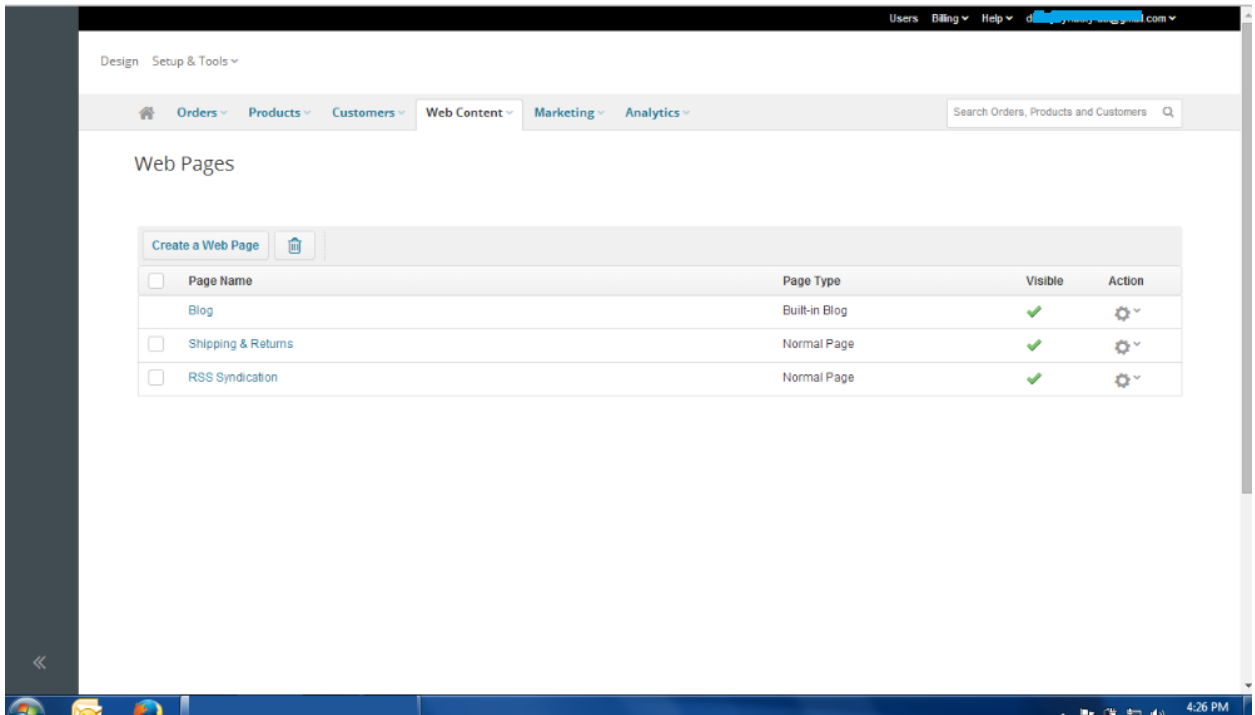
Adding the profile of the company(for virtual space generation)



