

A project report on

WALLET MART E-STORE

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

MASTER OF COMPUTER APPLICATIONS Of



Visvesvaraya Technological University
Belgaum, Karnataka

By

PAVITHRA R

1CR18MCA83



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

Internal Guide

Dr. Anu Manchanda

Associate Professor, MCA
CMR Institute of Technology,
Bangalore.

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Mr. Selva Kumaran

Project Manager,
Numen Technology Pvt. Ltd,
Bangalore.



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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

WALLET MART e-STORE

*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*

PAVITHRA R
1CR18MCA83

During the academic year 2019-2020.

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Dr. Sanjay Jain
PRINCIPAL, CMRIT

Name of the Examiners

External Viva

Signature with date

- 1.
- 2.



Date- Jan 12,2020

PROJECT COMPLETION LETTER

We hereby confirm that Ms. Pavithra R of your college CMR Institute of Technology with USN: 1CR18MCA83, has successfully completed the Project at Numen Technology Pvt.Ltd. From 12th Jan 2020 to 10th June.

The Project based on Java with the title "Wallet Mart e-Store" under the guidance of Mr. Selva Kumaran, Project Guide, Numen Technology Pvt. Ltd, Bangalore 560037.

For Numen Technology



HR Manager

DECLARATION

I, **PAVITHRA R**, student of 6th MCA, **CMR Institute of Technology**, bearing the USN **1CR18MCA83**, hereby declare that the project entitled “**WALLET MART e-STORE**” has been carried out by me under the supervision of External Guide **Mr. Selva Kumaran**, Project Manager, and Internal Guide **Dr. Anu Manchanda, Associate Professor, Dept. of Master of Computer Applications** and submitted in the partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the **Visvesvaraya Technological University** during the academic year 2019-2020. The reports has not been submitted to any other University or Institute for the award of any degree or certificate.

Place: Bangalore

PAVITHRA R

Date:

(1CR18MCA83)

ACKNOWLEDGEMENT

I would like to thank all those who are involved in this endeavor 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. Selva Kumaran Project Manager, Numen Technology Pvt. Ltd., Bangalore, and to my Internal Project guide Dr. Anu Manchanda, 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, and Bangalore for his kind support in all respect during my study. I would like to thank Mr. Selva Kumaran, Project Manager, Numen Technology Pvt. Ltd., 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.

PAVITHRA R
(1CR18MCA83)

Project Report

ORIGINALITY REPORT

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CHAPTER 1

INTRODUCTION

1.1 PROJECT DESCRIPTION

Wallet Mart e-store application composed of a set of services written in java that serves functionality needed to build enterprise e-commerce systems. The software can be used out of the box as a complete ready to use web application including a few web stores templates you can choose from. Wallet Mart can also be used as a restful backend application for serving a whole set of commerce. REST API's on which you can build own tailored e-commerce front store. The knowledge behind this billfold mercantile establishment e-Store system is to produce a comprehensive on-line service to the buyer, which may capture, collate, and analyze the information and operate the impact of the system. This can be the method wherever shoppers directly get produced or services from a vendor in period, with none intermediate vendors, over the net. This billfold mercantile establishment e-Store project has to develop to arrange the merchandise data and client data associated with the actual project, of times brought. In what manner customers can purchase the merchandise on-line may be determined from their username and positive identification and looking history of the shoppers. Billfold mercantile establishment e-Store provides several edges to the shoppers within the sort of convenience of product and services at the minimum worth, larger alternative and saves times. This method largely provides an animal skin product like bag, wallet, belt, etc. to the shoppers. The project shows the merchandise class and so product details. From the merchandise details, the merchandise may be supplemental to the cart and may get.

Shoppers will simply relish searching from anyplace within the world and during this system multiple languages obtainable wherever shoppers choose the snug language, Customers will simply pay the value on-line dealing through pay pal or and can also pay on delivery. That the application is additionally obtainable within the Smartphone. It's simply accessible and continually obtainable. On-line searching is increasing day by day in Asian nation as a result of our Country is changing into Digital Asian nation wherever laptop users area unit increasing day by day thus because the on-line searching trends also are increasing. This can be a

Business-to-Customer (B2C) on-line searching. The central plan of the system is to permit the client to buy nearly exploitation customers to shop for the things and articles

Content Management System

It will organize the merchandise and store the merchandise details in step with close. It's wont to produce manage the websites. It's cut loose the shop operation. It'll maintain the services of lower price. It additionally maintains the release of the project. It handle the client security connected non-public data group action details. It additionally helps to take care of the cyber-security thieving on the payment entryway protocol. It works on the premise of the project updates and removes the previous information of the actual content.

The main advantage of a CMS are:

- Maintenance price is lower:
The system is developed once and it are often utilized in several stores.
- Evolution of the services:
Mostly evolve through the discharge of latest versions.
- Provide Security for Customers:
It provides the protection to the shoppers and stores simply and safely its data.
- Provide Personalization Area:

Shipping

This is the vital part of on-line selling for each sellers and customers. Each shopper needs to urge the merchandise freed from price however there are a unit some terms and policies, got to follow on every order. There are a unit 3 mechanism to determine the value of the shipping.

- Free delivery charges
- Fixed delivery charges
- Calculating delivery charges

In order to outline the shipping price of the merchandise from the top to the terminus. If the client needs to free delivery charges then they need to follow the up to buying rate on the actual product however if the client needs to require the merchandise then no ought to follow any group action limit criteria and if the client needs the merchandise it's a too long distance from

the warehouse then calculate the delivery charges of the merchandise we want to determine a number of the vital things.

- Starting address to the destination address.
- Packing materials that area unit used.
- Total weight of the things
- Handling to the warehouse or delivery person.

Customers

Customer's visit our website choose the class of the merchandise at the actual product and see the small print of the merchandise like the value of the merchandise and delivery charges, payment entryway, feedback of the merchandise from the previous client and at last if they need to get the merchandise then placed the order by providing the subsequent details of the shoppers.

- Name of the client
- Contact variety of the client
- Address of the client.

Wallet Mart High Level architecture:

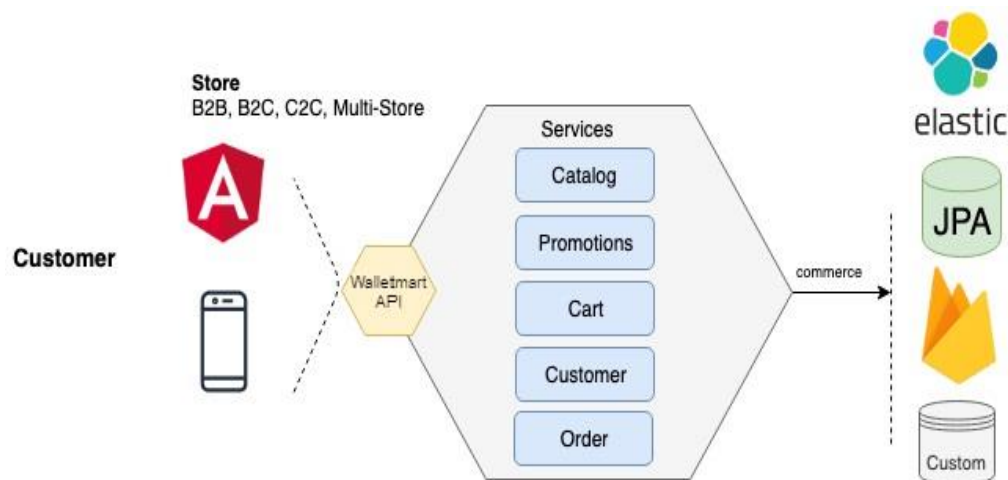


Figure 1: Wallet Mart High Level Architecture

Wallet Mart is a platform aiming to provide services, tools and connectors for building your own commerce cloud or on premise commerce application.

Services are built using Spring Framework providing packages for building enterprise applications. Wallet Mart persistence uses JPA for connecting to MySQL and has extensions for google Firebase NOSQL database, a set of interfaces for connecting to other external data sources.

Wallet Mart supports integration with external payment and shipping modules such as Stripe, Fedex, Braintree, USPS and more. A set of modules extensions allows using various content management storage such as JBoss Infinispan, AWS S3 and external web servers such as NGINX or Apache server. Elastic tools provide searching functionality.

AREST API exposes all commerce functionality (B2c, B2B, C2C, Multi-Stores) as well as complete system administration. Spring Security configured of the box with JWT Bearer token authentication provides application interface authentication & authorization.

Main Foundation Technology:

Wallet Mart is based on Spring Boot which makes it easy to create stand-alone, production-grade Application that you can “just run”.

Spring security is framework that focuses on providing both authentication & authorization for java application in wallet mart e-store.

Elastic search functionality is built on elastic search tool for searching, analyzing and visualizing commerce data.

In java application data operations are easily made by elastic search.

Wallet Mart Components:

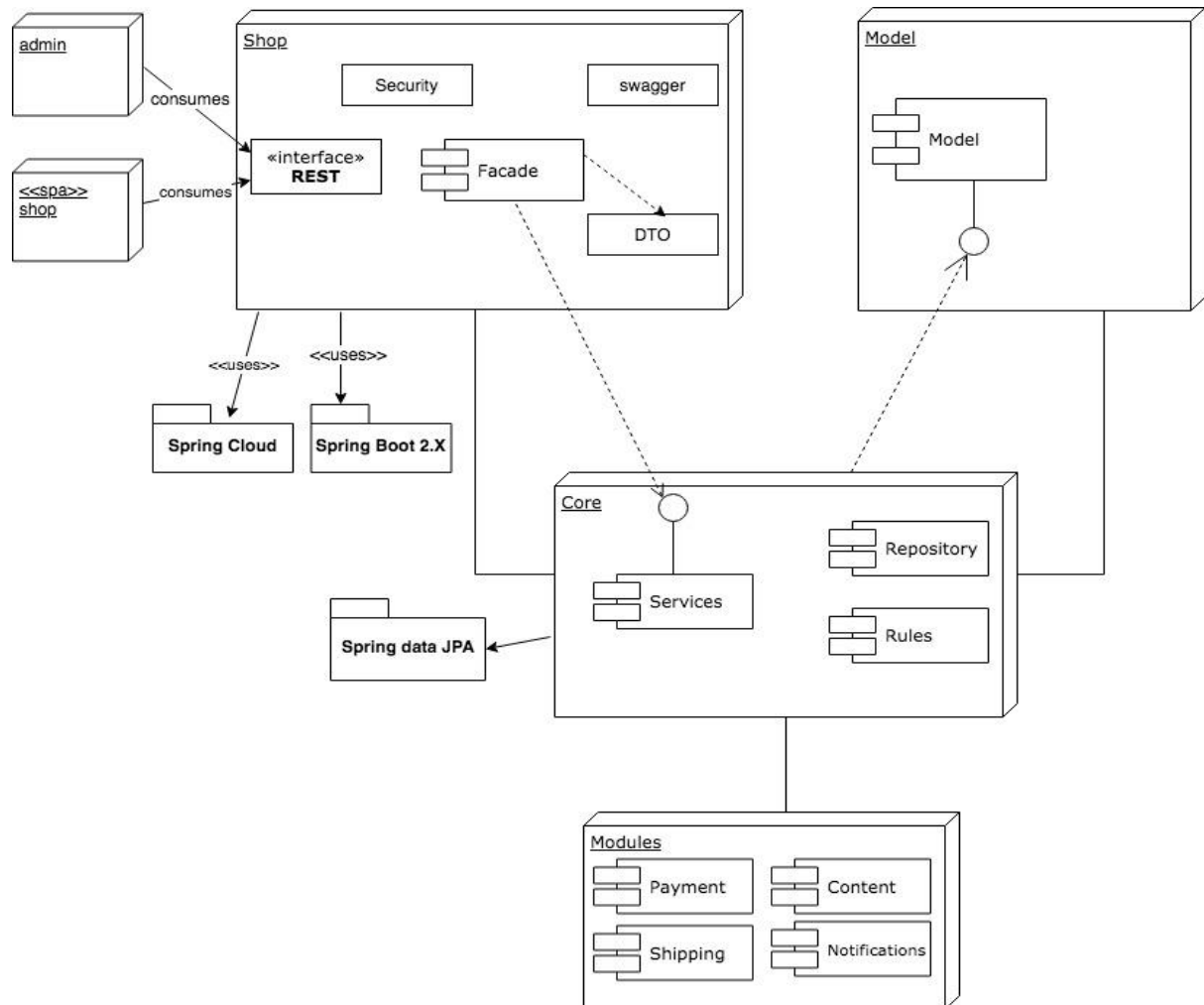


Figure 2: Wallet Mart Components

The Component Model describes the entire hierarchy of components in terms of their responsibilities, their interface, (static) relationship, way they collaborate to deliver required functionality.

A component is a relatively independent part of a system. It is characterized by its responsibilities & eventually by interface it offers. Components can be decomposed into smaller or composed into larger components.

Required Configurations:

In order to have complete e-commerce experience, this section describes all required Wallet Mart e-Store configuration.

Understanding Configurations:

For having best e-commerce experience Wallet Mart requires a set of configuration including API keys and different pointers that can be used at runtime to provide functionality such as content management, sending emails, getting shipping quotes, displaying maps etc.

Those configurations use underlying API keys & subsystem configurations that requires to be created. Those configurations are not mandatory and Wallet Mart will work with reduced feature if not configured.

External Configuration:

Google Maps API

Google Places API

AWS SES (simple email services)

Google re-captcha API

AWS S3 Bucket

Google Bucket

Scope	Provider	Description
Contact us	Google Maps API	Display a Map containing store location
Contact us	Google re-Captcha API	' I am not a Robot ' - Contact form
Contact Us	Send emails from contact us	Use AWS SES service for sending emails

Shipping quote	Google Geocoder API	Determine shipping distance
Order	Google Places API	Validate customer shipping address
Order	Google Maps API	Display customer shipping location
Order	Send order emails	Use AWS SES service for sending emails
Content	Content images on AWS	Use S3 buckets and cloud front to serve images
Content	Content images on GCP Buckets	Use GCP buckets and cloud front to serve images

Database Configuration:

Wallet Mart has been tested & supports H2, MySQL and Maria DB databases. wallet mart comes pre-configured with H2 database is an embedded database (www.h2database.com) configured by default to save data on files. This pre-configuration should only be used for testing and never be used in production environment.

