

A

Project Report

ON

## “Inventory Management”

Submitted

To

**UDHNA CITIZEN COMMERCE COLLEGE &  
S.P.B. COLLEGE OF BUSINESS ADMINISTRATION &  
SMT. DIWALIBEN HARJIBHAI GONDALIA COLLEGE OF BCA AND IT**

Affiliated

To

**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT  
As A Partial Fulfilment for the Degree Of  
BACHELOR OF COMPUTER APPLICATION (B.C.A.)  
ACADEMIC YEAR: 2019-20**

**DEVELOPED BY:**

Nityanand Jha [Seat No. – Y 209]

Alpesh Mishra [Seat No. – Y 047]

Saurabh Updhaya [Seat No. – Y 146]

**GUIDED BY:**

Chirag C. Patel

**:: PROJECT DEVELOPED AT::**

**UCCC & SPBCBA & SDHGCBCA & IT COLLEGE  
[SURAT]**



**Udhna Citizen Commerce College  
&  
S.P.B. College of Business Administration  
&**

**Smt. Diwaliben Harjibhai Gondalia College of BCA & I.T.**

**(Self Financed College Affiliated To Veer Narmad South Gujarat University, Surat)**

**(Managed by Udhna Academy Education Trust)**

**(Bachelor of Computer Application)**

**CERTIFICATE**

*This is to Certify that Mr. / Ms. .... **Jha Nityanand Shailendra** .....*

*of BCA-6<sup>th</sup> Semester Seat No. **2019038906** has successfully carried out a Project /  
Seminar Work entitled as..... **Inventory Management***

*in accordance with technical and theoretical specification for the academic  
year 20.21.20.22 towards a Partial fulfillment of BCA Programme.*

*Guide Name : **Chirag Patel** Examiner Name : \_\_\_\_\_*

*Signature : **C. C. Patel** Signature : \_\_\_\_\_*

*Date : **15-04-2022***

*J. S. Patel  
Principal*



**Udhna Citizen Commerce College  
&  
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&**

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**(Self Financed College Affiliated To Veer Narmad South Gujarat University, Surat)**

**(Managed by Udhna Academy Education Trust)**

**(Bachelor of Computer Application)**

**CERTIFICATE**

*This is to Certify that Mr. /Ms. ....* **Alpesh Sunil Mishra**

*of BCA-6<sup>th</sup> Semester Seat No. 2019038949 has successfully carried out a Project /  
Seminar Work entitled as.....* **Inventory Management**

*in accordance with technical and theoretical specification for the academic  
year 20.21.20.22 towards a Partial fulfillment of BCA Programme.*

**Guide Name :** Chirag Patel **Examiner Name :** \_\_\_\_\_

**Signature :** C. C. Patel **Signature :** \_\_\_\_\_

**Date :** 15-04-2022

J. C. Saini  
**Principal**



**Udhna Citizen Commerce College  
&  
S.P.B. College of Business Administration  
&**

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**(Self Financed College Affiliated To Veer Narmad South Gujarat University, Surat)**

**(Managed by Udhna Academy Education Trust)**

**(Bachelor of Computer Application)**

**CERTIFICATE**

*This is to Certify that Mr. /Ms. Upadhyay Sauravkumar Baijnath*

*of BCA-6<sup>th</sup> Semester Seat No. 2019039047 has successfully carried out a Project /  
Seminar Work entitled as.....*

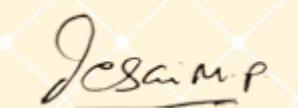
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**Guide Name : Chirag Patel      Examiner Name : \_\_\_\_\_**

**Signature : C. C. Patel      Signature : \_\_\_\_\_**

**Date : 15-04-2022**

  
**Principal**

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**Nityanand Jha [Seat No. – Y 209]**

**Alpesh Mishra [Seat No. – Y 047]**

**Saurabh Updhaya [Seat No. – Y 146]**

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## **Chapter – 1. College Profile**

### **1.1 Brief Overview / Highlights**

#### **1.2 Institute Structure / Chart**

### **1.1 Brief Overview / Highlights**

#### **UDHNA ACADEMY EDUCATION TRUST**

Udhna Academy Education Trust was established in 1964 with the objective of catering to the educational needs of the citizens of udhna area (i.e. south zone of surat city) and south Gujarat. The Trust has completed 51 years of brilliance since inception in 1964.

It has spread the light of education in the region providing education ranging from pre-primary to Higher Secondary and Graduation.

Its pioneers started this institution with a very noble aim and far reaching vision. As a result, today, Udhna Academy Education Trust governs the following institution, where about 6000 students seek high quality education.

**S.D.H.G COLLEGE OF BCA & IT (B.C.A)- JUNE 2008**

**S.P.B COLLEGE OF BUSINESS ADMINISTRATION (B.B.A)- JUNE 2005**

**UDHNA CITIZEN COMMERCE COLLEGE (B.COM)- JUNE 2002**

#### **COLLEGE VISION & MISSION:**

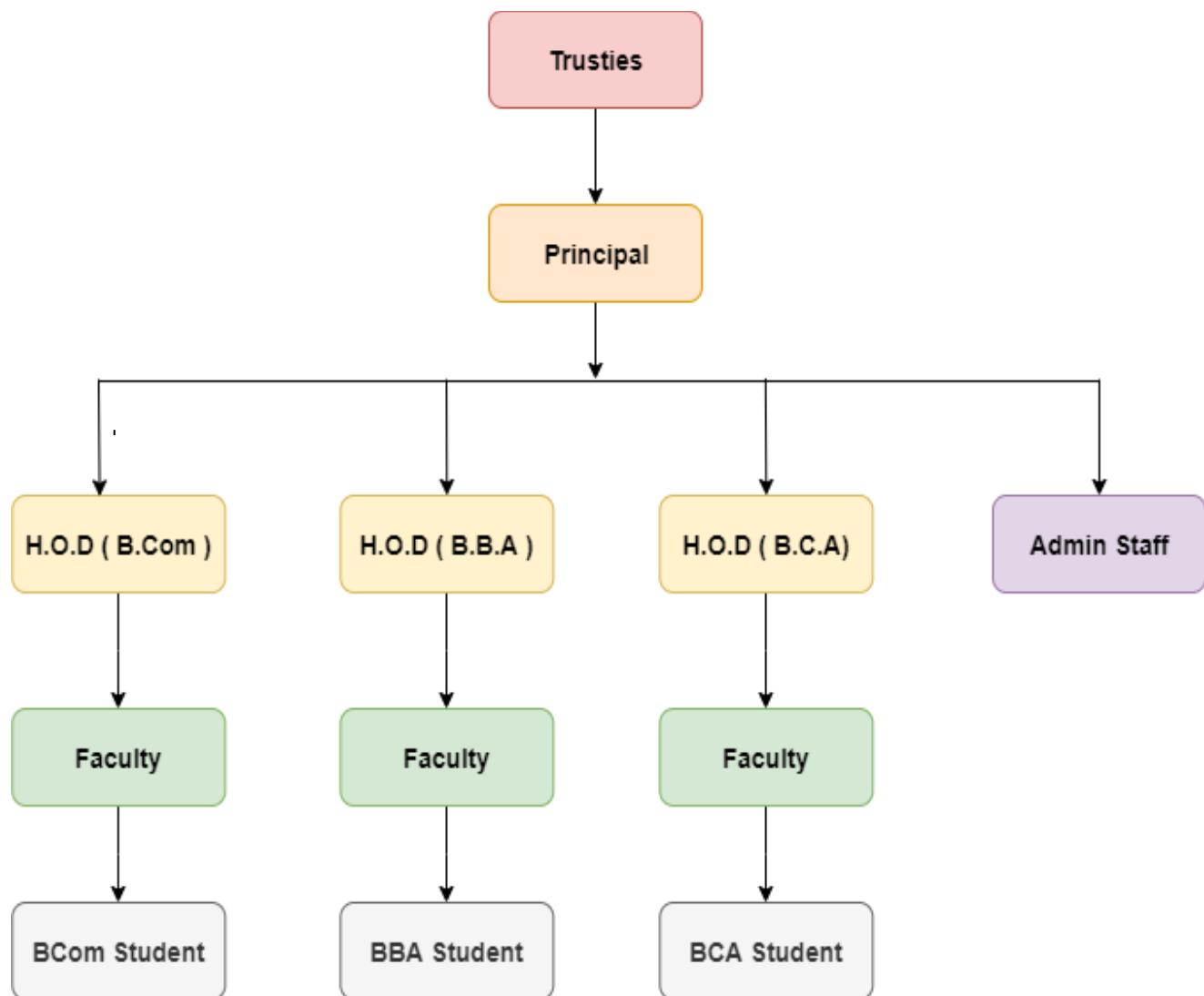
##### **➤ VISSION:**

“To be an eminent and vibrant institute for education, our credo will always be excellence through innovations, sympathy, ethics and teamwork and to cater to the ever-changing needs of community at large”.