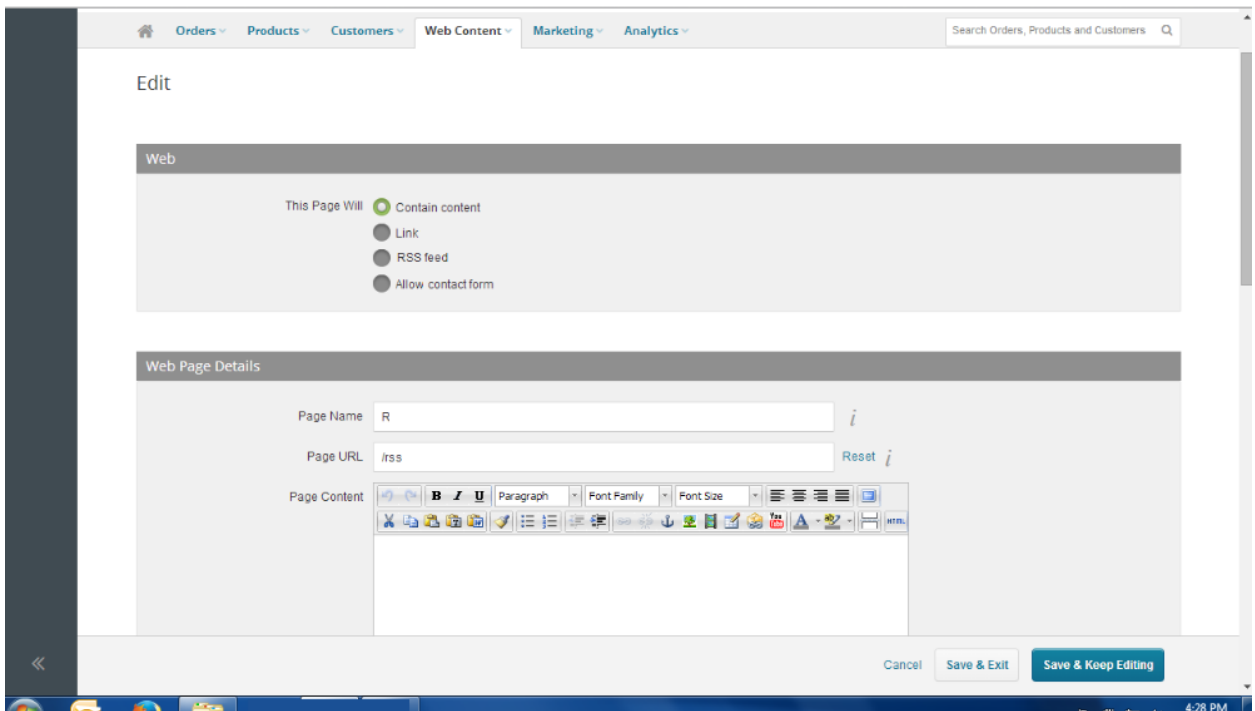
Reports generation



Design page (with examples)



Detail design page



Manage customers

Orders Products Customers Web Content Marketing Analytics Search Orders, Products and Customers

Add Customer

Complete the form below to create a new customer in your store.

Customer Details Customer Address Book

Customer Details

First Name

Last Name

Company Name (Optional)

Email Address [Check Availability](#)

Customer Group (Optional)

Phone Number (Optional)

Emails Yes ▾

Cancel Save & Add Another Save & Exit

4:04 PM

Authentication for the customer

Last Name

Company Name (Optional)

Email Address [Check Availability](#)

Customer Group (Optional)

Phone Number (Optional)