Users Administration:

Role	Description
superadmin	Can create, modify any user of any stores
admin	Can create, modify any user its pertaining store
admin_store	Can create, modify any user its pertaining store

1.2 COMPANY PROFILE

Numen Technology is that the Best package coaching institute giving 100% placement help. We provide Quality, Real time and efficient coaching course on Digital selling, huge knowledge HADOOP, Devops, Cloud Computing, RTA Tools, Machine Learning, Computing Block chain, Python, Data Science, automation & IOS, IoT, PHP and JAVA at our coaching company primarily based out of city .Our custom coaching facility to Fresher's, operating Professionals, Business Leaders, company firms and people to assist them incorporate the data for his or her career advancement through active Real time coaching and perpetually trade prepared. Numen Technology is observing its services because the demand for consummate professionals is growing chop-chop. Numen Technology includes a cluster of extremely old and qualified faculty/trainers WHO square measure the \$64000 time trade consultant.

Our cluster here square measure perpetually involved regarding all career development and guidance in fact participants. We tend to make sure that all the ideas educated by our qualified trainers emphasize each core theoretical teaching further as active implementation expertise .Our trade knowledgeable schools WHO work with U.S.A square measure well-experienced company real trainers from well-known MNC's. Numen Technology one in all the leading package coaching suppliers giving coaching & Placement help all IT niche technologies. We offer mock interviews to assist improve the coarse participant's ability to crack interviews effectively. The mock interview square measure designed to jibe a true interview as shut as potential, and make sure that the candidate is in a position to with confidence attend actual interviews without our placement methods.

Our Missions

Our short mission is to make technology-enabled solutions to unravel a number of issues in life conservation. Our semi-permanent vision is to make a life technology platform for scientist, zoologists, student to make share and legitimate Digital conservation assets in-today's world, each company depends on technology to stay business operations connected. Drive revenue and support ever-growing client demands Numen technology has been building package for varied industries. Numen Technology has worked with several technology platforms and has collaborated with several groups.

Company's Process:

- Understanding client's domain expertise and Technical Competency.
- Training need analysis
- Understanding existing skill levels
- Comprehending the expected skills to be imparted
- Prepare a comprehensive training solution and design a curriculum after interacting closely.
- Training delivery through highly experienced trainers with daily monitoring through tests, assignment
- Measuring training effectiveness post.

Numen Technology Edge:

- Numen Technology is an elite area to give nearby, whenever anyplace preparing to clients the nation over through its committed group of experts who take into account request.
- The organization's preparing offices are well outfitted with best in class, framework, and experienced and capable.
- They utilizes its broad to present new learning strategies, make preparing content, and convey top-notch corporate training.
- It provides venture based preparing where mentor gets related to members and helps them while they are utilizing innovation.

Manpower Services:

Company's delivery model is designed to ensure timely delivery of each client's hiring requirements.

- Team focused on Individual clients
- Cost Effective
- Vast network of training and other Consultants in Tier 2, Tier 3 Cities and town of the states.
- Vast network of Freelance recruiters is enrolled apart from permanent staff (which gives bandwidth in working margins and intern help clients reduce CPH).

CHAPTER 2

LITERATURE SURVEY

Literature Survey is the system of aggregation data besides operative realities, designation issues & victimization, information of the review to suggest updates on their method. It may be a drawback resolution section that needs technical communication between this organization consumer and business analyst. It takes longer to know (drawback / matter) however it's best to observe before developing the project to know the prevailing arrangement problem. When obtaining all drawback within existing structure product analyst compare the necessity of consumer. In order to know on every field of current organism disadvantage and therefore investigation is subjected to shut study to determine downside areas. This analysis solutions area unit certain as per pitch. That suggestion is brushed up arranged consumer entreaty then appropriate fluctuations area unit updated. Thus loop end as before long consumer is happy with application.

2.1 EXISTING SYSTEM AND PROPOSED SYSTEM:

2.1.1 EXISTING SYSTEM :

As of now scheme aimed at spending is to go to workshop by hand. Within the existing system there's no guarantee to urge the first product from the shop.

There are some drawback of existing system:

- This is often less user-friendly
- Patron must attend shop and choose products and pip out.
- This is often more difficult to work out the specified product on the actual shop
- The standard and quality of the merchandise is restricted
- It's many time consuming process

2.1.2 PROPOSED SYSTEM:

Within the proposed system customer needn't attend the buy purchasing the product. He can order product through the web. He also want to shop for finished appliance popular smartphone. Within the proposed system it'll save many time and money and involves know many new product and their cost.

The web application has following features given below:

- So as to comparison of the present system the proposed system are going to take less time consuming and get more efficient profit.
- The analysis of the proposed system are going to be very easy because it is automated.
- This technique is extremely secure and there's no chances of loss of data because it depends on the system admin only.

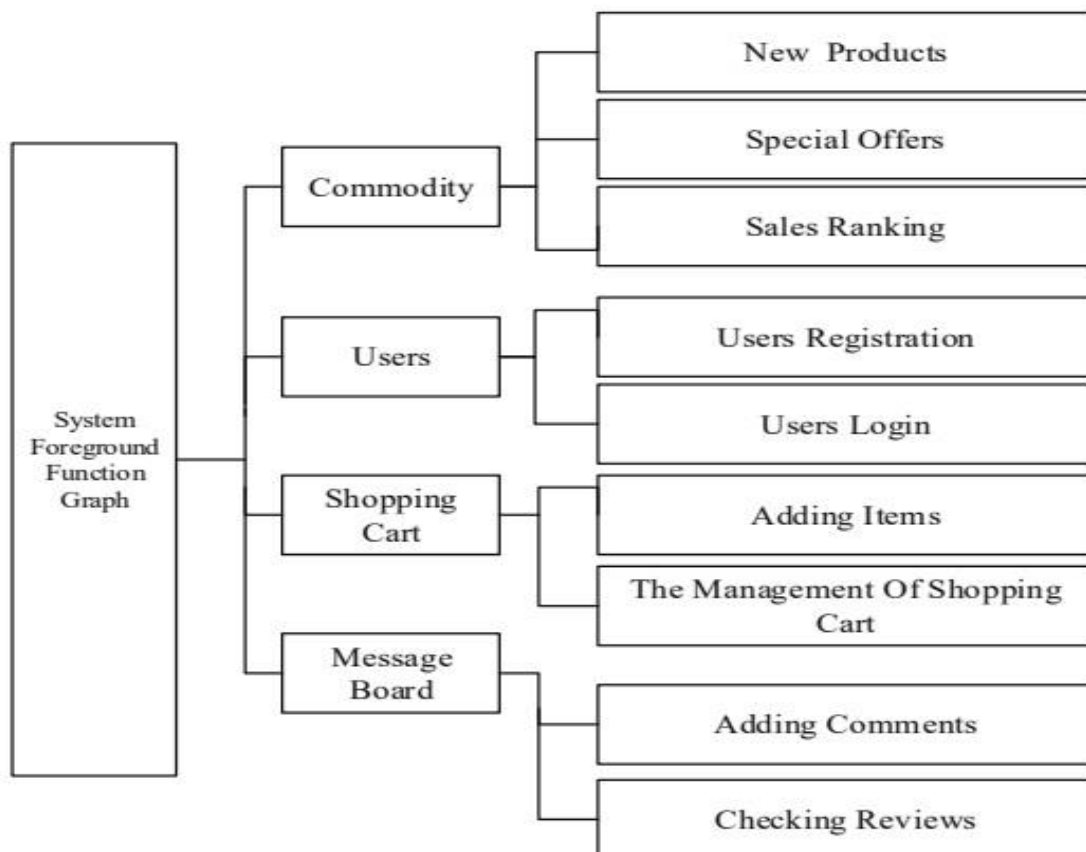


Figure 3: Front End System for Online Shopping Wallet Mart e-Store

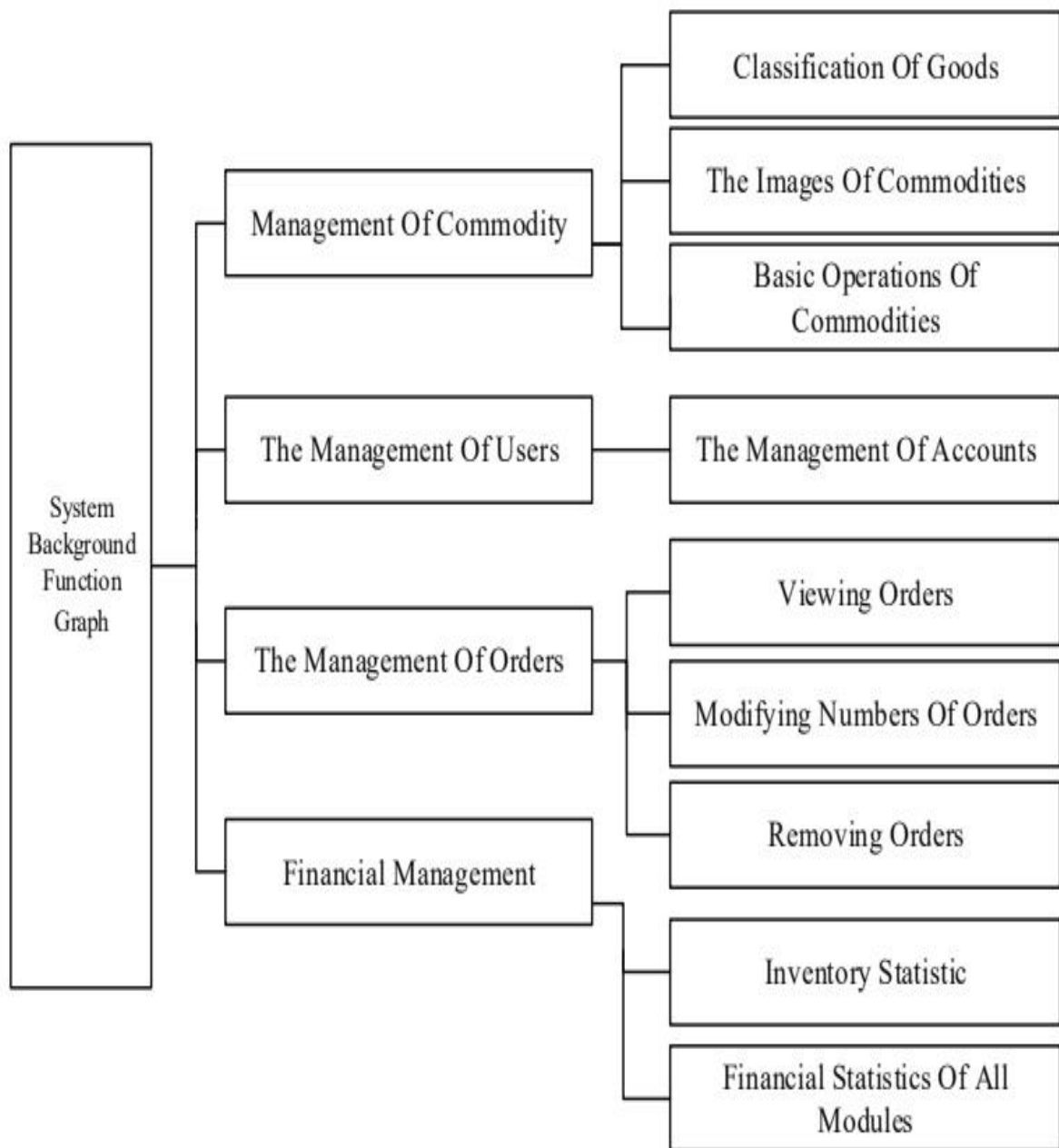


Figure 4: Back End System for Online Shopping Wallet Mart e-Store

2.2 FEASIBILITY STUDY:

This is the foremost important stage before developing the project, here business analyst are getting to checked weather the project implementation is feasible supported the various perspectives. Overall it check each and every field within the project and analysis 2 or 3 times regardless of the technology used and maintains the financial cost. Business Analyst taking the need of the project within one month if there's accidently he miss any requirement taking from the client then he can also take the need and modified it and again send to the need to the technical architecture then business analyst compared the project to the prevailing project weather it's possible to develop at minimum cost and obtain the advantage of the project. Technical Architecture decided that java language and spring boot framework is suitable for developing the project and H2 database is beneficial for developing the project. Here technical architecture also decided that V model is best for developing the project due to developing and testing both are happening parallel and it save many time to fix the difficulty at the event time after securities analyst decided the event cost of the project and external other cost. His analysis the assembly cost and deployment cost of the project.

There are some feasibility study are given below:

Business Analyst Feasibility:

Business analyst taken all the need from the client and analyze the need 2 or 3 times and he determined whether the client requirement is suitable or not. It takes one month time that all the need from the client and send the acceptance mail to the client. Then business analyst sent the project requirement details to the technical architecture.

Technical Architecture Feasibility:

Technical architecture selected the java language and spring boot framework for developing the project and he also decided the H2 database is best suitable for this project. He also used the pay pal payment gateway for transaction purpose and used the simplest security design pattern.

Financial Analyst Feasibility:

Financial analyst decided that what proportion initially development cost of the project and the way much got to enjoy the project and at the time of project deployment again getting to check all the financial cost, profit, and external expenditure of the project.

Project Manager Feasibility:

Project manager taken all the responsibility of the project and checked all the small print of the project on every phase of the event and testing phase. If any issue is raised at the event and testing time, developer unable to repair the bugs then he taken the responsibility and guide the difficulty. If the other issue raised after deployment of the project then business analyst taken the responsibility of the project.