##### **➤ MISSION:**

“To impart quality education, nature aspirations and facilities continuous learning and to contribute to the society by developing outstanding individuals who would take up leadership challenges in various sector of economy”.

## 1.2 Institute / Structure Chart:



## Chapter – 2. Current / Existing System Study

- 2.1 Major Components / Flow
- 2.2 Minimum Hardware / Software Configuration
- 2.3 Drawbacks / Limitations

### 2.1 Major Components / Flow

Online shopping is a form of electronic commerce which allows consumers to directly buy goods or services from a seller over the Internet using a web browser. Consumers find a product of interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine, which displays the same product's availability and pricing at different e-retailers.

As customers can shop online using a range of different computers and devices, including desktop computers, laptops, tablet computers, smartphones, and smart speakers.

An online store allows the customer to browse the firm's range of products and services, view photos or images of the products, along with information about the product specifications, features and prices. Online stores usually enable shoppers to use "search" features to find specific models, brands or items.

Online customers must have access to the Internet and a valid method of payment in order to complete a transaction, such as a credit card, an Interact-enabled debit card, or a service such as PayPal

- Good Experience for Mobile Shoppers
- Easy Checkout Process
- Guest Sign Ups
- Good Quality Product Photography
- Have a Clear Returns Policy
- Detailed Product Descriptions
- Clear Design & Intuitive Navigation

## 2.2 Minimum Hardware / Software Configuration

### ➤ Hardware Requirement

Given below is recommended hardware specification that required at client side to run software.

<b>Processor</b>	I3 Processor
<b>Ram</b>	6 GB RAM
<b>SDD</b>	512 GB Hard Disk

### ➤ Software Requirement

Given below is recommended specification of require software to develop the system.

<b>Operating System</b>	Microsoft Windows 10
<b>Front End</b>	Sublime Text 3.2.2
<b>Server</b>	Apache, Wamp Server Version – 2.4.46
<b>Back End</b>	MySQL/phpmyadmin
<b>Tools Used</b>	HTML, CSS, JavaScript, Ajax , Bootstrap, PHP, JQuery, Larval Framework
<b>Compatible Browser</b>	Mozilla Firefox, Google Chrome, etc.

### 2.3 Drawbacks / Limitations

Ease of use is the prime reason that drives the success of e-commerce. Though internet provides a quick and easy way to purchase a product, some people prefer to use this technology only in a limited way. They regard internet as a means for gathering more information about a product before buying it in a shop. Some people also fear that they might get addicted to online shopping.

*The major disadvantages of online shopping are as follows.*

#### 1. Frauds in online shopping:

Fraud in online shopping is the biggest disadvantage of online shopping. Many people are attracted by great offers which seem too good to be true. Fake online shopping portals display some great products on the website and attract customers to buy the product. Usually, websites which sell fake products instead of the genuine article, do not accept cash on delivery and request customers to make an online payment. But, in the end, customers will either receive the fake product or they will not receive the product at all. There are many cases of cybercrime where customers debit or credit cards details are misused to make fraudulent transactions.

#### 2. Delay in the delivery:

In case of offline shopping, you can receive the product then and there. But, this does not happen in online shopping. Even though it hardly takes 10-15 minutes to buy the product online, by the time it reaches your hands, it would be more than 4-5 days. During the big sales, e-commerce portals may take too long to deliver the product.

#### 3. You can't touch the product:

The sad part of online shopping is, you cannot touch the product and feel how it is. You can just see the image and read the description. Online shopping is not suitable for people who wish to buy the product only after trying it or by touching it.

#### 4. You cannot bargain:

Indians are good at bargaining. You can bargain only in case of offline shopping, not in the case of online shopping. In online shopping, you get cashbacks, discounts, and coupons, but this is not the same as bargaining. Trust me if one is good at bargaining, he can save a lot of money during offline shopping.

#### 5. Hidden costs and shipping charges:

When you first see the product on a portal, it generally looks cheaper. But when you proceed for the payment, the extra charges like shipping charges, tax and packing charges are added.

These charges will make the product expensive vis-a-vis the local store. Some portals offer free shipping if you shop more than a certain amount. Sometimes just to avail free shipping, you end up shopping more than your requirement.

### **6. Lack of interaction:**

In case of offline shopping, sales assistants shower personal attention on customers and give complete details on the product. If you have any queries, you can ask right there. But, this does not happen in the case of online shopping. All you can do is see the picture and read the description. Some portals allow shoppers check the customer reviews.

### **7. Returning the product:**

There is an option to return the product, if you do not like it. But again, it is a big headache. The return policy differs from one company to other. In case of some online shopping portals, customers have to bear the cost of returning the product. If you return the product, you will not be paid shipping charges which you had paid earlier. If you are shopping for cosmetics like a lipstick, they can't be returned.

### **8. Low Level of Security:**

In our current system all the work that is done is carried out on the register and so there are security criteria to guard our data and any person can open data and any person can open register and make changes and may affect our reports. In this, it is quite open to everybody.

### **9. Time Consuming:**

In our current system, all the process are carried out by human so naturally it require more time and in that sense, it will require more time to complete transaction.

## Chapter – 3. Propose Project Profile

- 3.1 Introduction
- 3.2 Objective / Goal / Aim
- 3.3 Scope
- 3.4 Type of Project
- 3.5 Technology / Environment E.g. tools
- 3.6 Applicability of the system

### 3.1 Introduction

Anything that customer's purchases affects environment by means of delivery, whether they have the product shipped at home or drive to a brick and mortar store (supermarket). In earlier days people used to go to different shops before purchasing as they didn't have a great deal of easy access to information on products.

Due to the development of World Wide Web it has now become easy to access the products available worldwide without wasting time, money and other resources apart from helping environment. Centre for Energy and Climate Solutions suggests that we can protect land and save energy by shopping online.

The example of Octavo Group plc that delivers the grocery directly to the customer instead of shopping from the supermarket helped in controlling the carbon emissions.

Many supermarkets such as Marks and Spencer's, John Lewis, Amazon, Carbon Cart etc. have their own websites are selling greener products and offering more choices to customers.

Octavo's mission is to revolutionise the way people shop by giving them innovative and greener alternatives to traditional shopping. Using the cutting edge technology in their delivery model helps them to cut price, deliver quality and save environment.

“Meat free Mondays” creates environmental awareness of climate changing impact of production of meat and consumption. By using bio- diesel in delivery vans the emission is reduced.

They deliver their products from the state-of-the-art warehouses directly to consumer home.

They are using anaerobic digestion to produce electricity from the leftover food. The company has their own green team called eco-warriors to increase environment awareness amongst the staff. They have slots allotted for green van area-wise to reduce carbon emission.

They use combined heat and power (CHP) which is energy efficient process to mitigate environmental impact. A lot of recycling works using closed loop grocery bag recycling by keeping a track of the consumption of plastic bags and batteries.