Emails Yes ▾

Customer Password

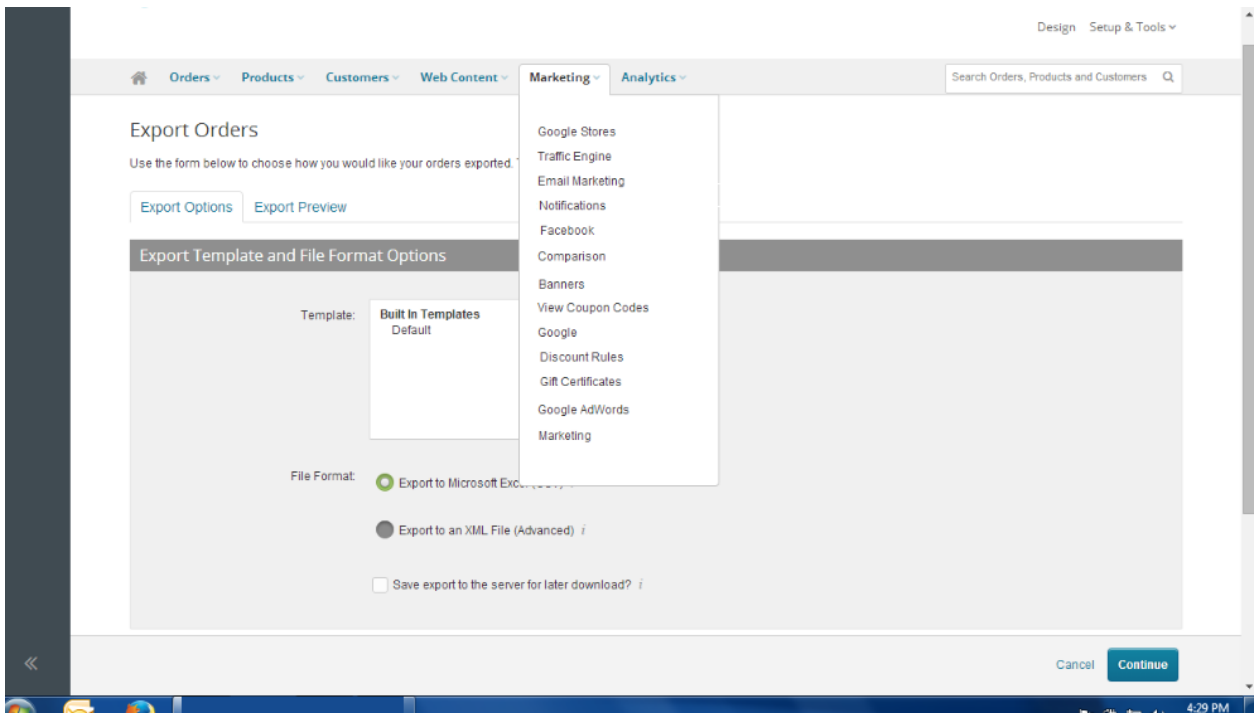
Login Password *i*

Confirm Password *i*

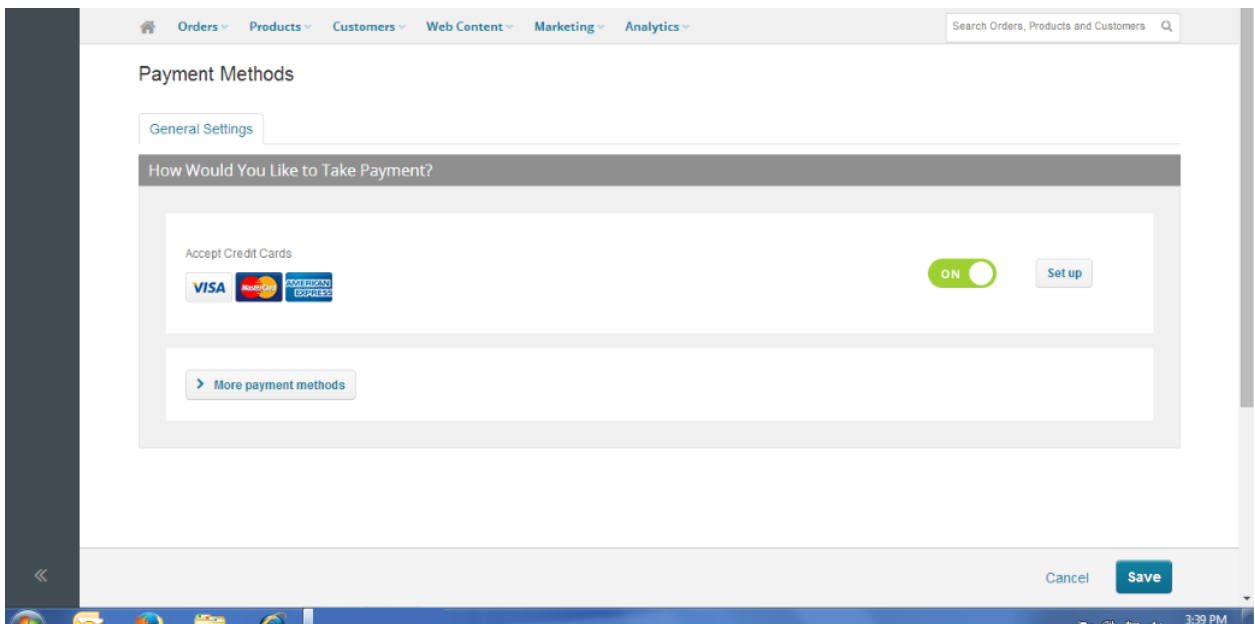