2.3 TOOLS AND TECHNOLOGY USED

In the process of developing the actual project it's essentially required to make a decision, which tools and technology we are getting to be used and why?. Selecting the acceptable tools and technology is that the best way of developing the project and that we need to maintain the project developing standard so its becomes very easy to develop the project. There are various tools and technologies that are utilized in developing the both front and rare of the project of being discussed during this chapter.

That is the rational we've decided to use java technology to develop the project implementation. In java technology we have used java development kit software, spring framework, spring tool suite IDE (Integrated Development Environment) and tomcat apache server 9.0, etc. This is often the simplest approach for developing the java based project.

Spring Tool Suite:

It is an integrated Development environment (IDE) for developing the project.

Java Server Pages (JSP):

According to java technology we are calling tags based programming language. During this java server page we save the file by using Jsp extension. It is often constructed alongside hypertext terminology code and java code. Here java code is made using Jsp tags there's no

separate translation and compilation are done by manually its happened automatically by the web container. Whenever client request for a Jsp Page the server process the Jsp request and merge it with HTML of the page and send the dynamic response to the client or browser. Java is employed during this system as a programming language, rational to decide on it's determined by its powerful characteristics.

HTML:

It is a terminology. It is wont to develop sites. Terminology is employed to make structure of the online pages. Its tag based language. It's platform independent. It provides better connectivity. It provides facility to feature links on sites.

Back End:

This is the vital for developing the project to arrange and maintain the client data. Here we are used the maven tools to take care of and organize the quality project structure and maven repository automatically download all the jar file required. No need explicitly to download and configure the jar files. Spring Boot and H2 Database are wont to implement the rare end technology.

Spring Boot:

First off all Spring Boot isn't a framework. It's how to make any quite (J2EE) Spring Application with minimal and zero configuration. It's an approach to develop spring based application with very less configuration but it's developed on the highest of existing spring framework. It reduces the lot of development time and increase the productivity of the project. It avoids of writing many boiler plate code. Annotation and XML configurations. It's very easy to integrate spring boot application with its spring environment like spring object relation mapping (ORM), spring data, and spring security. Spring java database connectivity (JDBC), etc. It provide embedded http server like Tomcat, Jetty, etc. and it's very easy to check our web applications.

JDK:

Within the process of developing the java project we require the software development environment it's nothing but java development Kit (JDK). There are another tools are like java runtime environment, java Virtual Machine, a category loader sub system, Compiler, Linking, initialization these are link to every other internally for developing the java project. While

loading the .class file inside the JVM it require some memory to store the .class file. There are five memory area present inside the JVM method area, Heap area, Stack area, PC Registers area, Native method stack. To develop the software we required IDE, here we are used Software Tools Suite.

JQuery:

JQuery is a partner in nursing ASCII content record JavaScript library that shortens communication amid HTML/CSS article. There are various tools and technologies that are utilized in developing the both front and rare of the project of being discussed during this chapter.

2.4 Hardware and Software Requirements:

HARDWARE REQUIREMENTS:

System Processor	:	Intel core i5
System Processor Speed	:	3.20 GHz or Higher
System RAM	:	8GB
System Hard Disk Space	:	150 GB

SOFTWARE REQUIREMENTS:

Operating System	:	Windows 10
IDE	:	Eclipse
Front-End	:	CSS, HTML, JSP, JAVASCRIPT
Database	:	H2 Database
Back-End	:	Java, Spring Boot

CHAPTER 3

SOFTWARE REQUIREMENT SPECIFICATION

In the wake of gathering all the predefined data concerning the product to be created I made the SRS record. The srs best ever rule contains all the client prerequisites in a spur of moment structure. This product fundamentals determination gives a total depiction of the considerable number of capacities and particulars of modules.

3.1 FUNCTIONAL REQUIREMENTS:

3.1.1 Dominant Care:

This element involves of material around the harvests also amenities.

3.1.1 Produce Chief:

Price main embraces gen nearby exacting merchandise, such as invention quantity, piece, tag, and grouping, duplicate of yields, narrative, countryside, and limits of crops.

3.1.2 Price Master:

Value main contracts by value of making, bargains, apt for the precise foodstuffs of vender/mercantile.

3.1.3 Transactions:

Altogether transaction be subjected to in the website will be skillful and be able to by this part. Relations in the intellect, Errands Cart.

3.1.4 Reporting:

This unit agreements through tale supervision of the full scheme. This embraces 3 sub-modules Typical Statement, Direction Testimony and Conveyance Account.

3.1.5 Order Report:

Command Story willpower have the slope of harvests tidy and the client facts.

3.1.6 Delivery Report:

Conveyance Account determination cause outcomes list, which are brought to patrons.

3.1.7 Security:

The organization necessity robotically logout wholly regulars once a retro of sedentariness.

3.2 NON-FUNCTIONAL REQUIREMENTS:

Those characteristics or features which is not proportional to the customize approach provided by system. They are dependent on some of the system properties, however it define condition on the system such as the ability of the IO devices and how the data is represented using system as an interface. These are not always connected with independent system features, however these requirement include the characteristics of the system that are more crucial situation than functional requirements. Declining to fit these requirement mean that whole system is ineffective.

Some of the important characteristics of Non-Functional Requirements

1. Efficiency
2. Reliability
3. Maintainability
4. Robustness
5. Portability

3.2.1 Efficiency

It should be made sure that system resources such as memory and processor cycles are not wasted.

3.2.2 Reliability:

The structure delivers storing of all files on fired CPUs with involuntary switchover. The consistency of the global sequencer be contingent on the dependability of the distinct gears.

3.2.3 Availability:

The framework ought to be accessible consistently, which means the client can get to it utilizing an internet browser, just confined by the personal time of the server on which framework runs. In event of an equipment disappointment or database debasement, reinforcements of the data ought to be recovered from server.

3.2.4 Maintainability:

Beneficial organizer is used for maintaining the record and case server receipts fix place. This situation frustration, module finished.

3.2.5 Portability:

The end-user share is plentifully moveable and any technique by means for any net program ought to have option to utilize scenes of the arrangement, along with any equipment platform that are available.

CHAPTER 4

SYSTEM DESIGN

4.1 SYSTEM PERSPECTIVE:

The package development method is outlined as a group of phases {portraying / depicting/ depiction/ portrayal/ representational method} the assorted procedures within the development process. System perspective involves the performance and functionalities of the system which might describe the system.

This can be outlined as associate degree initialized step for distinctive the answer from the beginning of the matter. The planning is outlined as associate degree intercessor between the stages of implementation. The output at this stage could be a style of the document within the read of a system one shouldn't take into account the system as associate degree isolated entity. The system perspective defines the functionalities and relationship between the atmosphere and therefore the system. It defines however every module within the system communicates interactively to supply a whole answer to the matter that was known.

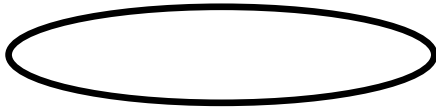
The main goal of SDLC is distinctive and upgrading the necessity of a system in to code. Here we have a tendency to primarily outline however completely different modules of a system communicate and what the dependencies between every modules of the system.

4.2 CONTEXT DIAGRAM

Setting Diagram can be characterized as an elevated level graph or which shows the connection between the framework and its outside elements. A context graph is additionally called Context.

Level Information Movement Figure. It gives a graphical portrays of the movement of data, between the framework and other outer substances. It characterizes the information sources and yield of the structure and where info will be taken care of.

CONTEXT DIAGRAM NOTATIONS



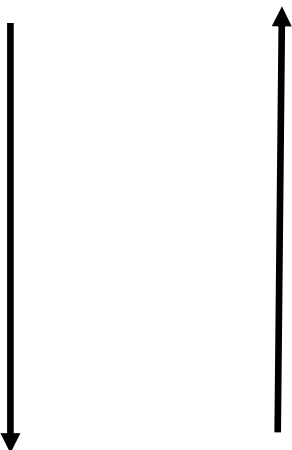
Process – Characterizes the function



Data Store – Signifies File and Database



Source/ Sink – Denotes Input or Output



Data Flow – Symbolizes flow of data

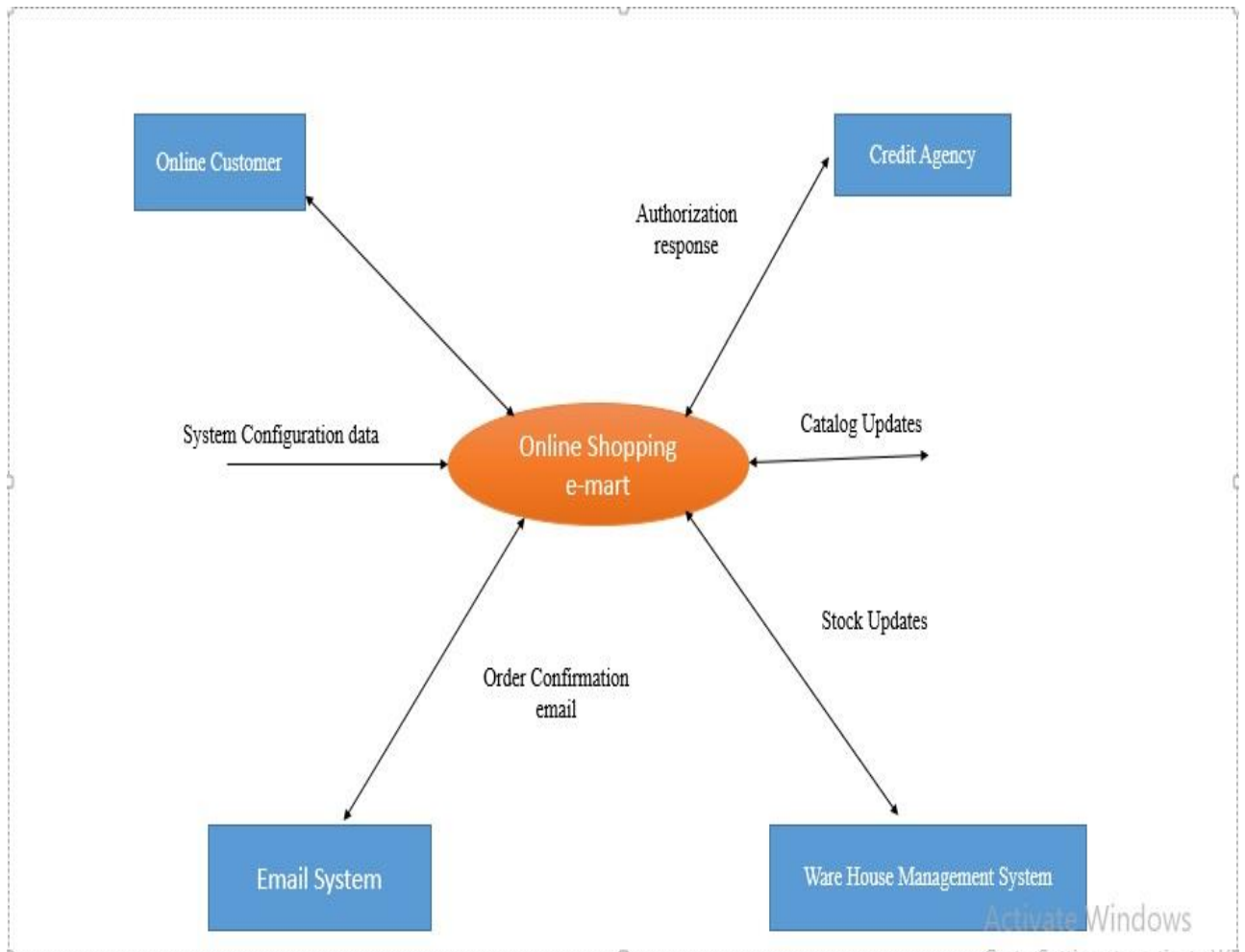


Figure 6: Context Diagram for Wallet Mart e-Store



Figure 7: Online Shopping e-Store

4.2.1 DFD DIAGRAM FOR ADMIN:

Data Flow Diagram for admin is which is be used for back-ground process, where it can handle its own product according to the customer or user interest in their product, category details, etc.