## 3.2 Objective / Goal / Aim

### 1. Service or product advertising

The main purpose of a business site is to promote company's products, services or events on the Internet. There are two main aspects to discuss. First, there are websites that don't directly sell anything but their objective is to create "buzz" or awareness. An example would be, let's say an event - a trance music performance taking place next month. The purpose of the site is to generate interest so the people will attend the show. This kind of website might contain recorded presentations from previous shows, images with the performers, more details on the performance, etc...

Secondly, there are websites that both promote and sell products or services and this aspect is discussed below.

### 2. Selling a product or a service online

This is basically the main reason behind the existence of any business website. Selling products and services is the most common objective. You have to provide full and comprehensive information on what you sell, allowing prospective customers to easily order from your site. The information must refer to:

- Features of the product or service
- Payment methods
- Return policies
- Warranties
- Shipping options
- Product or service F.A.Q.

If you sell directly from your website, you must consider additional security issues (example: SSL encrypted connections - https), and to address them in an adequate manner for a safe and pleasant user experience.

### 3. Providing product support and customer service

Due to its world-wide nature, the Internet is a flexible structure allowing users to choose from thousands of similar products they are just one click away. What actually makes the difference between similar online businesses are the price and the customer support they provide. Top companies usually have outstanding customer services and assistance 24 hours a day, 7 days a week, and 365 days a year.

Not only the customer service is important to provide support to actual customers but it can generate sales while communicating with prospective clients, answering their questions and offering all the necessary information they need. By offering your clients the possibility to solve their problems in an easy way, you increase loyalty of actual customers and build a solid base of prospective customers - so placing a new order is just a matter of time.

## 4. Providing corporate information

Almost all big company websites have a section featuring pertinent corporate information for potential investors. The information in this section usually refers to: corporate background, company officials, different articles and editorials written about the company along with related images as well as contact information and links to personal profiles of company's representatives charged with management, customer care, advertising, etc...

## 5. Establishing brand awareness and identity

Establishing brand awareness or company identity is an ongoing process with the purpose of branding products with memorable names, eye-catching logos and maybe a slogan. In order to establish brand identity, your website must address these elements in a unitary manner. The product logo must reflect the design of your website in terms of graphics, colours, font types and sizes (example: Coca Cola website). The slogan must be unique, original and appealing so the customers easily remember it. All these elements contribute to establishing a strong brand identity.

### 3.3 Scope

#### ➤ Admin Side:-

- Maintain Product details
- Unlimited Product Upload
- Maintain Customer details
- Maintain Dealer details
- Flexibility to Manage Sales
- Maintain Order
- Easy Customer Management

#### ➤ Client Side:-

- User can login
- User can book Product
- User can register
- User Can Check Order Details
- User Can Manage Profile
- User Can Buy Product
- User Can Check Out
- User can check about us page
- User can check contact us page
- Logout

### 3.4 Type of Project

The project type of this system is renting the Online Shopping system is fully web based website.

This system is full web based Online Shopping system.

- Developed by the help of Visual Studio Code
- Visual Studio Code Web Developer is a full-featured development environment for creating php web sites.
- ***Visual Studio Code Web Developer offers you the following features:***
  - Page design features Consistent site layout with master pages and consistent page appearance with themes and skins.
  - Code editing a code editor that enables you to write for the dynamic web pages in Visual Studio Code Basic.
  - Testing and Debugging. A local Web server for testing and a debugger that helps you find errors in your programs.
  - Development Tools to automate typical tasks for deploying a Web application to a hosting server or a hosting provider

### 3.5 Technology/ Environments E.g. tools

In each and every system there is a need of two different ends to handle the system. Each System requires the main Platform perform all tasks that will appear in system and these tasks will be performed by only Front End.

The main need of taking front end is that all programming that will be perform according to the environment and facility by the opted front end and taking back end is that all database are kept in that base.

- **Hardware specification:**

**Development Time:** Minimum 4 GB Ram, Dual Core or Higher Processor.

**Run Time:** Minimum 1 GB Ram, Dual Core or Higher Processor.

- **Software Specification:**

**Front End** : Visual Studio Code

**Server** : Apache, Wamp Server Version 2.74.46

**Back End** : MySQL (phpmysqladmin)

➤ **Other Tools:** Java Script, Ajax, cascading style sheet, HTML, JQuery.

## ❖ **Java script:-**

- JavaScript is an object-based scripting language.
- Giving the user more control over the browser.
- It Handling dates and time.
- It detecting the user's browser and OS,
- It is light weighted.
- JavaScript is a scripting language and it is not java.
- JavaScript is interpreter based scripting language.
- JavaScript is case sensitive.
- JavaScript is object based language as it provides predefined objects.
- Every statement in JavaScript must be terminated with semicolon (;
- Most of the JavaScript control statements syntax is same as syntax of control Statements in C language.
- An important part of JavaScript is the ability to create new functions within scripts. Declare a function in JavaScript using function keyword.

## ❖ **AJAX :-**

- AJAX is not a new programming language , but a technique for creating better, faster, and more interactive web applications
- AJAX , which consists of HTML , JavaScript technology , DHTML , and DOM , is an outstanding approach that helps you transform clunky web interfaces into interactive AJAX applications
- The AJAX technique makes Internet applications smaller , faster and more user-friendly
- AJAX is a browser technology independent of web Server Software.

## ❖ **Cascade Style Sheets:-**

The latest version of Cascade Style Sheets, CSS 3, was developed to make Web design easier but it became a hot topic for a while because not all browsers supported it. However, trends change quickly in technology and all browser makers currently are implementing complete CSS 3 support.

Making that process easier for the browser manufacturers is CSS 3's modularized specification, which allows them to provide support for modules incrementally without having to perform major refactoring

of the browsers' codebases. The modularization concept not only makes the process of approving individual CSS 3 modules easier and faster, but it also makes documenting the spec easier.

### ❖ **HTML**

- HTML stands for Hyper Text Mark-up Language
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to render the content of the page.

### ❖ **JQuery:-**

JQuery is a JavaScript library that allows web developers to add extra functionality to their websites. It is open source and provided for free under the MIT license. In recent years, jQuery has become the most popular JavaScript library used in web development.

To implement jQuery, a web developer simply needs to reference the jQuery JavaScript file within the HTML of a webpage. Some websites host their own local copy of jQuery, while others simply reference the library hosted by Google or the jQuery server.

- Effects and animations.
- Ajax.
- Extensibility.
- DOM element selections functions.
- Events.
- CSS manipulation.
- Utilities - such as browser version and the each
- Function.
- JavaScript Plugins.
- DOM traversal and modification

### **3.6 Applicability of the system**

Viewing available car at the website can be done for which client have to go to the website and check the available cars.

## Chapter – 4. Software Analysis

- 4.1 Preliminary Investigation
- 4.2 Problem Identification
- 4.3 Feasibility Study / Risk Analysis
- 4.4 Requirement Analysis

### 4.1 Preliminary Investigation

In our case as we were developing commerce web site it converted answered to questions like

- 1) What is the basic functionality of Commerce site website?
- 2) How you can establish communication?
- 3) How automated do you want the application to be?
- 4) What kind of functionality to be developed to make system easy to use on both owner and Admin side?
- 5) How can we build attractive site so that more and more users can use this website?

### 4.2 Problem Identification

➤ **Definition of the Problem:**

To create or develop new system first we have to study the prior system, analysis difficult problem faced by the operator of that system. System analysis therefore understands such problems and proposes a new system in which the above problems are rectified.

➤ **Existing system:**

Before creating this website, all clients have to register through postal mails or they use person to person contacts with each other.

Here there may error occurs in the process. The administration faces the problems to collect all the information from clients. And consults to analyse the requirement in the corresponding client. Administration has to send cars information different consultants and clients.