Cancel Save & Add Another Save & Exit

4:05 PM

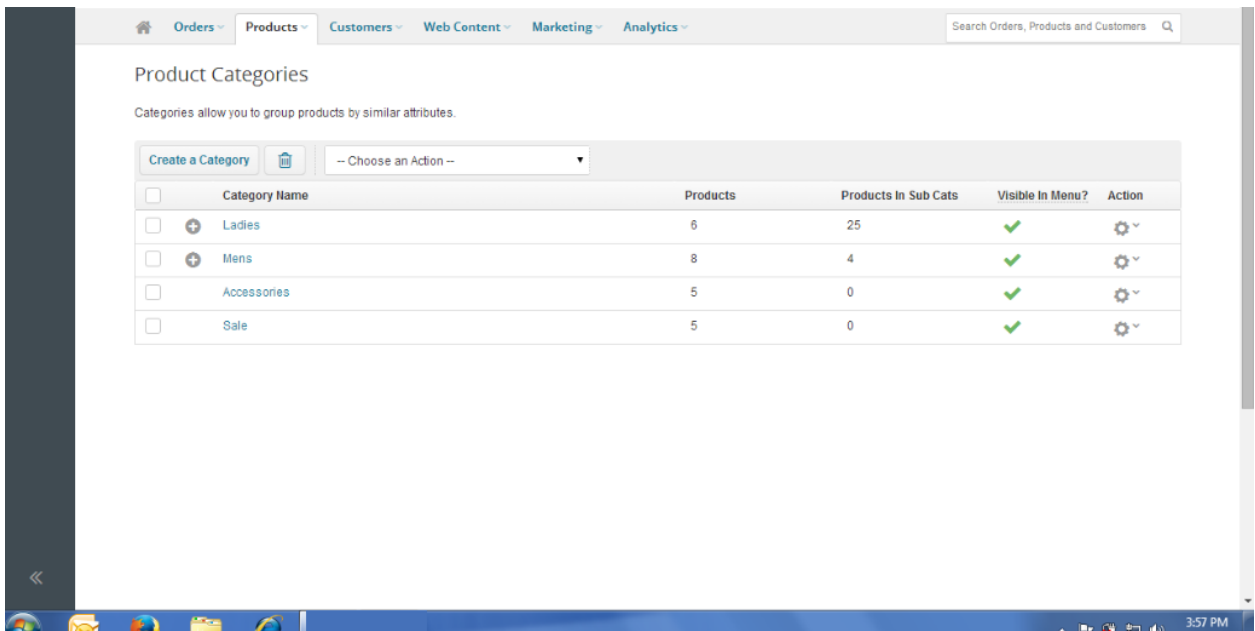
Various options provided for optimization