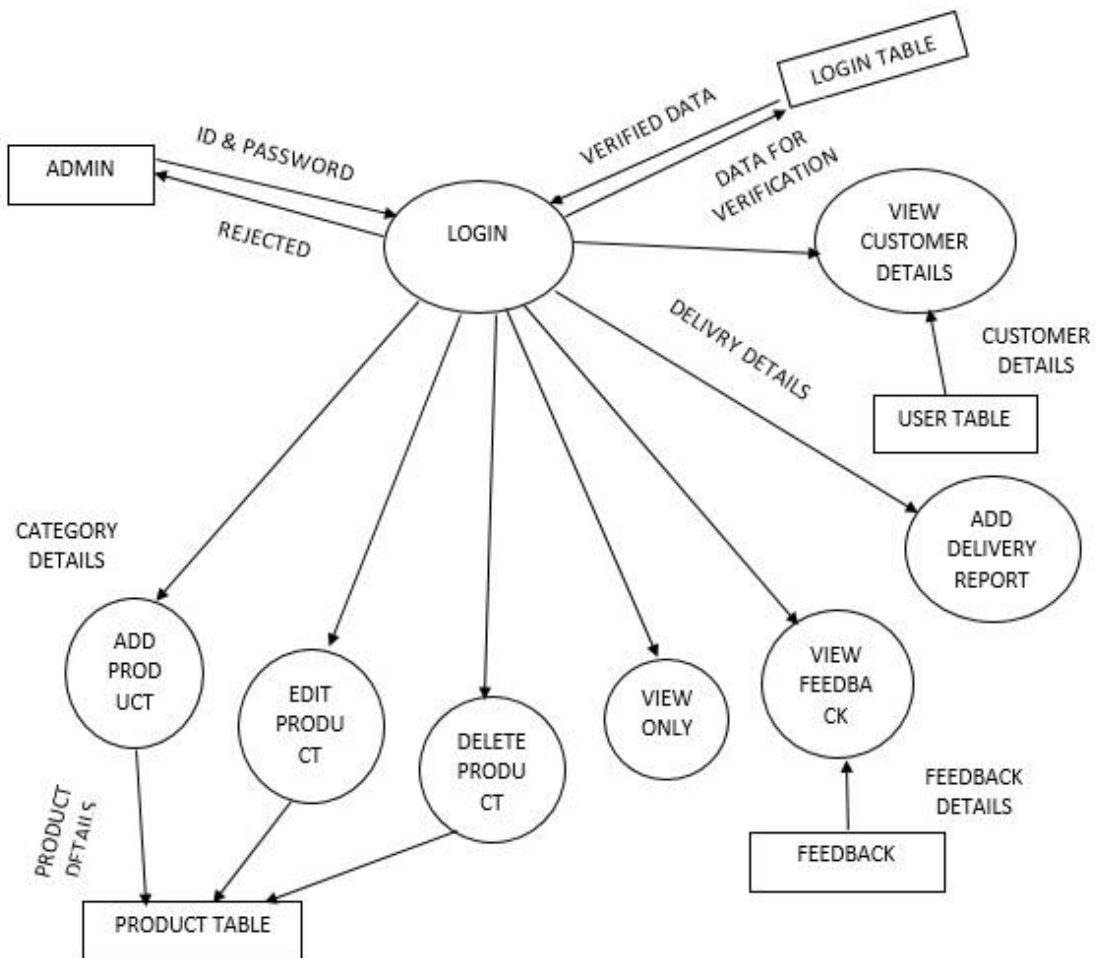


Figure 8: Data Flow Diagram for Admin

4.2.2 DFD DIAGRAM FOR USER:

Data Flow Diagram for user is where it displays about user registration, login for website. It is used to search product details, its table, feedback details, etc.

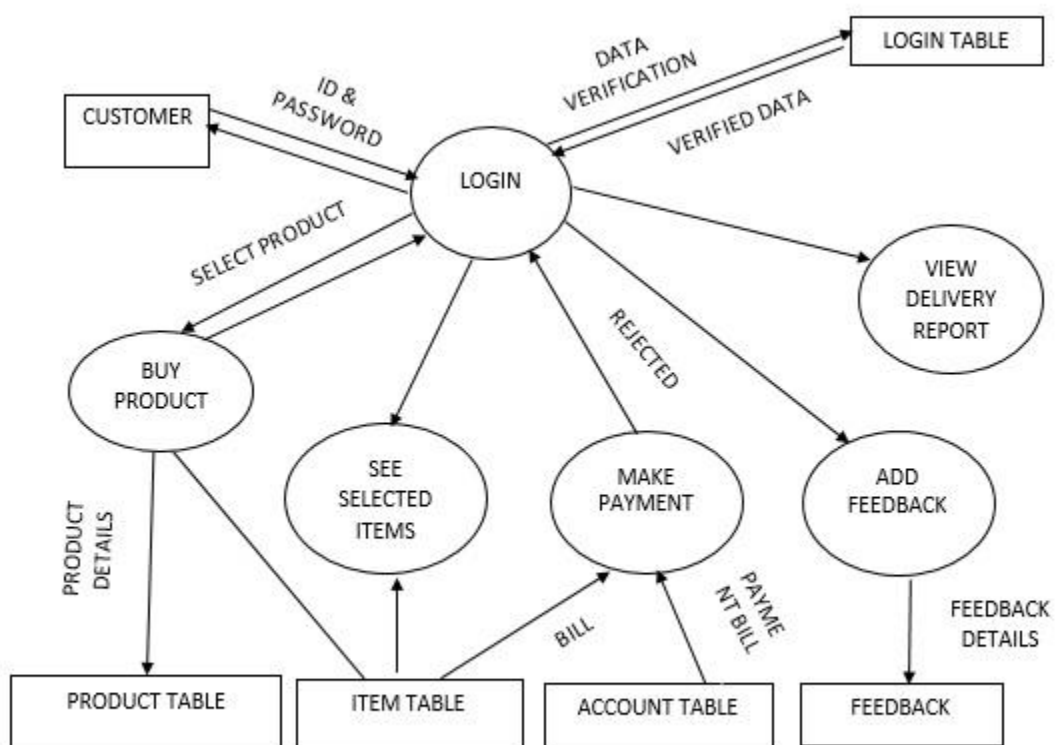


Figure 9: Data Flow Diagram for User

CHAPTER 5

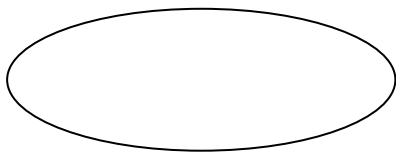
DETAILED DESIGN

5.1 USE CASE DIAGRAM

It is characterized the connection between the client and the framework. It makes reference to the utilization situations where the client is to be included, they are utilized to assemble prerequisites of a framework. With the assistance of thus outline, the prerequisites of a framework are watched and perceived.

Use Case Diagram Notations

Notation

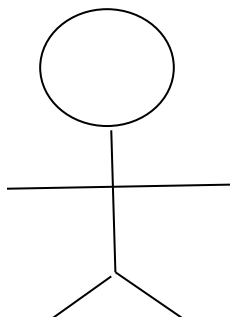


Name

Use Case



Association



Actor



Generalization

5.1.1 USE CASE DIAGRAM

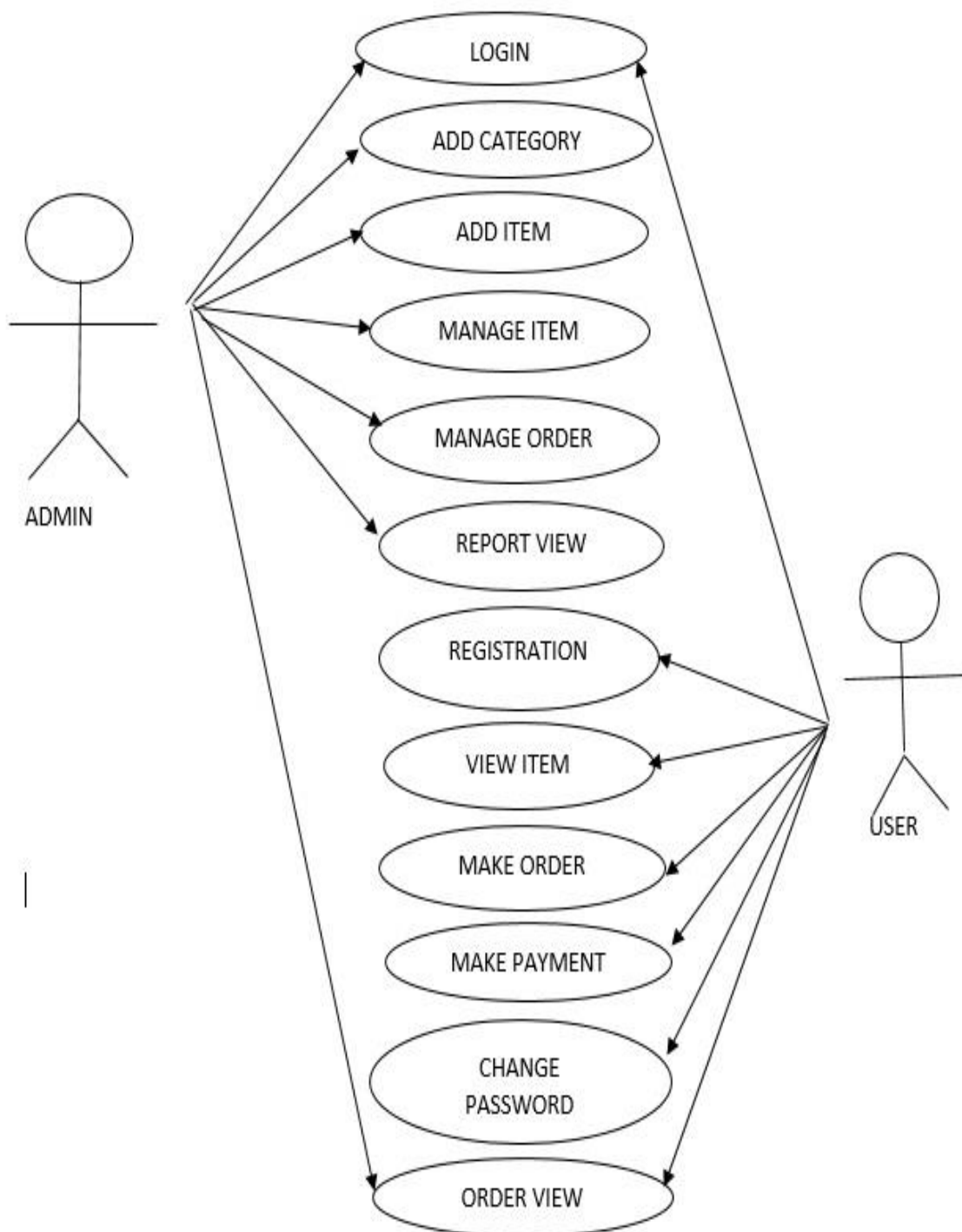


Figure 10: Use Case Diagram for both Admin and User

UML Description

In the above UML Diagram Figure 10 Admin and User are the actors, Admin's functionalities are as follows:

- Logs in by entering admin id and password
- Add, Edit and Delete the product categories such as Belt, Wallet, etc.
- Add, Edit and Delete the product and equipment which gives the special offers.
- Add, Edit and Delete the product which gives a quality and reasonable price for a product.
- Manage product and equipment by updating the latest pictures and market rate with discount.
- Manage Order booking by providing Order Receipt and Invoice with complete details of estimated delivery, product name and total amount included with GST.

User's functionalities are as follows

User Register by providing his personal details with email id and password, system register by checking with correct information provided.

- Logs in by entering user id and password
- Views the Lather Product in the product page according to the category and equipment in module.
- Money Order option is provided to the user to make payments, In return user gets the order receipt and invoice receipt with all the details.
- Pay Pal Order option is provided to the user to make payment online.

5.2 SEQUENCE DIAGRAM

It's far the outline that speaks to the progression of enthusiasm for a consecutive way. The interaction of the items is being shown. The graph speaks to the successive drift of the messages which are being traded from one item to the other option.

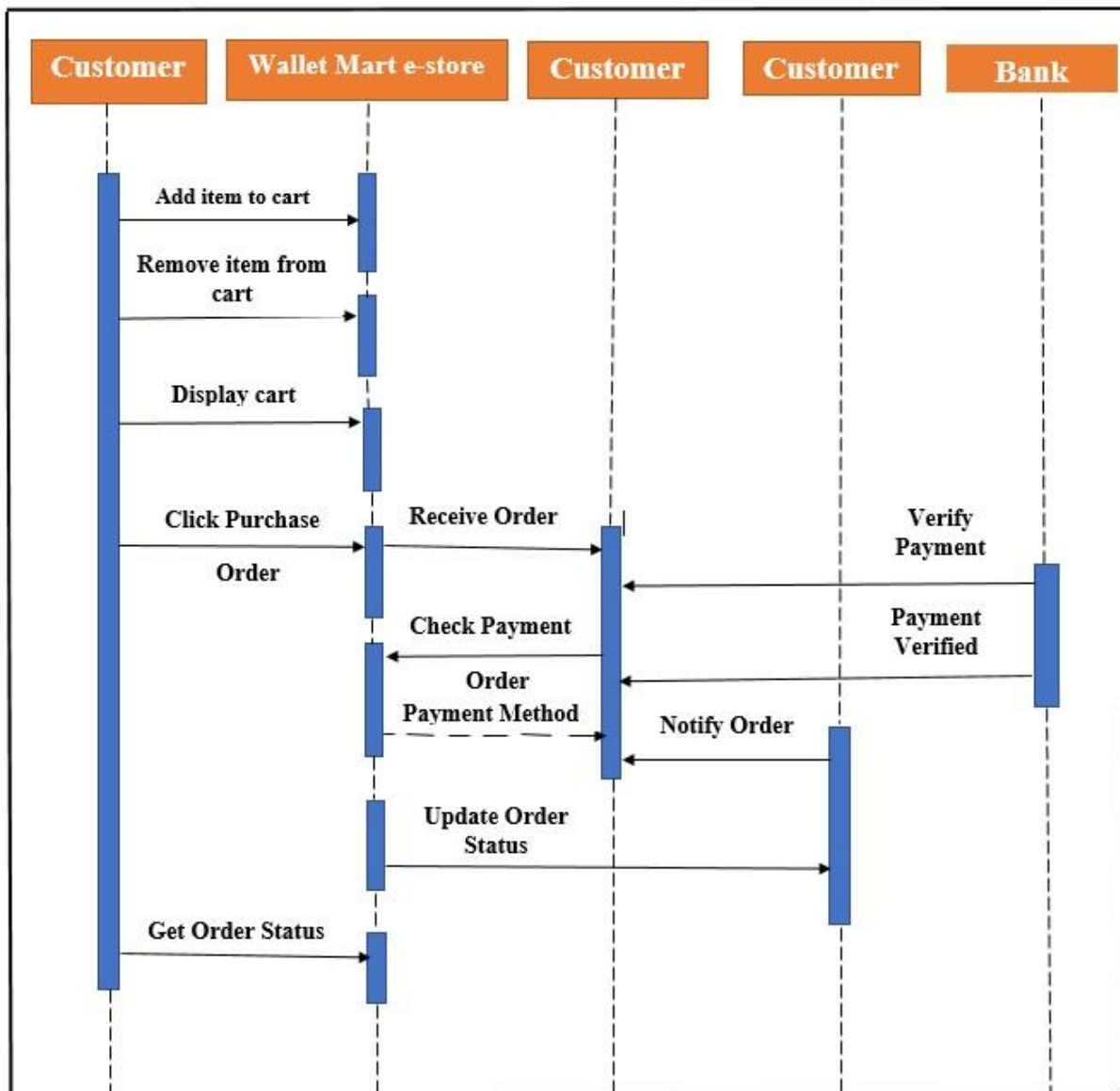


Figure 11: Sequence Diagram

5.3 ACTIVITY DIAGRAM

The action chart might be portrayed as a flowchart that delineates the coast from one hobby to another diversion. It basically characterizes the grouping of steps that are followed to play out an action.