## 4.3 Feasibility study / Risk Analysis

The main purpose of feasibility analysis is to check the economic viability of the purpose system. The result of the feasibility study will indicate whether to proceed with the proposed system or not. If the results of the feasibility study are positive then we can proceed to develop a system otherwise the project should not be pursued.

### 4.3.1 Technical Feasibility

The technical issue usually raised during the feasibility stage of the investigation includes the following:-

- Does the necessary technology exist to do what is suggested?
- Do the proposed equipment's have the technical capacity to hold the data required to use the new system?
- Will the proposed system provide adequate response to inquiries, regardless of the number of locations of users?
- Can the system be upgraded if developed?
- Are there technical guarantees of accuracy, reliability, ease of access and data security?

### 4.3.2 Economical feasibility

Proposed system requires development tools and software such as Sublime Text 3.2.2

Ultimate, for developing purpose system, we need various resources such as computer systems, internet connection for e-help, recommended disk space and memory speed as mentioned in technical requirement.

***We have many benefits from proposed system such are***

- As existing system is manual, where data may not accurate, up-to-date available on time. But proposed will be computerized, so we can overcome all limitations of existing system.
- This system will reduce the paperwork and quality of data will be improved.\*

### 4.3.3 Operational Feasibility

Users of the system will be registered as a user of the website by the TPO department of the college. to put an orders user should have basic knowledge of the computer . And internet which is not be big issue. Basic training is required for other users to handle and manage the information.

### 4.3.4 Management Feasibility

Management feasibility is not comes in basic feasibility of system, but it's arise and aspects of management use. Here all level of management revise all related basic feasibilities and know the requiredness of that all, after that all manager gives their decision for those feasibility to use or not.

### 4.3.5 Time Feasibility

Time feasibility describes the time cost for converting the present system to new system.

As an aspect of time feasibility our system takes 3 months for completion. This system is developed under the time period of just 3 month. So we can say that this system is time feasible.

## 4.4 Requirement Analysis

Requirement analysis can be said to identify investigation, documenting and analysing requirements of the system. The first investigation step of the need of a system is a major activity of problem analysis.

This is the role of a system analyst to determine the actual requirement of a system. Sometimes, system analyst may make mistake in discovering the requirements and in trying to analyse a problem.

As a result, they may come up with the wrong solution in designing and implementation of a solution.

And the solution will not be able to solve the real problem and even cause a new problem in later system analysis process. Therefore, this paper looks at one of the effective methods (fact-finding) for system analyst to help them in gathering information.

### 4.4.1 Fact Finding Techniques

#### Definition of Fact-finding Techniques

Fact finding is process of collection of data and information based on techniques which contain sampling of existing documents, research, observation, prototyping and joint requirements planning.

System analyst uses suitable fact-finding techniques to develop and implement the current existing system. Collecting required facts are very important to apply tools in System Development Life Cycle because tools cannot be used efficiently and effectively without proper extracting from facts.

Fact-finding techniques are used in the early stage of System Development Life Cycle including system analysis phase, design and post implementation review.

Facts included in any information system can be tested based on three steps: data- facts used to create useful information, process-functions to perform the objectives and interface- designs to interact with users.

### Fact-finding techniques Features

- ✓ There are seven common fact-finding techniques
- ✓ Sampling of existing documentation, forms and databases
- ✓ Research and Site visits
- ✓ Observation of the work environment
- ✓ Prototyping
- ✓ Joint requirements planning
- Information gathering in any organization is not an easy task.
- it has to be gathered in an organized way so that
  - (a) No system details are left out.
  - (b) Right problems are identified.
  - (c) Repetitive work is avoided.
  - (d) Wrong or incomplete details are not collected.
- To do this, a proper search strategy must be decided first, search strategy includes selecting information sources and search methods.
- Here an overall idea about the search methods or fact gathering techniques which are used while gathering the information, they are:

#### 4.4.2 Time Line Chart

**Table 4.1: Time Line Chart**

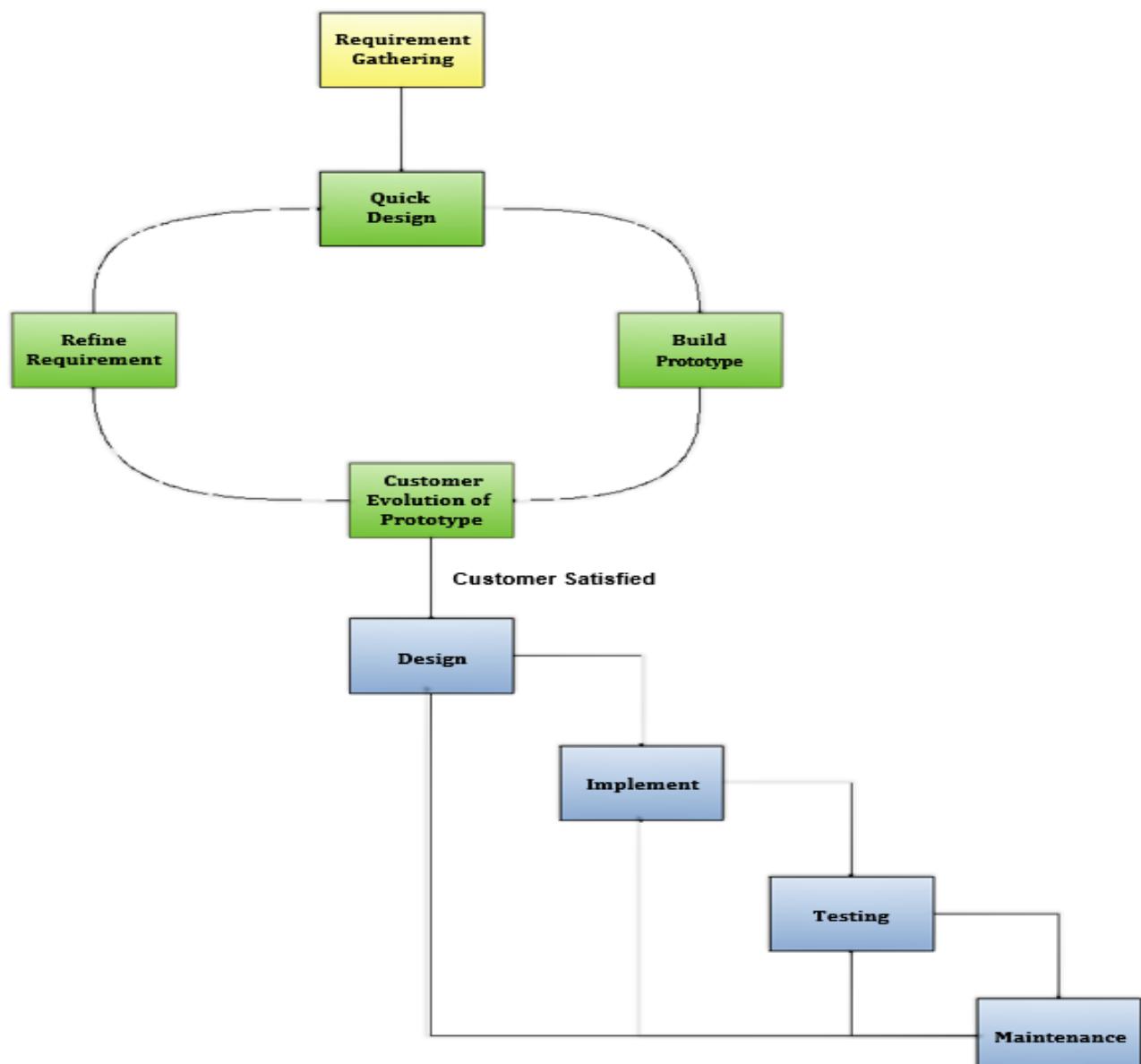
Sr. No.	Work	DEC		JANUARY				FEBRUARY				MARCH				APR			
	Week ======>	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	
1.	<b>Requirement Gathering &amp; Analysis</b>																		
	1.1 Learn php																		
	1.2 Requirement Gathering																		
	1.3 Requirement Analysis																		
	1.4 Search for Template																		
<b>Milestone: Requirements Gathered.</b>																			
2.	<b>Modelling</b>																		
	2.1 Identifying proposed project profile.																		
	2.2 Identifying Objectives.																		
	2.3 Scope definition.																		
	2.4 Review.																		
<b>Milestone: Modelling Completed.</b>																			
3.	<b>System Design</b>																		
	3.1 Design system flow.																		
	3.2 Database Design																		
	3.3 Admin Side Design.																		
	3.4 Client Side Design																		
	3.5 Driver Side Design																		
<b>Milestone: System Design completed</b>																			
4.	<b>Coding</b>																		
	4.1 Admin Side Coding																		
	4.2 Client Side Coding																		
	4.3 Driver side coding																		
<b>Milestone: Coding completed</b>																			
5.	<b>Testing</b>																		
	5.1 Unit testing																		
	5.2 Integration Testing																		
	5.3 Correction																		
<b>Milestone: Testing Complete</b>																			
6.	<b>Documentation</b>																		