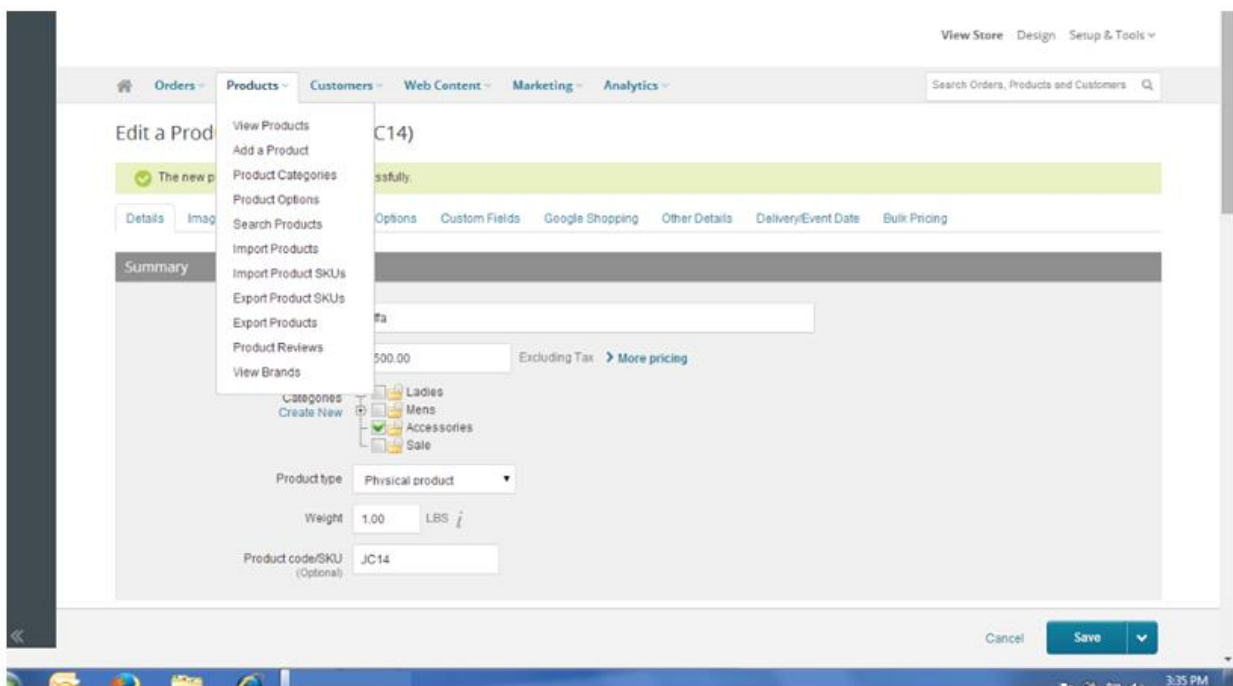
Payments setups



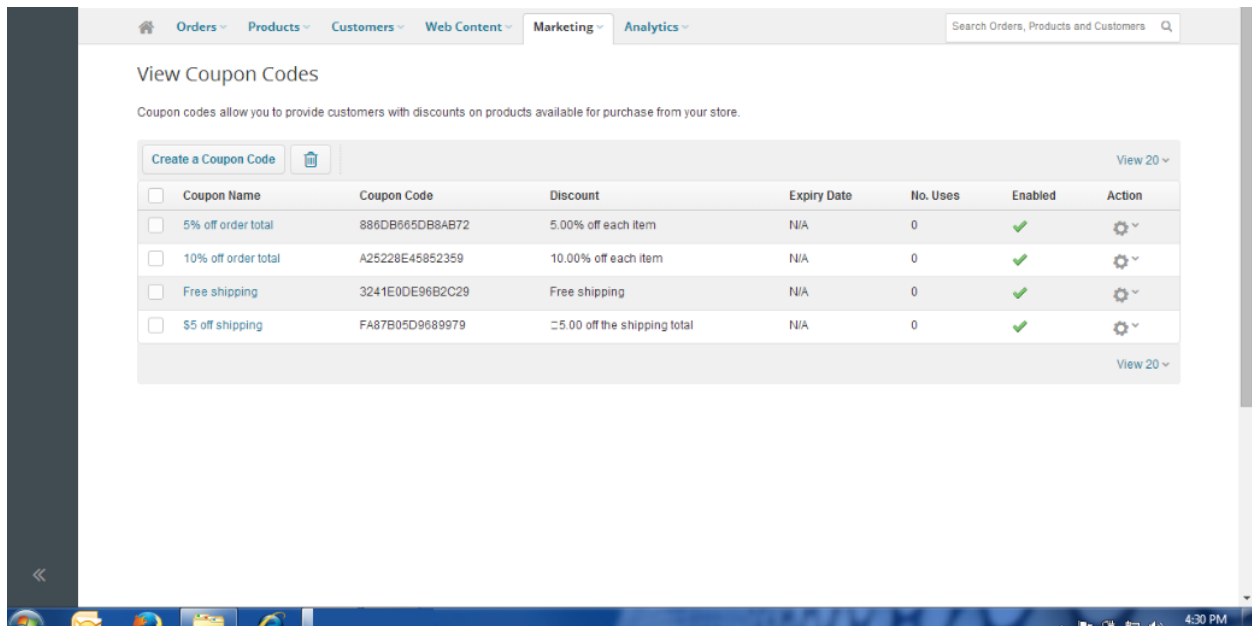
Adding products to the product category page



Multiple options for product management



Coupon option seen



7. SOFTWARE TESTING

Software testing is established in terms of acknowledging all types of requirements of the stakeholder because we have to see that when a particular stakeholder is using the system all related design perceptions and working perceptions are included and it should work

according to their requirements. Quality perceptions will be properly checked and all the responsible required to be checked for the correct inputs and outputs. Software testing will be done with the help of related intended environment consideration so we have to check that system should be maintained and used in different types of environment.

All types of work consideration that are required for achieving the response and acceptance will be undertaken. Multiple locations will be performed so that different types of reference of the system can be check in different types of working scenarios. Multiple types of conditional references will be checked and even the detail test cases will be written so that we can document that how the system reacted in different provisions. Testing considerations are required to be checked for different types of merchandise solution that will be provided so that we can refer that all the associated users who will be utilizing the system in terms of different types of domain organizations can have a detailed considerable working. Multiple types of merchandise solution will be individually referenced and will be tested so that the considerations of individual working can be organized for example the payment gateways.

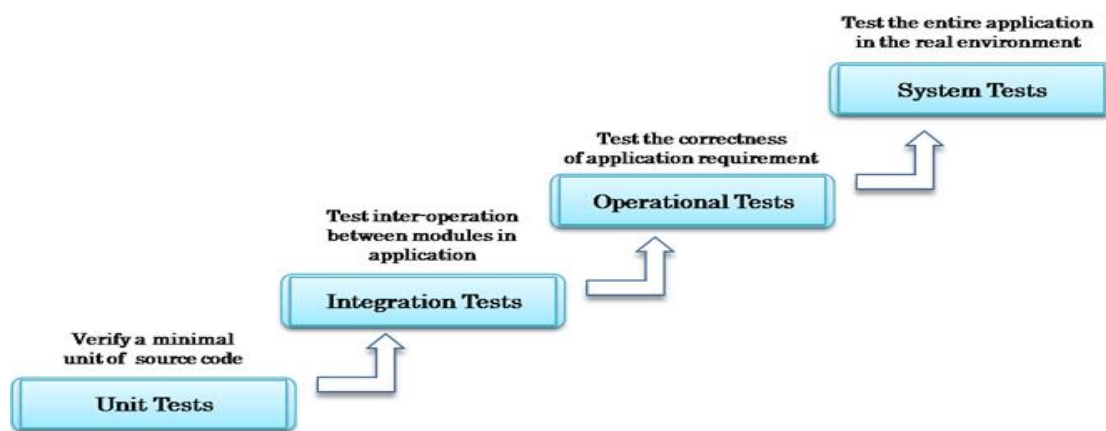


Fig25: Unit testing

Your references will be checked with the help of unit testing as we have to check the data flow analysis because we are designing a system which will be channel with different types of information references.