- Diamond image speaks to the activity.
- Begin of the control take the path of least resistance is demonstrated by methods for the stable.
- Strong hover inside the entire circle speaks to the end of the control stream.
- Arrow is utilized as a connector among an assortment of exercises are being traded from one article to the other option.

5.3.1 Activity Diagram for Admin:

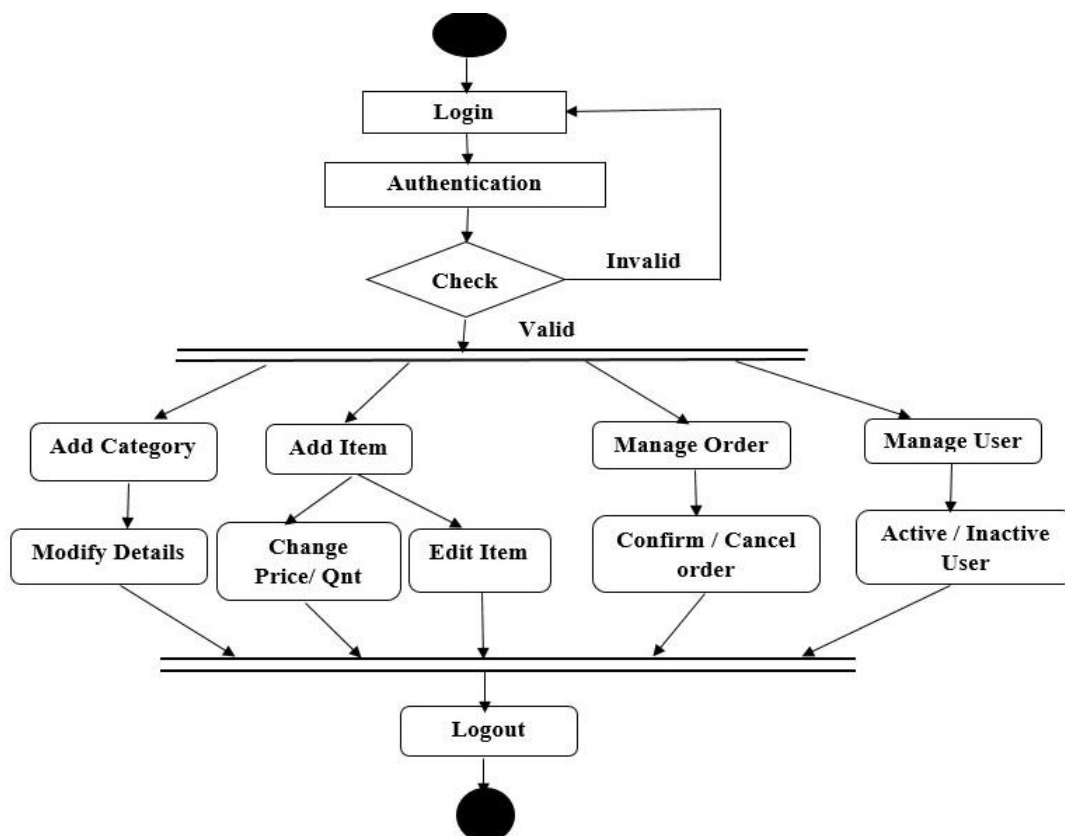


Figure 12: Activity Diagram for Admin

5.3.2 Activity-Diagram for User:

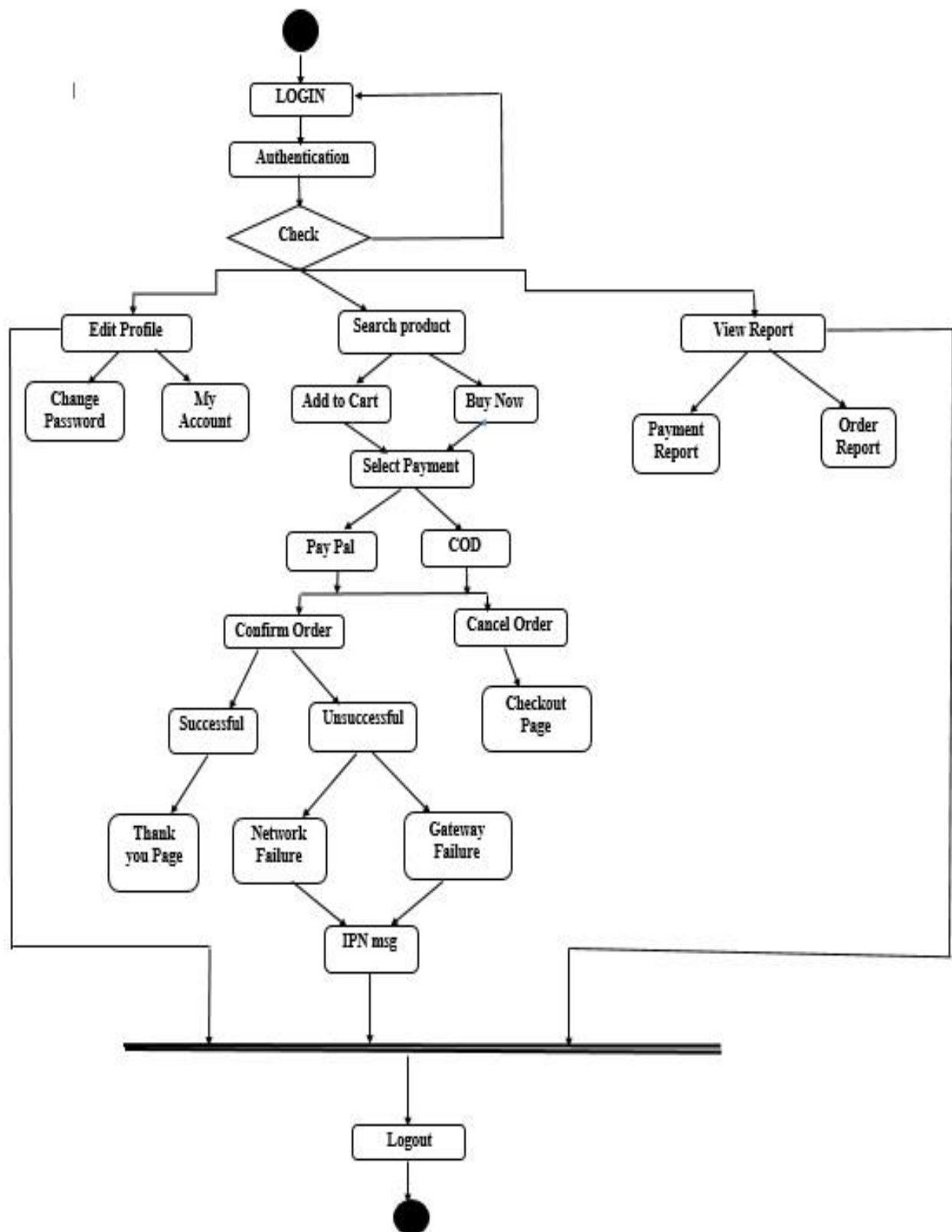
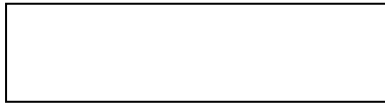


Figure 13: activity diagram for User

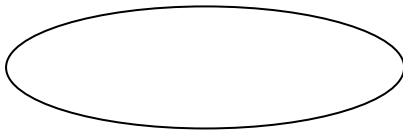
5.4 ENTITY RELATIONSHIP (E-R) DIAGRAM

An ER Diagram can be object, place, person or class. ER Diagram is named as Entity Relationship Diagram. It represents in Rectangle. The ER Model is oral by means for ER outline. It shows the single entities of relation and single instances.

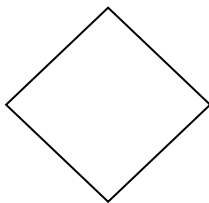
E-R DIAGRAM NOTATIONS



Rectangle denotes Entity



Ellipse represents Attributes



Rhombus indicates Relationship sets



Lines links the Attributes and Entity set

5.4.1 ER-DIAGRAM:

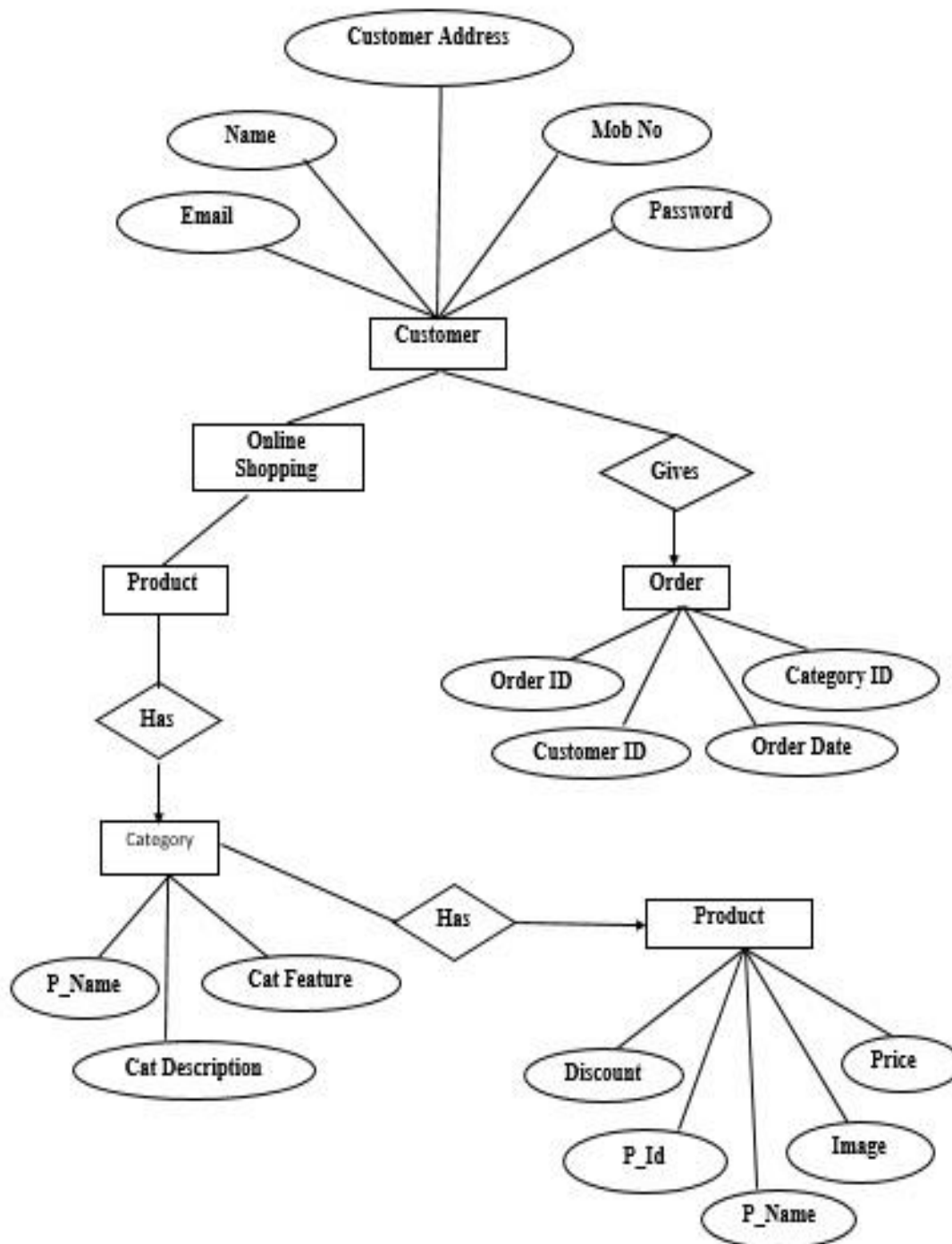


Figure 14: ER Diagram for Wallet Mart e-Store

CHAPTER 6

IMPLEMENTATION

Execution is the period of programming improvement where all the investigation, arranging, and structures meet up, finishing up into a product item. The advancement testing groups sit together close by the group engaged with the investigation eliminate and compose designs about the execution procedure. The customer's necessities, cutoff times, advancement model, and so forth are point by point to the two groups. There are numerous choice to be made during this stage, such as building parts. This is bolstered by the choice of the correct structure model, for example, the winding or nimble technique.

The engineering and prerequisite reports fill the need for task finishing of rules. It likewise checks with issues of value, execution, gauge, libraries, and investigating. In such a manner, the organization's or industry coding standard rules are followed according to the designer's decision. The conclusive outcome is simply the item.

The usage stage includes the accompanying:

- Appropriate arranging
- Examining the framework and its conditions.
- Estimating the progress strategy.