#### 4.4.3 Model with Justification

It was agreed that the Web interface should be implemented in accordance with software engineering best practise. Software engineering requires the application of a disciplined approach to the software development process.

These constraints impose stability and order in an environment that can otherwise become chaotic (Pressman, 2000). Wherever possible, these activities are constrained further by the use of tools such as source code version control software.

#### Prototype Model



The Prototyping Model is one of the most popularly used Software Development Life Cycle Models (SDLC models). This model is used when the customers do not know the exact project requirements beforehand.

In this model, a prototype of the end product is first developed, tested and refined as per customer feedback repeatedly till a final acceptable prototype is achieved which forms the basis for Developing the final product.

## **Step 1: Requirements gathering and analysis**

A prototyping model starts with requirement analysis. In this phase, the requirements of the system are defined in detail. During the process, the users of the system are interviewed to know what their expectation from the system is.

## **Step 2: Quick design**

The second phase is a preliminary design or a quick design. In this stage, a simple design of the system is created. However, it is not a complete design. It gives a brief idea of the system to the user. The quick design helps in developing the prototype.

## **Step 3: Build a Prototype**

In this phase, an actual prototype is designed based on the information gathered from quick design. It is a small working model of the required system.

## **Step 4: Initial user evaluation**

In this stage, the proposed system is presented to the client for an initial evaluation. It helps to find out the strength and weakness of the working model. Comment and suggestion are collected from the customer and provided to the developer.

## **Step 5: Refining prototype**

If the user is not happy with the current prototype, you need to refine the prototype according to the user's feedback and suggestions.

This phase will not over until all the requirements specified by the user are met. Once the user is satisfied with the developed prototype, a final system is developed based on the approved final prototype.

## **Step 6: Implement Product and Maintain**

Once the final system is developed based on the final prototype, it is thoroughly tested and deployed to production. The system undergoes routine maintenance for minimizing downtime and prevent large-scale failures.

### ➤ **Advantages of Prototype model**

- This model is flexible in design.
- It is easy to detect errors.
- We can find missing functionality easily.
- There is scope of refinement, it means new requirements can be easily accommodated.
- It can be reused by the developer for more complicated projects in the future.
- It ensures a greater level of customer satisfaction and comfort.
- It is ideal for online system.
- It helps developers and users both understand the system better.
- Integration requirements are very well understood and deployment channels are decided at a very early stage.
- It can actively involve users in the development phase.

### ➤ **Disadvantages of Prototype Model**

- This model is costly.
- It has poor documentation because of continuously changing customer requirements.
- There may be too much variation in requirements.
- Customers sometimes demand the actual product to be delivered soon after seeing an early prototype.
- There may be sub-optimal solutions because of developers in a hurry to build prototypes.
- Customers may not be satisfied or interested in the product after seeing the initial prototype.
- There is certainty in determining the number of iterations.
- There may be incomplete or inadequate problem analysis.
- There may increase the complexity of the system.

#### **4.4.4 Flow Chart**

A pictorial representation of an algorithm is called a „Flowchart”. In flowchart, the steps in the algorithm are represented in the form of different shapes of boxes and the logical flow is indicated by interconnecting arrows. The boxes are used to represent different operations and the arrows are used to represent the sequence of these operations. Since this is a visual way of algorithm representation, it helps the programmer/tester in understanding the logic of the program.

#### **Symbols Used In Flowchart**

Different symbols are used for different states in flowchart, for example: Input/output and decision making has different symbols. The table below describes all the symbols that are used in making flowchart

Symbol	Symbol Name	Description
	Flow lines	Flow lines are used to connect symbols used in flowchart and indicate direction of flow.
	Terminal (START / STOP)	This is used to represent start and end of the flowchart.
	Input / Output	It represents information which the system reads as input or sends as output.
	Processing	Any process is represented by this symbol. For example, arithmetic operation, data movement.
	Decision	This symbol is used to check any condition or take decision for which there are two answers. Yes (True) or No (False).
	Connector	It is used to connect or join flow lines.
	Off-page Connector	This symbol indicates the continuation of flowchart on the next page.
	Document	It represents a paper document produced during the flowchart process.
	Annotation	It is used to provide additional information about another flowchart symbol which may be in the form of descriptive comments, remarks or explanatory notes.
	Manual Input	It represents input to be given by a developer or programmer.
	Manual Operation	This symbol indicates that the process has to be done by a developer or programmer.
	Online Storage	It represents online data storage such as hard disks, magnetic drums or other storage devices.
	Offline Storage	It represents offline data storage such as sales on OCR, data on punched cards.
	Communication Link	It represents the data received or to be transmitted from an external system.
	Magnetic Disk	It represents data input or output from and to a magnetic disk.