All types of constellations that are needed for the design requirements will be established and it will be check in a perception that or identity is required to be designed based on different commercial requirements can be achieved.

All types of application support is also provided within the system which has to be checked for the working individual account will be using different types of reference resources.

The relative references that are required to be performed based on controlled activities when the platform will be designed will be also check for the accuracy and we found that it provide all types of preferential need for centralized reference.

The space provision that is provided to the users for different types of consideration for upload will be also check for the related setups.

Black box testing

We include black box testing as it will help us to understand acceptance in the real time when the user provided with the system to check different types of conditional working and this will be done with the help of model based testing.

Detailed understanding about the internal working is not related with black box testing,

Black box testing will be done on the client and government so that prop for real-time understanding and achievements can be properly established.

Advantages	Disadvantages
Well suited and efficient for large code segments.	Limited Coverage since only a selected number of test scenarios are actually performed.
Code Access not required.	Inefficient testing, due to the fact that the tester only has limited knowledge about an application.
Clearly separates user's perspective from the developer's perspective through visibly defined roles.	Blind Coverage, since the tester cannot target specific code segments or error prone areas.
Large numbers of moderately skilled testers can test the application with no knowledge of implementation, programming language or operating systems.	The test cases are difficult to design.

Test cases

Serial	Test-case-checked	Test-Input	Results	Actual - results	Checked	Severity category
1	Authentication based access	Details provided	Design of the control is provided	Different reference of settings provided	Pass	Critical
2	Utilities-setups	Selective	Apps for the usage provided with links	Integration seen	Pass	Critical
3	Reports	Auto	Selections	Custom reports generated	Pass	Critical
4	Adding clients	Defined settings	Frame defined with working consideration	Multiple clients control is provided	Pass	Critical
5	Alerts	Auto	Scenario setups provided	Info seen	Pass	Critical
6	Platform	Selective	Multi selective options for the design provided	Reusability seen	Pass	Major
7	Spacing	Selective	Settings provided	Operation will	Pass	Critical

				be performed parallel		
8	Commercial	Settings	Options for setups provided	Used and added	Pass	Critical

8. CONCLUSION

The business requirements of positioning and different types of perception understanding is provided for the system so when we have utilized we found that related engagements can be properly associated. We can conclude that system provides all types of Differential working and the related information tracking and Statistics needed for better decision making is also included. Decision making is quite important because it will help us to understand the base of the work designs that has to be undertaken and it will be very much important as it will help to relate the work in more established manner so when we have utilize the system we have utilized different references of acknowledgements and we found that accurate information is provided. The system cannot also be associated with different types of app references so we have selected different types of their preferences.

All types of reference that needed to accomplish the related design perceptions are also seen so we have designed the platform and we have hosted and even we found that it can be controlled properly with the help of the control panel which is associated. Multiple considerations of the control that is provided is very much suitable as each detailed

references can be accomplished and acknowledge with all reference requirements needed. The system is designed in such a way that all types of work references can be generated from a single system which will have all types of promotional working and reference usage. So we can conclude that system can be utilized for different types of work in him parallel where even the Global identities and commercial reference established even at the same time different of the business operations can be established.

9. FUTURE ENHANCEMENTS

Enhancement is considered because we want that optimal working according to the scenario change can be provided to the users so proper understanding of the new requirements can be established and new options can be added some of them a listed as following which can be taken into consideration-

More references of design templates can be added so that more usability can be established.

Detailed notification system can be added so that more essential information transfer can be established through the system.

The categories that are provided based on the applications can be increased and elaborated.

10. BIBLIOGRAPHY

Books

The Roslyn .NET compiler provides C# and Visual Basic languages with rich code analysis APIs.: dotnet/roslyn". November 13, 2019.

What's New in C# 7.0". Microsoft Docs. Retrieved April 14, 2019.