6.1 SCREENSHOTS:

Login Page

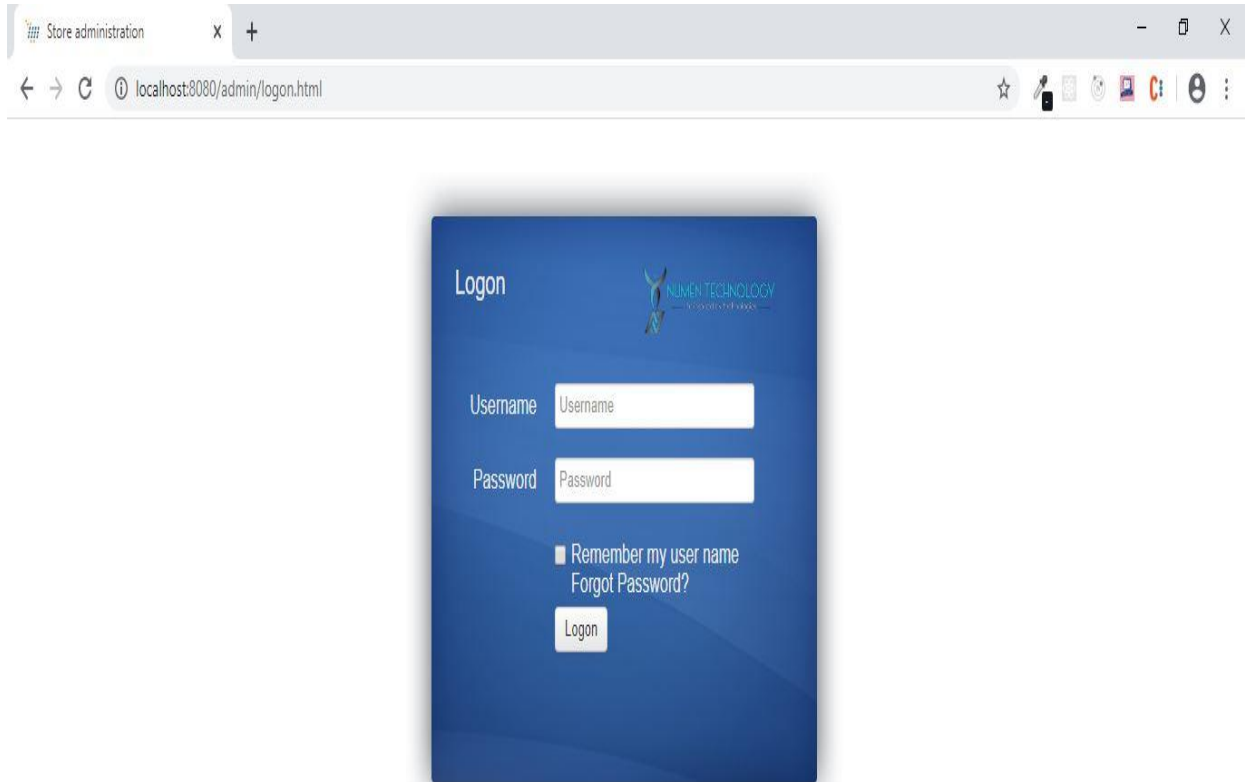


Figure 15: Login Page

Admin Home Dash-Board:

The screenshot displays the Admin Home Dash-Board in a browser window. The browser's address bar shows the URL `localhost:8080/admin/home.html`. The page features a navigation menu on the left with the following items: Home (selected), Store, Profile, Catalogue, Manage content, Shipping, Payment, Customers, Orders, Manage taxes, Cache management, and Configurations. The main content area is divided into two sections: 'Store information' and 'Recent orders'.

Store information

Default store
 1234 Street address
 My city, QC, 560078
 India
 888-888-8888

admin@shopizer.com
 Last access: 14 February, 2020 4:37:51 AM


Recent orders

Id	Customer name	Total	Order date	Status	Payment module	Details
1	John Doe	63.00	2019-03-06	ORDERED	moneyorder	Details


Figure 16: Admin Home Dash-Board

Home Page Sample:





Have a question? Phone number: 888-888-8888 English My Account Shopping cart(0)




Home Shop Page



Featured items

			
Chic Vintage DeVille INR88.00 INR60.00 <input type="button" value="Add to cart"/>	Vintage Laptop Bag INR78.00 <input type="button" value="Add to cart"/>	Vintage Beach Bag INR60.00 <input type="button" value="Add to cart"/>	Retro Style Bag INR48.00 <input type="button" value="Add to cart"/>

Default store
1234 Street address My city
Karnataka, India
560078
Phone number: 888-888-8888



- Home
- Handbags
- Beach Bags
- Laptop Bags
- Bags
- Contact Us
- French
- Register
- Sign In

© Default store 2019-2020 - Powered by WalletMart-Numetechnology


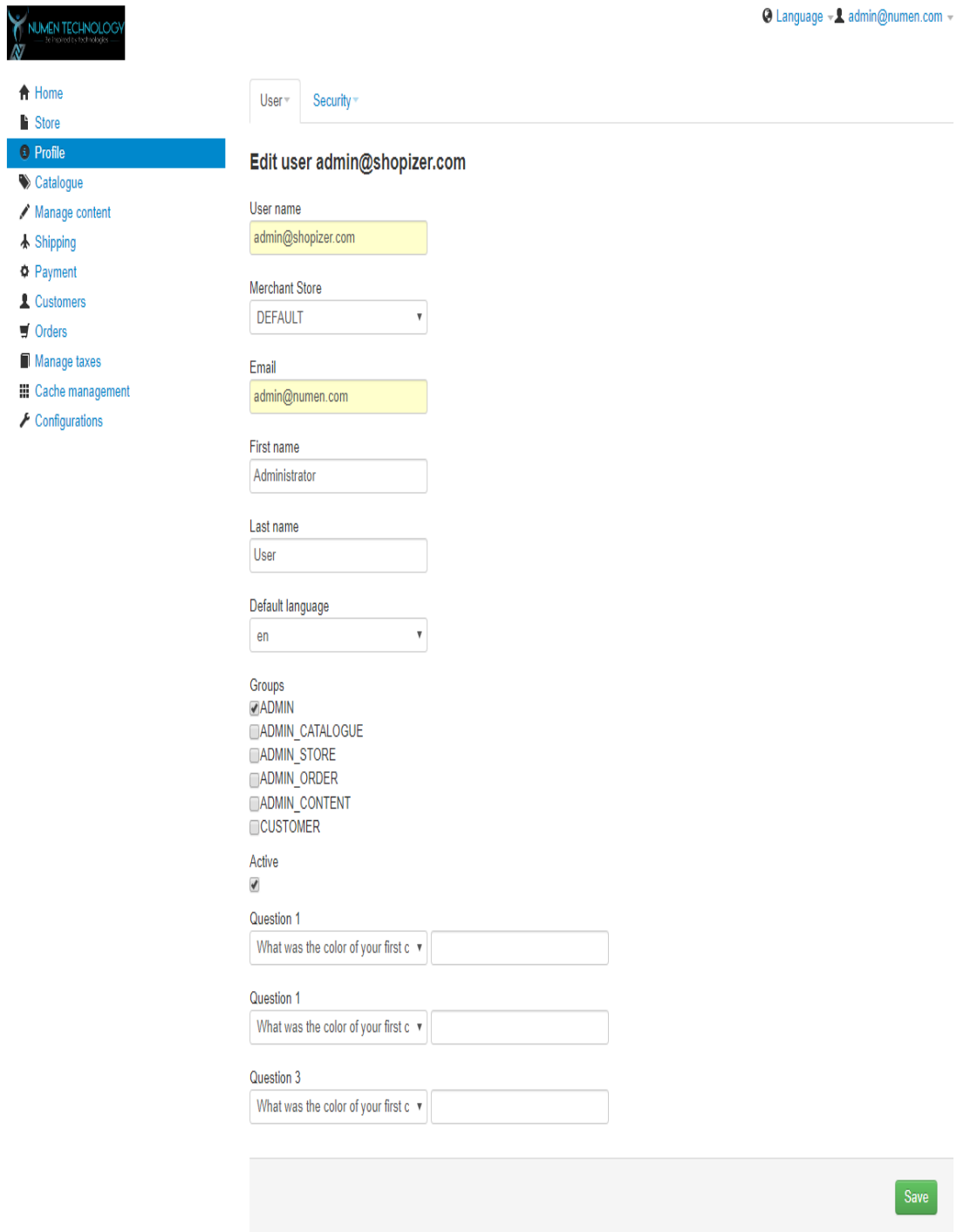


Figure 17: Home Page Sample

Profile Setting:



NUMEN TECHNOLOGY
Digital Technology

Language - admin@numen.com

- Home
- Store
- Profile**
- Catalogue
- Manage content
- Shipping
- Payment
- Customers
- Orders
- Manage taxes
- Cache management
- Configurations

User Security

Edit user admin@shopizer.com

User name
admin@shopizer.com

Merchant Store
DEFAULT

Email
admin@numen.com

First name
Administrator

Last name
User

Default language
en

Groups
 ADMIN
 ADMIN_CATALOGUE
 ADMIN_STORE
 ADMIN_ORDER
 ADMIN_CONTENT
 CUSTOMER

Active

Question 1
What was the color of your first c

Question 1
What was the color of your first c

Question 3
What was the color of your first c


Save

© Numentech 2010-2020

Figure 18: Profile Setting


Cart Page:

Have a question? [Phone number: 888-888-8888](tel:888-888-8888) English ▾ My Account ▾ Shopping cart (1) ▾



[Home](#) [Shop ▾](#) [Page ▾](#)


Review your order

ITEM	QUANTITY	PRICE	TOTAL	
 Chic vintage DeVille	1	INR60.00	INR60.00	<input type="button" value="X"/>

TOTALS

SUBTOTAL INR60.00
TOTAL INR60.00

Default store
1234 Street address My city
Karnataka, India
560078
[Phone number: 888-888-8888](tel:888-888-8888)



- [Home](#)
- [Handbags](#)
- [Beach Bags](#)
- [Laptop Bags](#)
- [Bags](#)
- [Contact Us](#)
- [French](#)
- [Register](#)
- [Sign In](#)

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Figure 19: Cart Page

Cate-log Management:

NUMEN TECHNOLOGY
Empowering technology

Language admin@numen.com

Home
Store
Profile
Catalogue
Manage content
Shipping
Payment
Customers
Orders
Manage taxes
Cache management
Configurations

Products Categories Options Products group List of manufacturers

Categories		Products				
Root		Id	Name	Sku	Available	Details
No items to show.						


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Figure 20: Cate-log Management


Product Page:

Have a question? Phone number: 888-888-8888

English ▾ My Account ▾ Shopping cart⁽⁰⁾ ▾

 Search Search

Home Shop ▾ Page ▾



Chic vintage De Ville

✓ Available: 14
 Product code NK035
 ★★★★★
 0 Customer review(s)

~~INR88.00~~ **INR60.00**

Add to cart

[PRODUCT DESCRIPTION](#) ★ [CUSTOMER REVIEW\(S\)](#)

Chic vintage De Ville
 Weight: 1 Kilograms
 Height: 17 Inches
 Width: 28 Inches
 Length: 4 Inches

Default store
 1234 Street address My city
 Karnataka, India
 560078
 Phone number: 888-888-8888

f

Home
 Handbags
 Beach Bags
 Laptop Bags
 Bags
 Contact Us
 French
 Register
 Sign In

© Default store 2019-2020 - Powered by WalletMart-Numetechnology





   

Figure 21: Product Page

Content Management Module:

NUMEN TECHNOLOGY
Software Technology

Language admin@numen.com

Home
Store
Profile
Catalogue
Manage content
Shipping
Payment
Customers
Orders
Manage taxes
Cache management
Configurations

Manage pages Manage boxes Manage images Manage files

Content pages

Id	Code	Name	Details
No items to show.			

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Figure 22: Content Management Module

Customer Management:

The screenshot displays the Customer Management interface. On the left is a sidebar with navigation links: Home, Store, Profile, Catalogue, Manage content, Shipping, Payment, Customers (highlighted), Orders, Manage taxes, Cache management, and Configurations. The top right header shows 'Language' and 'admin@numen.com'. The main content area is titled 'Customer list' and features a table with the following data:

Id	Customer first name	Customer last name	Email address	Customer country	Details
1	John	Doe	test@gmail.com	CA	Details

Additional elements include a 'Customer list' dropdown menu with options: List of customer options, Create customer option, List of customer option values, Create customer option value, and Manage customer options set. A 'Customer options' dropdown menu is also visible above the table.

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Figure 23: Customer Management

Payment Page:

The screenshot displays the 'Payment Page' of a web application. At the top right, there is a user interface element for 'Language' and a user profile icon labeled 'admin@numen.com'. The sidebar on the left contains a list of navigation items: Home, Store, Profile, Catalogue, Manage content, Shipping, Payment (highlighted in blue), Customers, Orders, Manage taxes, Cache management, and Configurations. The main content area is titled 'Payment methods' and lists two options: 'Money order' (indicated by a green dot) and 'PayPal express checkout' (indicated by a red dot). To the right of 'Money order' is a small image of a cheque, and to the right of 'PayPal express checkout' is the PayPal logo. At the bottom left, the footer text reads '© Numentech 2010-2020'.