**Figure 4.2 Flowchart Symbols**

## 1. Flow Chart for Login Process

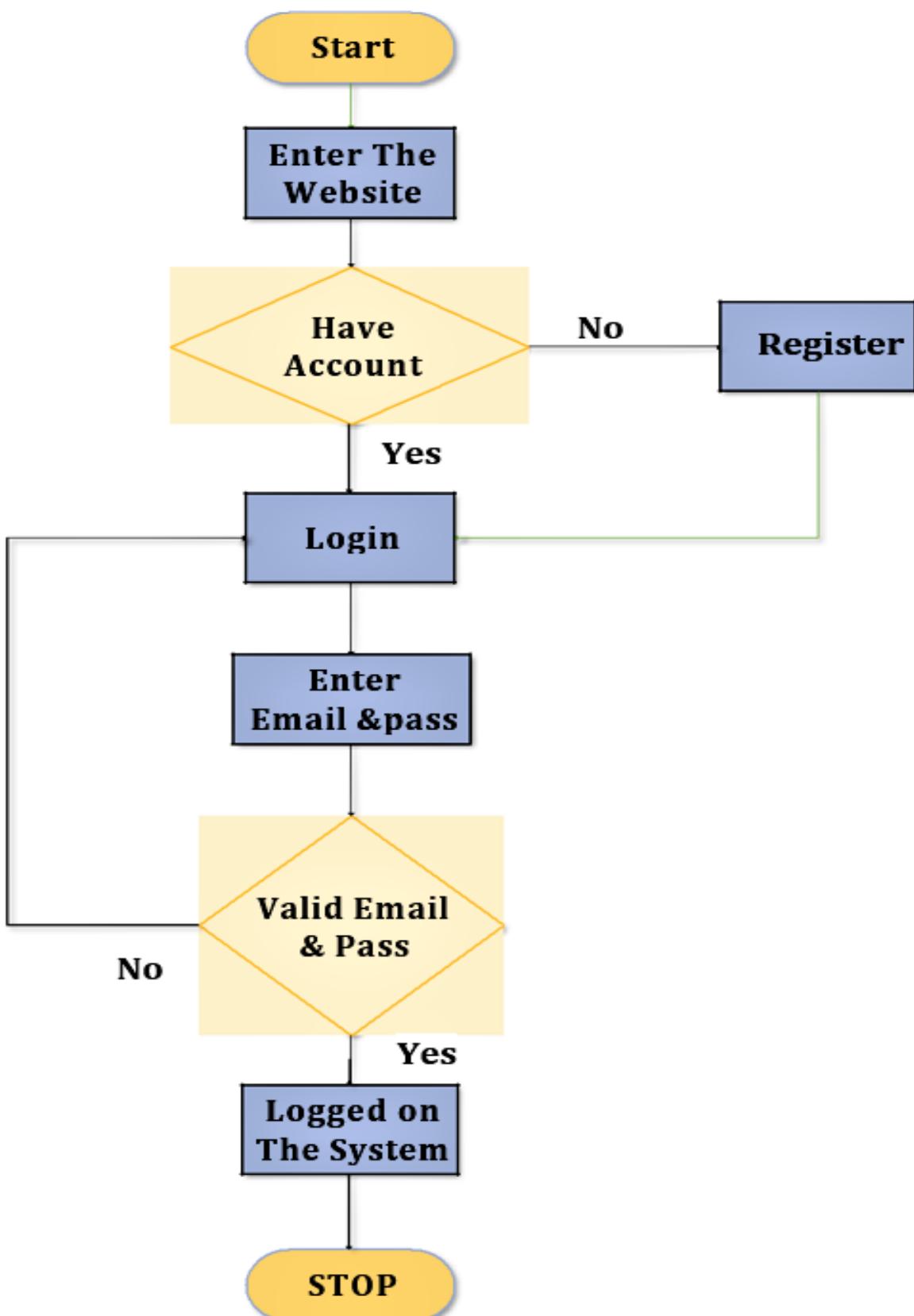


Figure 4.3 Flowchart Login Process

## 2. Flowchart for Registration Process

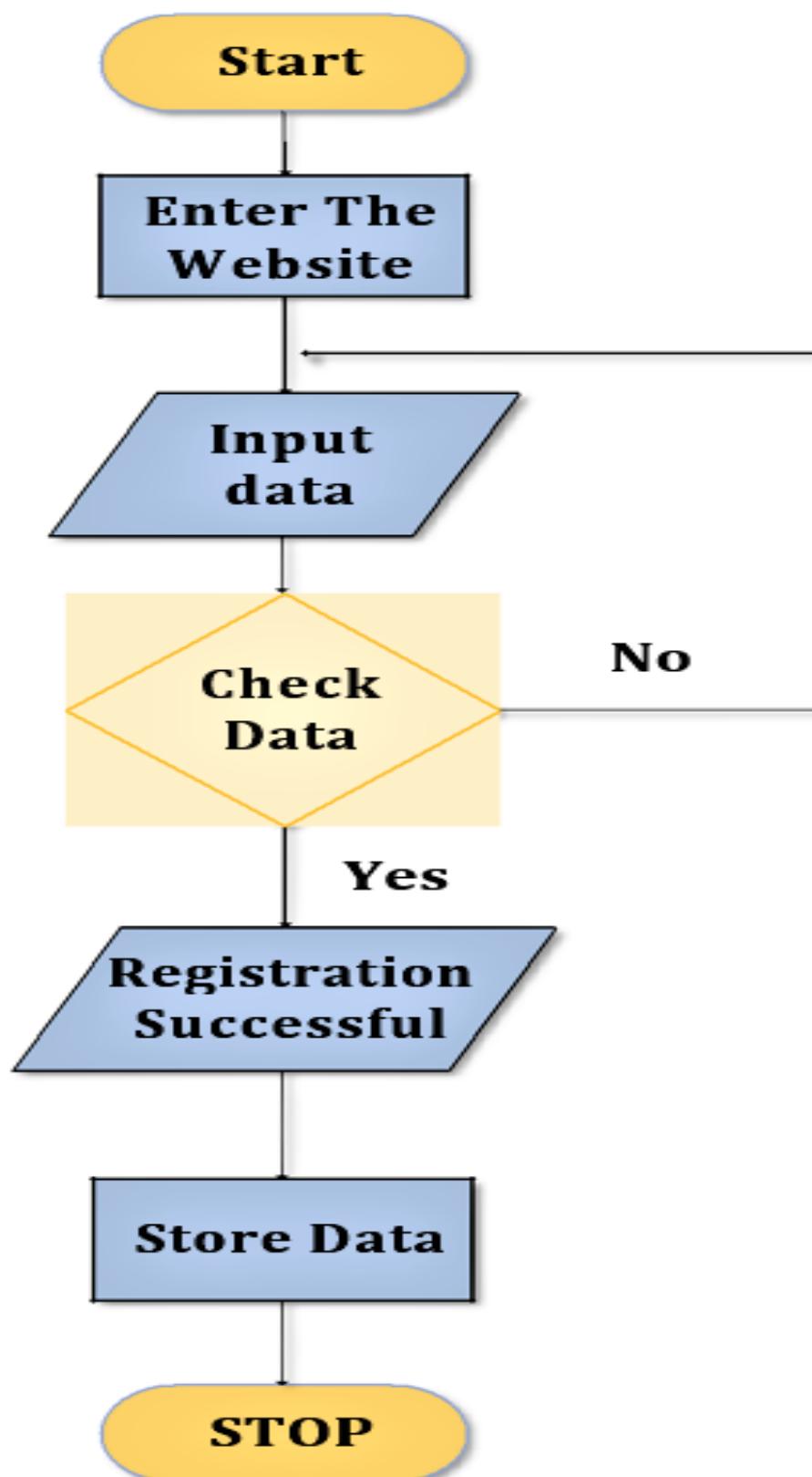


Figure 4.4 Flowchart Registration Process

## 3. Flowchart for Admin Side Process

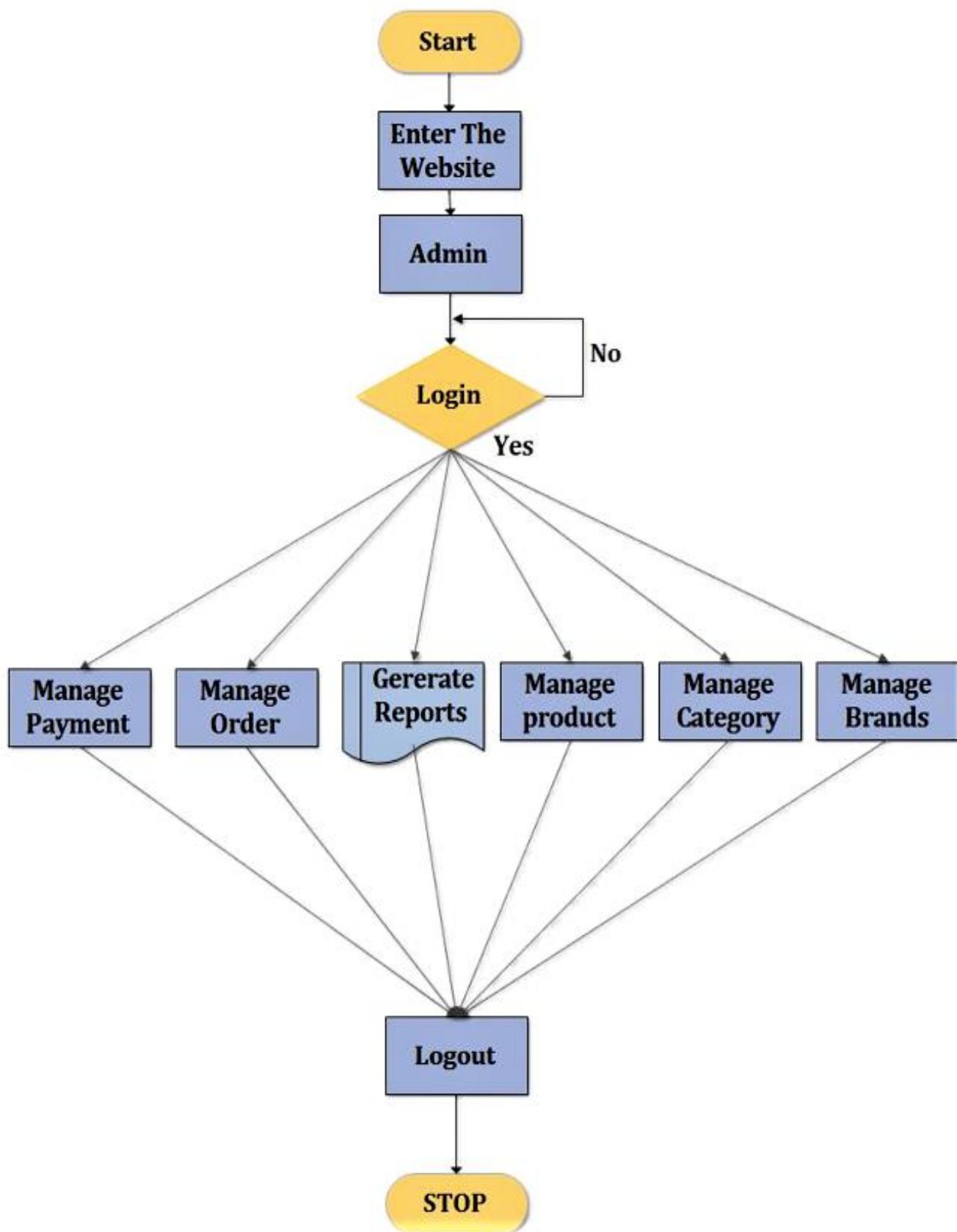


Figure 4.5 Flowchart Admin Side

## 4. Flowchart for User Side Process

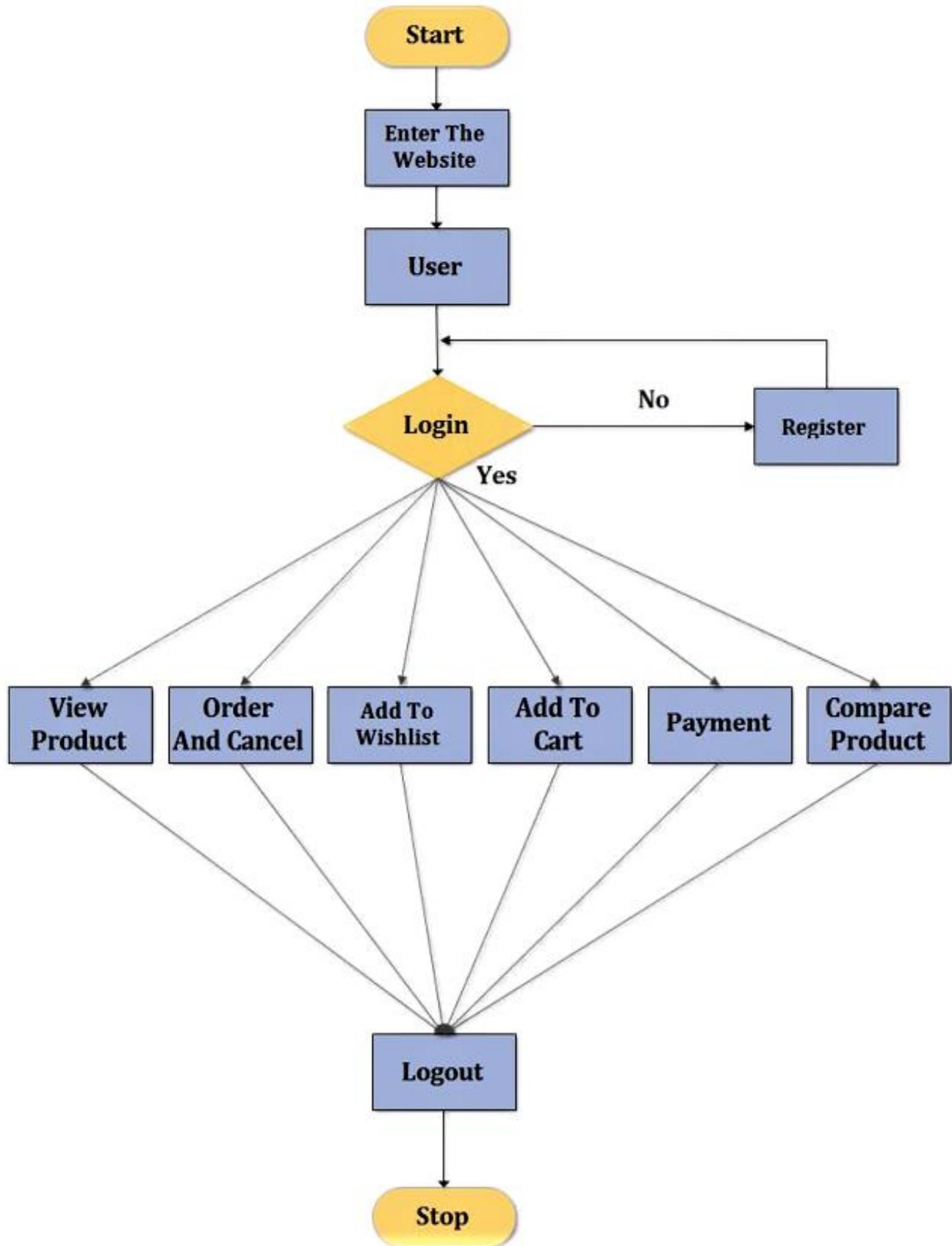


Figure 4.6 Flowchart User Side

#### 4.4.5 Data Flow Diagram (DFD)

A data flow diagram is a graphical view of how data is processed in a system in terms of input and output.

The Data flow diagram (DFD) contains some symbol for drawing the data flow diagram.

#### Data flow diagram symbol:

Table 4.2 Data Flow Diagram Symbol

Symbol	Description
→	<b>Data Flow</b> – Data flow are pipelines through the packets of information flow.
○	<b>Process</b> : A Process or task performed by the system.
□	<b>Entity</b> : Entity are object of the system. A source or destination data of a system.
—	<b>Data Store</b> : A place where data to be stored.