Web site

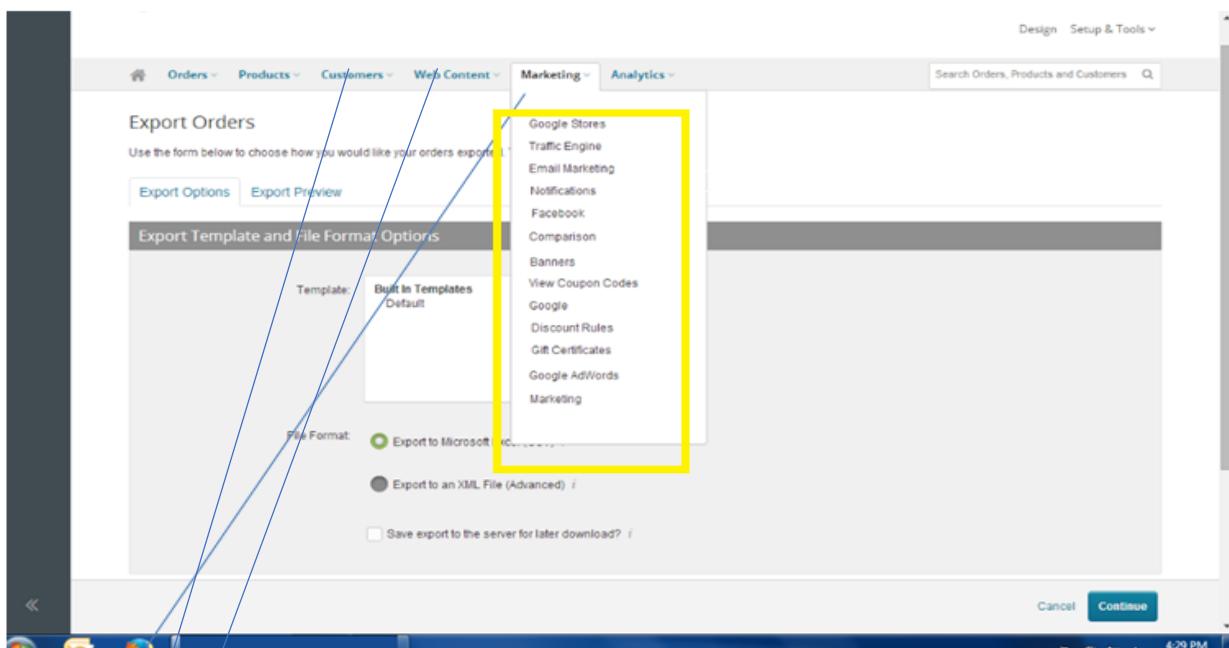
<https://www.microsoft.com/net>

https://en.wikipedia.org/wiki/.NET_Framework

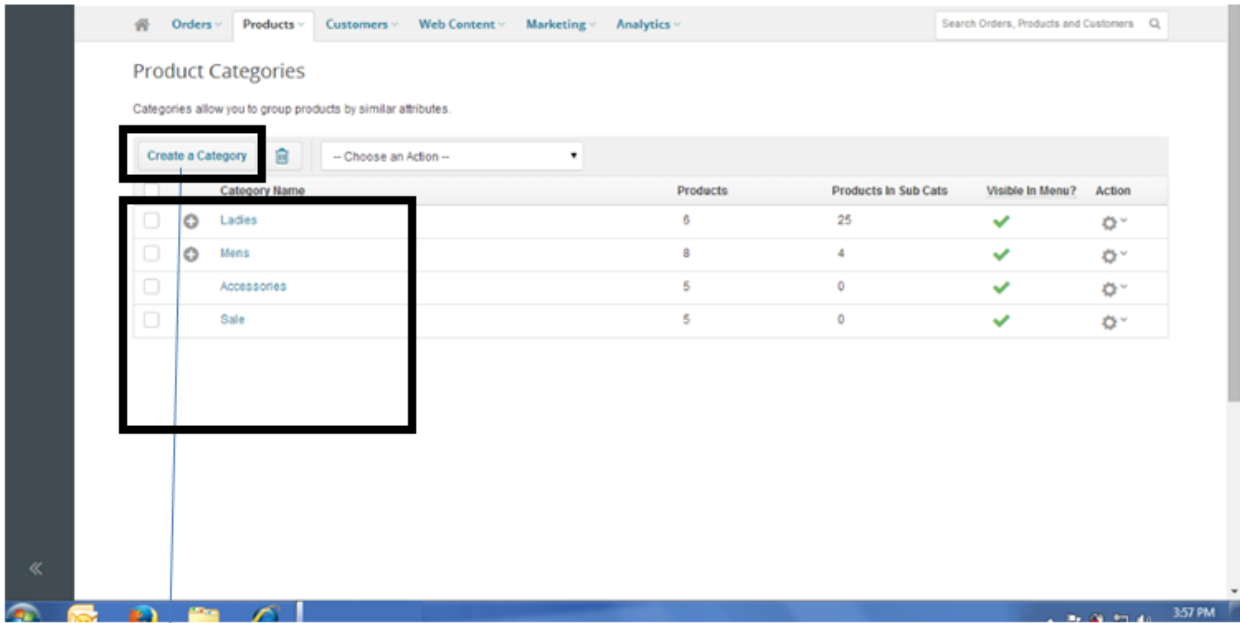
<https://www.youtube.com/user/dnfvideo>

www.dotnetcurry.com/magazine

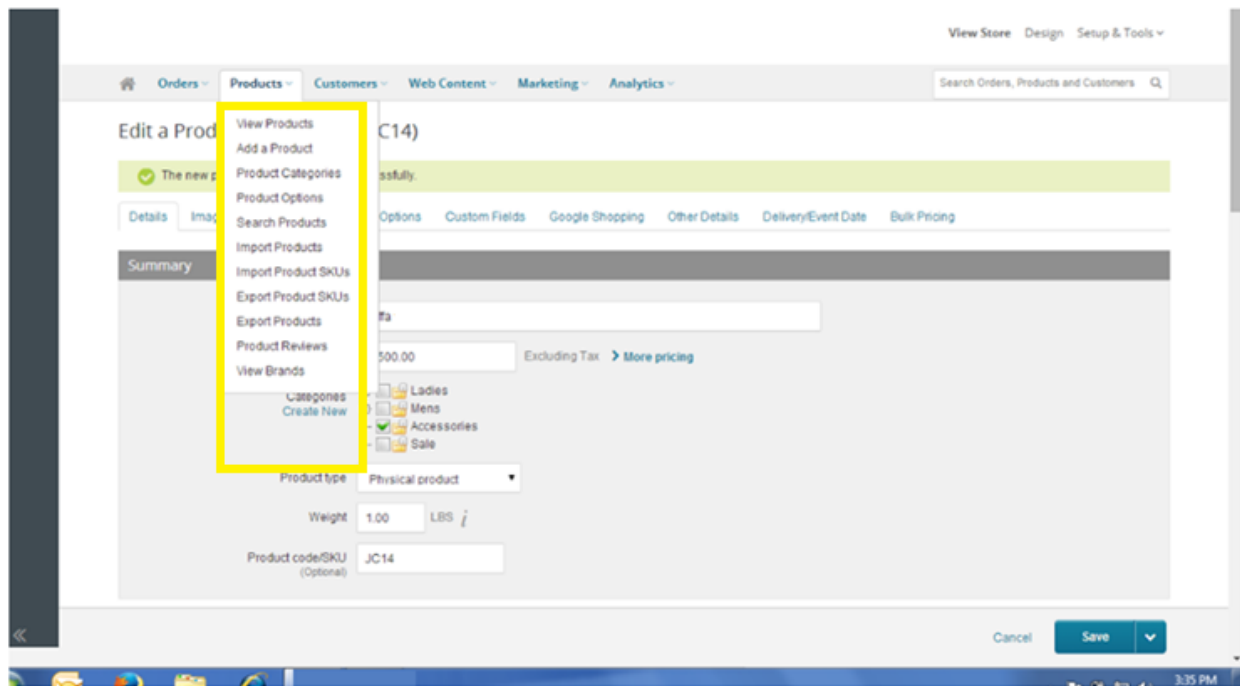
11. USER MANUAL



Various options provided for optimization



Adding products to the product category page








Multiple options for product management

Orders Products Customers Web Content Marketing Analytics Search Orders, Products and Customers


View Coupon Codes

Coupon codes allow you to provide customers with discounts on products available for purchase from your store.

Create a Coupon Code  View 20

<input type="checkbox"/>	Coupon Name	Coupon Code	Discount	Expiry Date	No. Uses	Enabled	Action
<input type="checkbox"/>	5% off order total	886DB665DB8AB72	5.00% off each item	N/A	0	✓	
<input type="checkbox"/>	10% off order total	A25228E45852359	10.00% off each item	N/A	0	✓	
<input type="checkbox"/>	Free shipping	3241E0DE96B2C29	Free shipping	N/A	0	✓	
<input type="checkbox"/>	\$5 off shipping	FA87B05D9689979	=5.00 off the shipping total	N/A	0	✓	

View 20



Coupon option seen