Figure 24: Payment Page

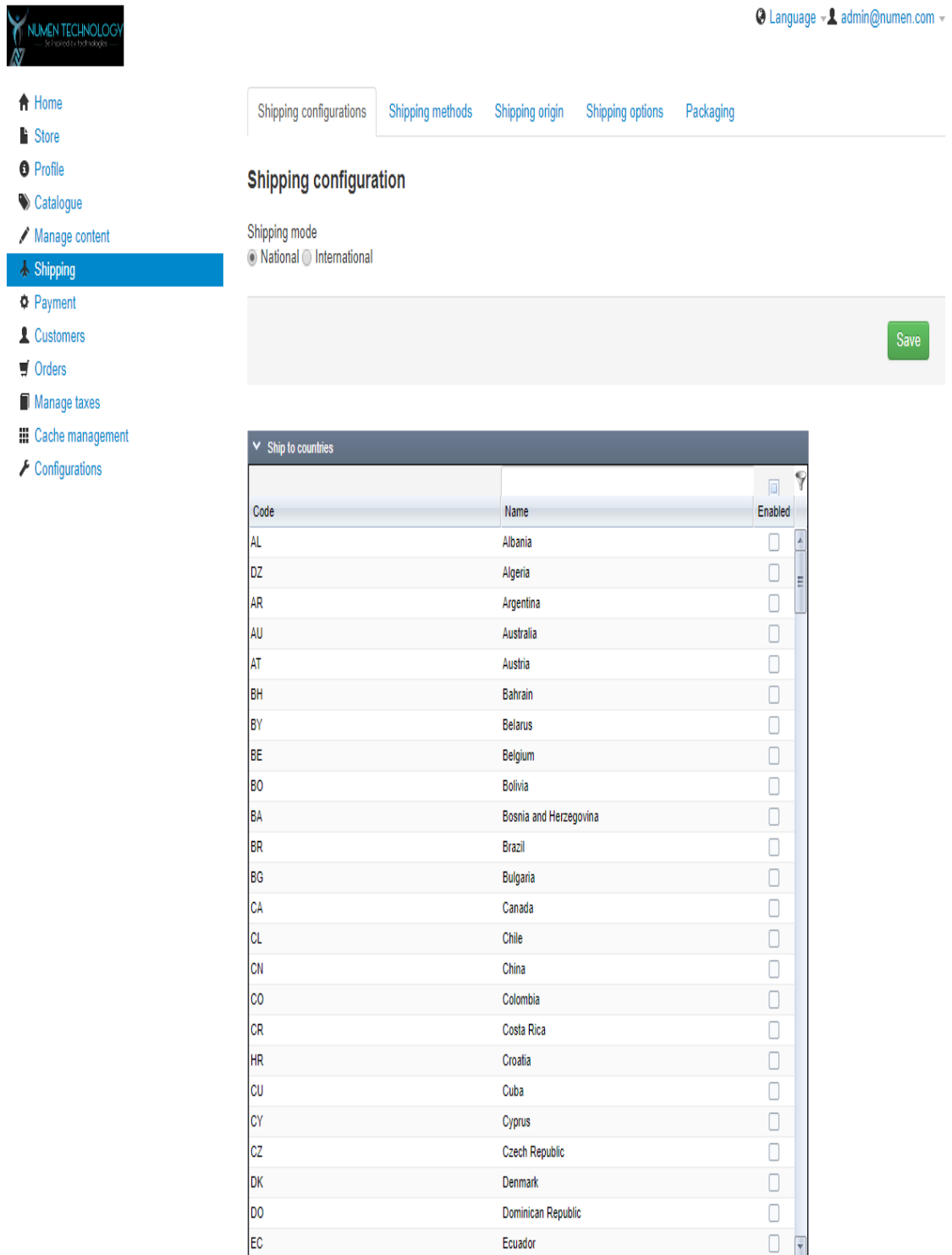
Order Management:

The screenshot displays the Order Management interface. On the left is a sidebar with the following navigation items: Home, Store, Profile, Catalogue, Manage content, Shipping, Payment, Customers, **Orders** (highlighted), Manage taxes, Cache management, and Configurations. The top header features the Numen Technology logo and the text 'NUMEN TECHNOLOGY - Empowering Retail Brands', along with 'Language' and 'admin@numen.com'. The main content area has a 'List of orders' tab and a table titled 'Orders'. The table contains one entry:

Id	Customer name	Total	Order date	Status	Payment module	Details
1	John Doe	63.00	2019-03-06	ORDERED	moneyorder	Details

Figure 25: Order Management

Shipping Page:



NUMEN TECHNOLOGY
EMPOWERED BY TECHNOLOGY

Language admin@numen.com

Shipping configurations Shipping methods Shipping origin Shipping options Packaging

Shipping configuration

Shipping mode
 National International

Save

Code	Name	Enabled
AL	Albania	<input type="checkbox"/>
DZ	Algeria	<input type="checkbox"/>
AR	Argentina	<input type="checkbox"/>
AU	Australia	<input type="checkbox"/>
AT	Austria	<input type="checkbox"/>
BH	Bahrain	<input type="checkbox"/>
BY	Belarus	<input type="checkbox"/>
BE	Belgium	<input type="checkbox"/>
BO	Bolivia	<input type="checkbox"/>
BA	Bosnia and Herzegovina	<input type="checkbox"/>
BR	Brazil	<input type="checkbox"/>
BG	Bulgaria	<input type="checkbox"/>
CA	Canada	<input type="checkbox"/>
CL	Chile	<input type="checkbox"/>
CN	China	<input type="checkbox"/>
CO	Colombia	<input type="checkbox"/>
CR	Costa Rica	<input type="checkbox"/>
HR	Croatia	<input type="checkbox"/>
CU	Cuba	<input type="checkbox"/>
CY	Cyprus	<input type="checkbox"/>
CZ	Czech Republic	<input type="checkbox"/>
DK	Denmark	<input type="checkbox"/>
DO	Dominican Republic	<input type="checkbox"/>
EC	Ecuador	<input type="checkbox"/>

© Numentech 2010-2020

Figure 26: Shipping Page


Configuration Page:

The screenshot shows the Configuration Page of a web application. On the left is a sidebar with the Numen Technology logo and a list of navigation items: Home, Store, Profile, Catalogue, Manage content, Shipping, Payment, Customers, Orders, Manage taxes, Cache management, and Configurations (highlighted in blue). The top right corner shows 'Language' and 'admin@numen.com'. Below the sidebar, there are three tabs: 'Accounts configuration' (selected), 'Email settings', and 'System configurations'. The main content area is titled 'Configuration options' and contains several input fields: 'FaceBook Page' (with the value 'https://www.facebook.com/'), 'Google Analytics URL (UC-XXXXXX)' (empty), 'Instagram' (empty), 'Pinterest' (empty), and 'Twitter handle' (empty). A green 'Save' button is located at the bottom right of the configuration area. At the bottom left of the page, there is a copyright notice: '© Numentech 2010-2020'.

Figure 27: Configuration Page

Check Out Page:

[Have a question? Phone number: 888-888-8888](#)
English ▾
My Account ▾
Shopping cart⁽⁴⁾ ▾



Search

Home
Shop ▾
Page ▾

Checkout

Logon or signup to simplify the online purchase process!

BILLING INFORMATION

First name*

Last name*

Billing company

Street address *

City *

Country *

State / province *

Postal code *

Email address *

Phone number *

Create an account?

SHIP TO A DIFFERENT ADDRESS?

Order notes

ORDER SUMMARY

ITEM	TOTAL
Chic vintage DeVille x 1	INR60.00
SUBTOTAL	INR60.00
SHIPPING	INR0.00

A shipping quote will be available after filling the postal code

Store pick up: INR0.00

SHIPPING FEES

This option let you reserve you order items through the online system and pick up your order by yourself at the store. This option is also offered when no other shipping option is available for your region.

TOTAL	INR60.00
--------------	-----------------

Money order

Use money order

Please make your check or money order payable to:
Vintage Bags
1234 Test address

First name is required

SUBMIT ORDER

Default store
1234 Street address My city
Karnataka, India
560078
Phone number: 888-888-8888

f

- Home
- Handbags
- Beach Bags
- Laptop Bags
- Bags
- Contact Us
- French
- Register
- Sign In

© Default store 2019-2020 - Powered by WalletMart-Numetechnology










Figure 28: Check Out Page

Order Details



Language - admin@numen.com

- [Home](#)
- [Store](#)
- [Profile](#)
- [Catalogue](#)
- [Manage content](#)
- [Shipping](#)
- [Payment](#)
- [Customers](#)
- [Orders](#)
- [Manage taxes](#)
- [Cache management](#)
- [Configurations](#)

List of orders

Order ID 1 - ordered

More options ...

BILLING INFORMATION

Customer first name

John

Customer last name

Doe

Billing street address

123 E Street

Billing city

Toronto

Billing state / province

Ontario

Billing country

Canada

Billing postal code

H2H 2H2

Customer phone

8888888888

Customer email address

test@gmail.com

Order date

2019-03-06

Terms and conditions: false

Payment mode

MONEYORDER - moneyorder

Shipping mode

weightBased

SHIPPING INFORMATION

Shipping first name

John

Shipping last name

Doe

Shipping street address

123 E Street

Shipping city

Toronto

Shipping state / province

Ontario

Shipping country

Canada

Shipping postal code

H2H 2H2

Item	Quantity	Price	Total
Sace tissu multi usge - NK028	1	49.00	49.00
		Subtotal	49.00
		Shipping	14.00
		Total	63.00

Status

ORDERED

History

Status

Save

Figure 29: Order Details

Store Banding

The screenshot shows the 'Store Banding' configuration page. On the left is a navigation menu with 'Store' selected. The main content area has tabs for 'Store', 'Store branding', and 'Store home page', with 'Store branding' active. Below the tabs is a 'Store Logo - Remove' link. The central part of the page features a logo for 'The VINTAGE HAND BAGS' with the tagline 'Premium Brand ★ Quality Garments'. Below the logo are two identical form sections, each containing a 'Theme' dropdown menu (currently set to 'december') and a green 'Submit' button. The footer contains the copyright notice '© Numentech 2010-2020'.

Figure 30: Store Banding

User Group

The screenshot shows the 'User Group' configuration page. On the left is a navigation menu with 'Profile' selected. The main content area has tabs for 'User' and 'Security', with 'Security' active. Below the tabs is a 'Groups' section containing a table with the following data:

Id	Name	Type	Details
1	SUPERADMIN	ADMIN	Details
2	ADMIN	ADMIN	Details
3	ADMIN_CATALOGUE	ADMIN	Details
4	ADMIN_STORE	ADMIN	Details
5	ADMIN_ORDER	ADMIN	Details
6	ADMIN_CONTENT	ADMIN	Details
7	CUSTOMER	ADMIN	Details

The footer contains the copyright notice '© Numentech 2010-2020'.

Figure 31: User Group

CHAPTER 7

SOFTWARE TESTING

It is characterized as an approach of a work software gadget and distinguishing the big difference too among the unique in addition needed conditions then additionally to validate the traits of device or part. It is regularly delineated as an act of getting rid of software program gadget errors from an application. The method of checking out is nothing then again determining the mistakes in an application. It's the principal undertaking at some stage in software machine development. The program is being carried out by means of victimization many check cases and victimization these test cases the output of the application is evaluated to take a look at if the functions area unit running in line with the consumer desires or not. Software program device trying out is the most significant endeavor that reveals the remaining evaluation of fashion and code generation.

Types of Testing:

white box testing

black box testing

1. White Box Testing:

It is moreover referred to as Glass Box testing. This method of checking the internal structures or workings of a utility because it was expected to perform.

2. Black Box Testing:

It is moreover referred to as behavioral Testing. It examines the practicality of the machine while no longer intrusive with the inner constructions of the system. This could be applied on absolutely extraordinary stages of testing to take a look at the correctness of the software program device it without a doubt exams whether or not or now not the wishes vicinity unit satisfied whilst not getting into the inner structure of the software program system.

The testing stages are:

1. Unit Testing
2. User acknowledgment hard

Unit Testing:

Unit testing is test that is carried on to test whether the individual projects are working effectively.

User Acknowledgment Testing:

Client acknowledgment testing (UAT) is the last portion of the product testing process, during UAT, genuine programming client test the product to ensure it could manage required duties in genuine worldwide inevitabilities. UAT is one of the last and most essential programming item methodologies that must emerge sooner than recently propelled programming is turned out to the market. UAT is moreover called beta testing, application testing, or end-client testing.

Test Arrangement:

The test plan portrays the testing extension, approach, assets, and calendar of planned action. Among a large number of test things it distinguishes the highlights to be tried, and relegating which will do what task, how autonomous the analyzer is, the earth where the test will be done, what are the structure strategies that are to be utilized and section and leave models to be utilized, and the dangers including possibility arranging. All in all, it characterizes the test arranging process.

Test Information:

Testing information is the one that can be utilized for testing the characteristics? Test information is utilized to perform testing.

Test Report:

Test report is needed to gauge the outcomes in a conventional manner. Its miles a record that records data was given from an evaluation endeavor in a formed way. Portrays the regular or running conditions, and exhibits the assessment of a check comes around with investigating targets.

In software testing usually we check for white and black box testing, but for my E-commerce application testing

The detached of easy is to safeguard

- Software steadfastness
- Software Quality
- Software Assurance
- Optimum execution and limit usage

Setting up an E-commerce organization is a multifaceted sequence and theme to numerous market-specific variables. To preserve the honesty of the veracity of the E-commerce coordination, tough converts unavoidable.

Sorts of E-commerce testing are

1. Program Compatibility

- Lack of help for early programs
- Browser specific extensions

2. Page show

- Incorrect display of pages
- Runtime error messages
- Dead hyperlink, plugin dependency, font sizing, etc.
- Poor page download time

3. Meeting Management

- Session Expiration
- Session stockpiling

4. Ease of use

- Non-intuitive design
- Poor site navigation
- Catalog route
- Lack of help-support

5. Content Analysis

- Misleading, offensive and litigious content
- Royalty free image and copyright infringement
- Personalization functionality
- Accessibility24/7

6. Availability

- Denial of administration assaults
- Unacceptable degrees of inaccessibility

7. Back-up and Recovery

- Failure or fall over recovery
- Backup disappointment
- Fault tolerance

8. Exchanges

- Transaction integrity
- Throughput
- Auditing

9. Shopping request handling and buying

- Shopping truck practically
- Order processing
- Payment behavior
- Order following

10. Internationalization

- Language support
- Language display
- Cultural sensitivity
- Regional Accounting

11. Operational Business Procedures

- How well e-methodology copes
- Observe for bottlenecks

12. Framework Integration

- Data Interface design
- Interface recurrence and activation
- Updates
- Interface volume limit
- Integrated performance

13. Performance

- Load dealing
- Scalability analysis

14. Login and Security

- Login Capability
- Penetration and access control
- Insecure information transmission
- Web assaults
- Computer Viruses
- Digital Signatures

Test Case: 1. LOGIN / LOG OUT

Test Case ID	Test Case	Purpose	Input	Output	Result
1	Login	If registered already	Credential Successful	Successful	Pass
2	Login using user name & password	Check for internet connection before login	Credential Is network failure	Unsuccessful	Pass
3	Login with correct user name	Login failure due to wrong user name	Credential is wrong user name	Unsuccessful	Pass
4	Login with correct password	Login failure because of incorrect password	Credential is wrong password	Unsuccessful	Pass
5	Register	If you're a new user with correct information	Credential is successful	Successful	Pass
6	List, before check network connection	Registration failure due to loss of internet connection	Credential is internet failure	Unsuccessful	Pass
7	Registering with precise data	User name / mail id incorrect	Credential is user name / mail id is improper	Unsuccessful	Pass
8	Password issue	Password is unsuitable for documents	Credential is password unfitting	Unsuccessful	Pass
9	Registered data for login	Login is successful after recorded page	Credential is Successful	Successful	Pass
10	Log out	Exit of page	Credential is Successful	Successful	Pass

Test Case: 2. Profile

1	Update	User can update his profile	Credential is update successful	Successful	Pass
2	Edit	Before updating your data you can even edit in this profile page	Credential is editing successful	Successful	Pass
3	Delete	In this user page after editing or updating if any incorrect you can re delete	Credential is deletion successful	Successful	Pass

Test Case: 3. Payment

1	Payment by money order	You can purchase by paying through this method like ex CHEQUE	Credential is passing by CHEQUE successful	Successful	Pass
2	Pay Pal express checkout	Which can be paid by online transfer	Credential successful for online transfer	Successful	Pass
3	Pay Pal transmission	Check internet connection, before submission of amount	Credential is network issue	Unsuccessful	Pass
4	Gateway Matter	Problem in loss of network will return in 3 working days	Credential for security is successful with alert message	Successful	Pass

Test Case: 4. Customers

1	List of customer	Customer option with his / her ID after registration	Credential is registration for customer successful	Successful	Pass
2	Create	You can create new customer with Id	Credential is Successful for new customer	Successful	Pass
3	Network problem	Before creation of new customer with first & last name check for internet case	Credential for network case failure unsuccessful	Unsuccessful	Pass

Test Case: 5. Configuration

1	Account Configuration	Which is been linked with Facebook, Insta, Twitter for upgradation	Credential For account is successful	Successful	Pass
2	Url	With this it is used to keep track of order	Credential for Url is Successful	Successful	Pass
3	Email Setting	In email setting it is been recorded for tracking of how many email for a user, etc.	Credential for following of email is successful	Successful	Pass

CHAPTER 8

CONCLUSION

I will conclude that with the assistance of the billet elaborated acknowledged operating supported the conceptualized Framework is being acknowledged and that I was able to relate the necessities of various forms of organizations to sustain the business. The vital management that's needed to manage all the operations associated with multiple ventures are given from one system wherever we've got to optimize the operating with associate integrated system thus our system can provide all the associated operating in an exceedingly custom approach.

The system gives multiple reportage systems which will be mechanically programmed to possess this standing in order that it will provide the data to administrator for having body management. The system provides multiple resources which will facilitate the users to manage the work.

The system can support all totally different perceptions of integration which will facilitate to manage the import and export practicality because it may be a demand with reference to the management. The system provides a serving to platform that may be custom and optimized in step with the necessities as we have got incorporated all choices needed for managing multiple ventures and a less complicated thanks to have an immediate integration with multiple objective resource that or needed to manage the activities from a central system.

The system can give all several structures activities that are supposed for a correct management analysis system. A good shop cart plan necessity be escorted with accessible errands cart tender judgement. It would be suitable for client to assessment the fillings of their dray and intelligent to take away or augment objects in handcart.

CHAPTER 9

FUTURE ENHANCEMENT

Retailers of assorted type's region unit expanding item contributions, including store, free transportation and trying different things with online life. It's acquiring increasingly sturdy to illuminate unadulterated play web retails from blocks & mortar outlets with on-line gateways.

Be it through cell phone, pill PC, in-store slow down, lines region unit obscuring in this manner the outcome are each reasonable and perilous for clients. A ton of action and development is that aberrant aftereffects of new enactment requiring web retailers to assemble disturbance charge.

In such case that old retailer's zone unit to fight with locales like Amazon-that prospered inside the nonappearance of guideline they have to actualize some of comparable bit of leeway like free delivery, liberal come strategies, changed item decision, and customer survey.

1. In-store get inside recent months, we've seen like get for orders set on the web, are going above and beyond bringing on web buy out.
2. Get stations smaller retailers without a huge system stores may open assigned pickup area for merchandise requested on web.
3. Portable apps: smart telephones are the predominant phones and application for all stages developing.
4. Person to Person communication: face book and twitter aren't close by anyone's standards to play out yet.
5. Every day arrangements and blaze deals: based on how rapidly numerous things sell out, frequently close to email notice going out, more will hop on mainstream pattern.
6. Video, look for more client created recordings on retail locales. Retailers are letting client transfer video cuts demonstrating new items to buy.

APPENDIX A

BIBILOGRAPHY

Reference Books:

The Complete reference of H2 Database

The Complete reference of HTML

Beginning JavaScript 2nd Edition, By Wilson

Reference Website:

[www . w3School. com](http://www.w3School.com)

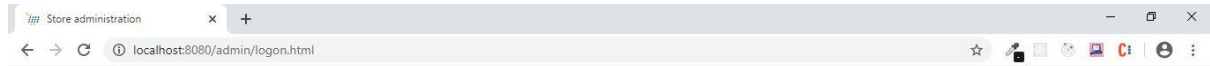
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APPENDIX B

USER MANUAL



Logon

NUMEN TECHNOLOGY
E-commerce solutions for shops

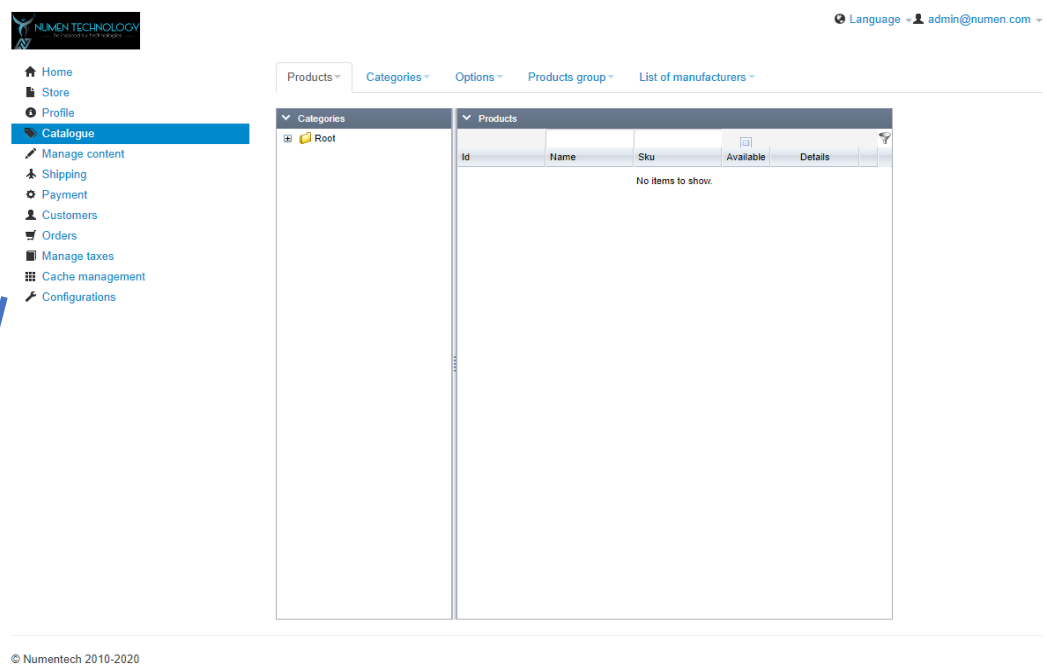
Username

Password

Remember my user name
Forgot Password?

Logon

Login Page for Customer / User



NUMEN TECHNOLOGY
E-commerce solutions for shops

Language - admin@numen.com

Products - Categories - Options - Products group - List of manufacturers -

Categories

Id	Name	Sku	Available	Details
No items to show.				

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Providing options for different working references

Have a question? Phone number: 888-888-8888

English

My Account

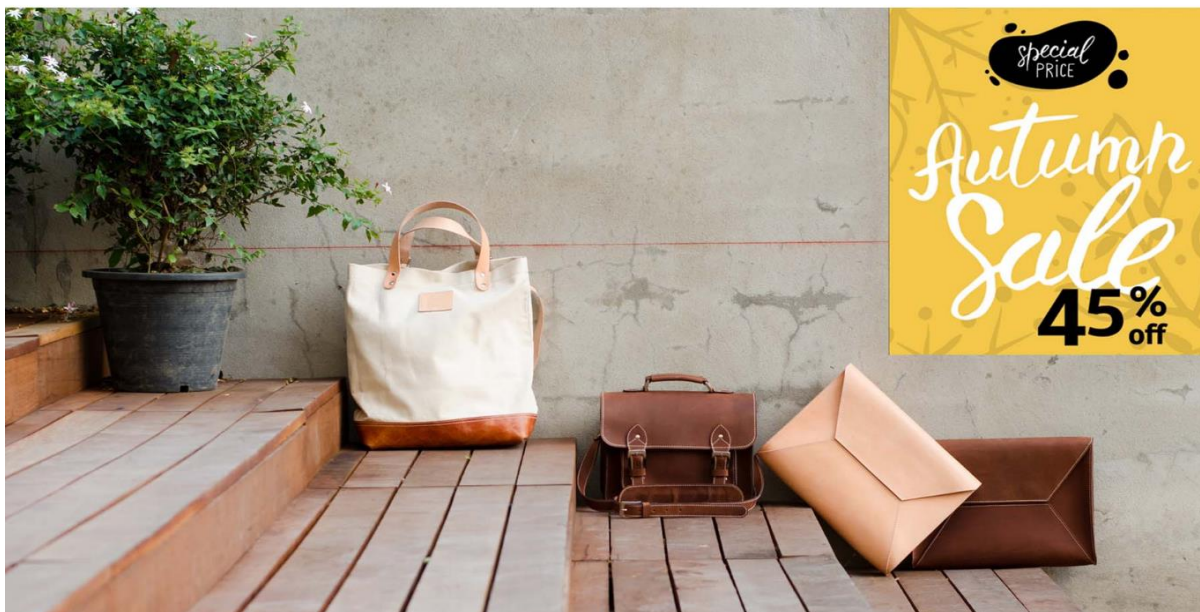
Shopping cart (0)



Search

Search

Home Shop Page



Featured items



Chic Vintage DeVille

INR88.00 INR60.00

Add to cart



Vintage Laptop Bag

INR78.00

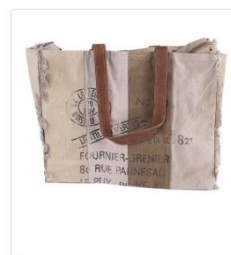
Add to cart



Vintage Beach Bag

INR60.00

Add to cart



Retro Style Bag

INR48.00

Add to cart

Default store
1234 Street address My city
Karnataka, India
560078
Phone number: 888-888-8888



- Home
- Handbags
- Beach Bags
- Laptop Bags
- Bags
- Contact Us
- French
- Register
- Sign In

© Default store 2019-2020 - Powered by WalletMart-Numentechnology



Data search from above category

Have a question? Phone number: 888-888-8888

English

My Account

Shopping cart (1)




Search

Search

Home Shop Page

Review your order

ITEM	QUANTITY	PRICE	TOTAL	
 Chic vintage DeVille	1	INR60.00	INR60.00	X

RECALCULATE

CONTINUE SHOPPING

TOTALS

SUBTOTAL INR60.00

TOTAL INR60.00

PROCEED TO CHECKOUT

Default store

1234 Street address My city
Karnataka, India
560078
Phone number: 888-888-8888



Home

Handbags

Beach Bags

Laptop Bags

Bags

Contact Us

French

Register

Sign In

© Default store 2019-2020 - Powered by WalletMart-Numetechnology



Review of you order



Language admin@numen.com

- Home
- Store
- Profile
- Catalogue
- Manage content
- Shipping
- Payment**
- Customers
- Orders
- Manage taxes
- Cache management
- Configurations

Payment methods

Money order



PayPal express checkout



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Payment mode after you product order details



Search

Search

[Home](#)
[Shop ▾](#)
[Page ▾](#)

Checkout

Login or signup to simplify the online purchase process!

BILLING INFORMATION

First name*	Last name*
<input type="text"/>	<input type="text"/>
Billing company	
<input type="text"/>	
Street address*	
<input type="text"/>	
City*	
<input type="text"/>	
Country*	
<input type="text" value="India"/>	
State / province*	Postal code*
<input type="text" value="QC"/>	<input type="text"/>
Email address*	Phone number*
<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Create an account?	

SHIP TO A DIFFERENT ADDRESS?

Order notes

ORDER SUMMARY

ITEM	TOTAL
Chic vintage DeVille x 1	INR60.00
SUBTOTAL	INR60.00
SHIPPING	INR0.00
<p>A shipping quote will be available after filling the postal code</p>	
SHIPPING FEES	<input checked="" type="radio"/> Store pick up: INR0.00 <small>This option let you reserve you order items through the online system and pick up your order by yourself at the store. This option is also offered when no other shipping option is available for your region.</small>
TOTAL	INR60.00

Money order

Use money order

Please make your check or money order payable to:
Vintage Bags
1234 Test address

First name is required

SUBMIT ORDER

Default store
1234 Street address My city
Karnataka, India
560078
Phone number: 888-888-8888

[Home](#)
[Handbags](#)
[Beach Bags](#)
[Laptop Bags](#)
[Bags](#)
[Contact Us](#)
[French](#)
[Register](#)
[Sign In](#)

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Bill or order details of your product.