#### 1. Zero Level Data Flow Diagram (Context Level)

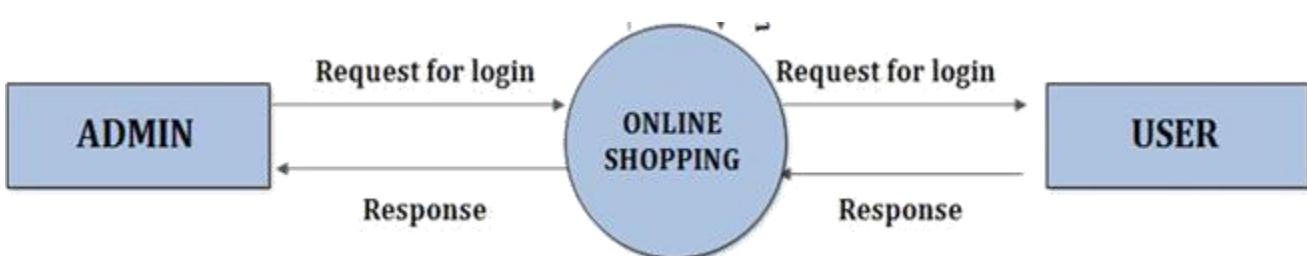


Figure 4.8 Zero Level Data Flow Diagram

## 2. First Level Admin Side Data Flow Diagram

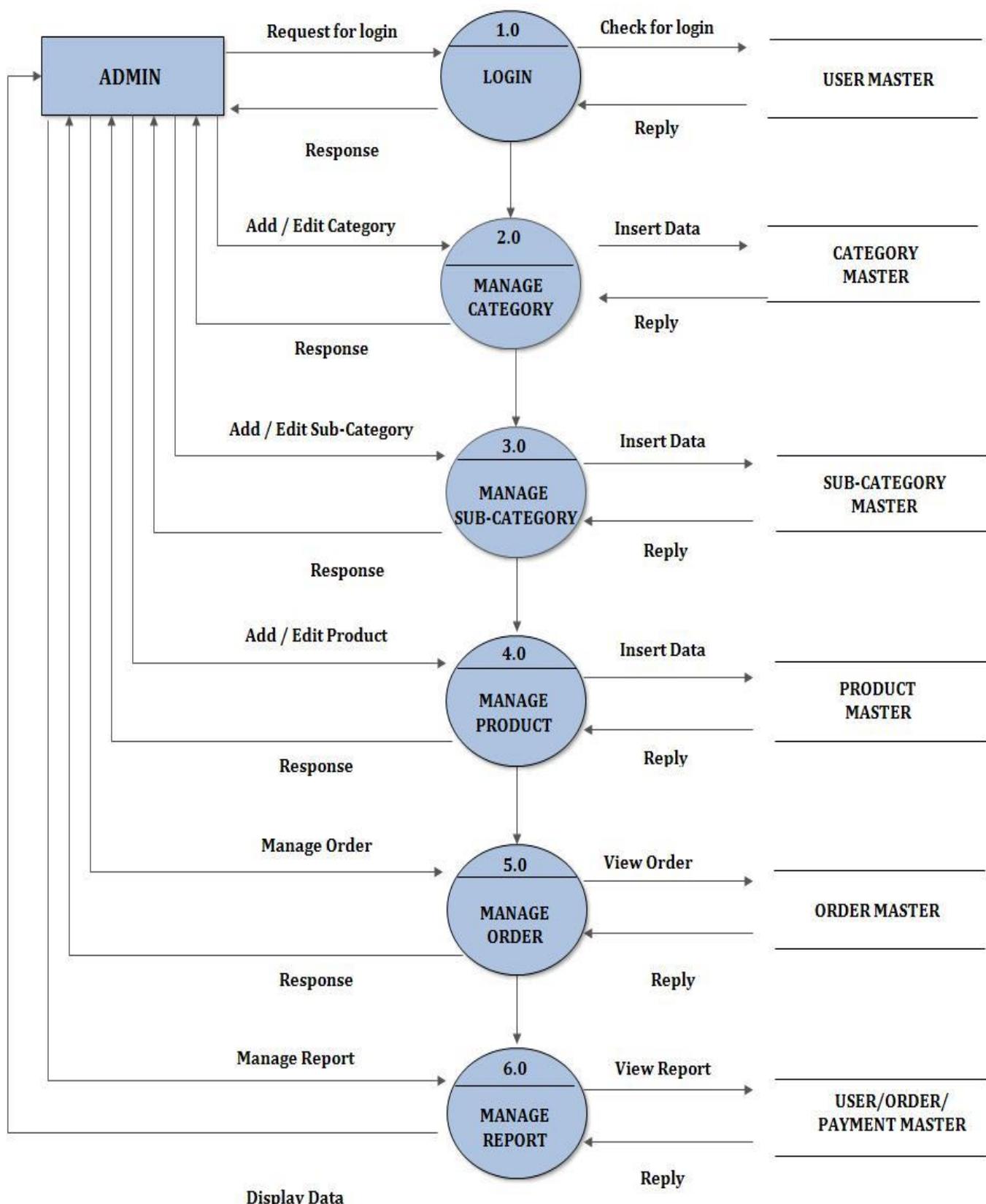


Figure 4.9 First Level Admin Side Data Flow Diagram

## 3. Second Level Admin Side Data Flow Diagram (2.0)

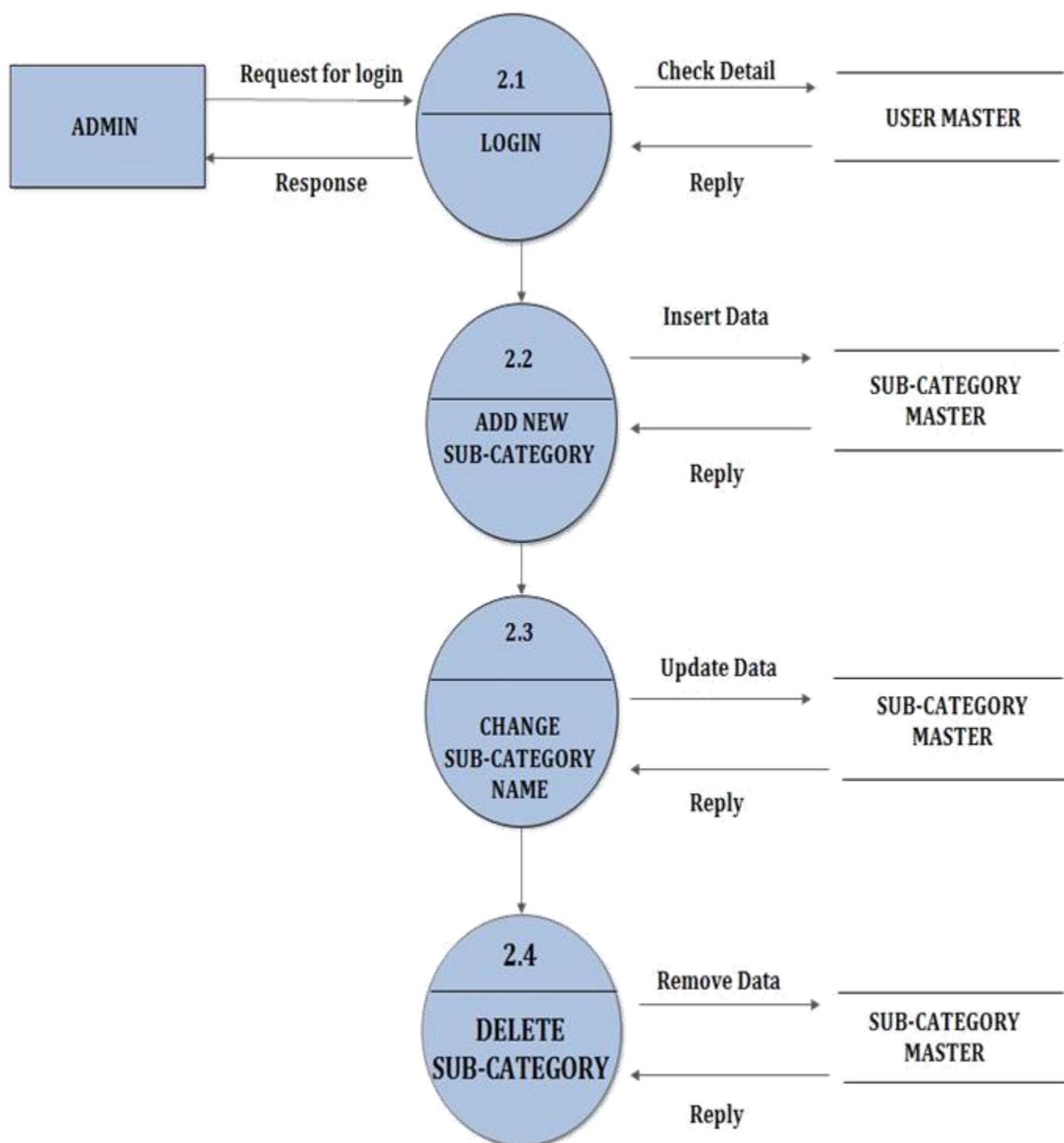


Figure 4.10 Second Level Admin Side Data Flow Diagram (2.0)

## 4. Second Level Admin Side Data Flow Diagram (3.0)

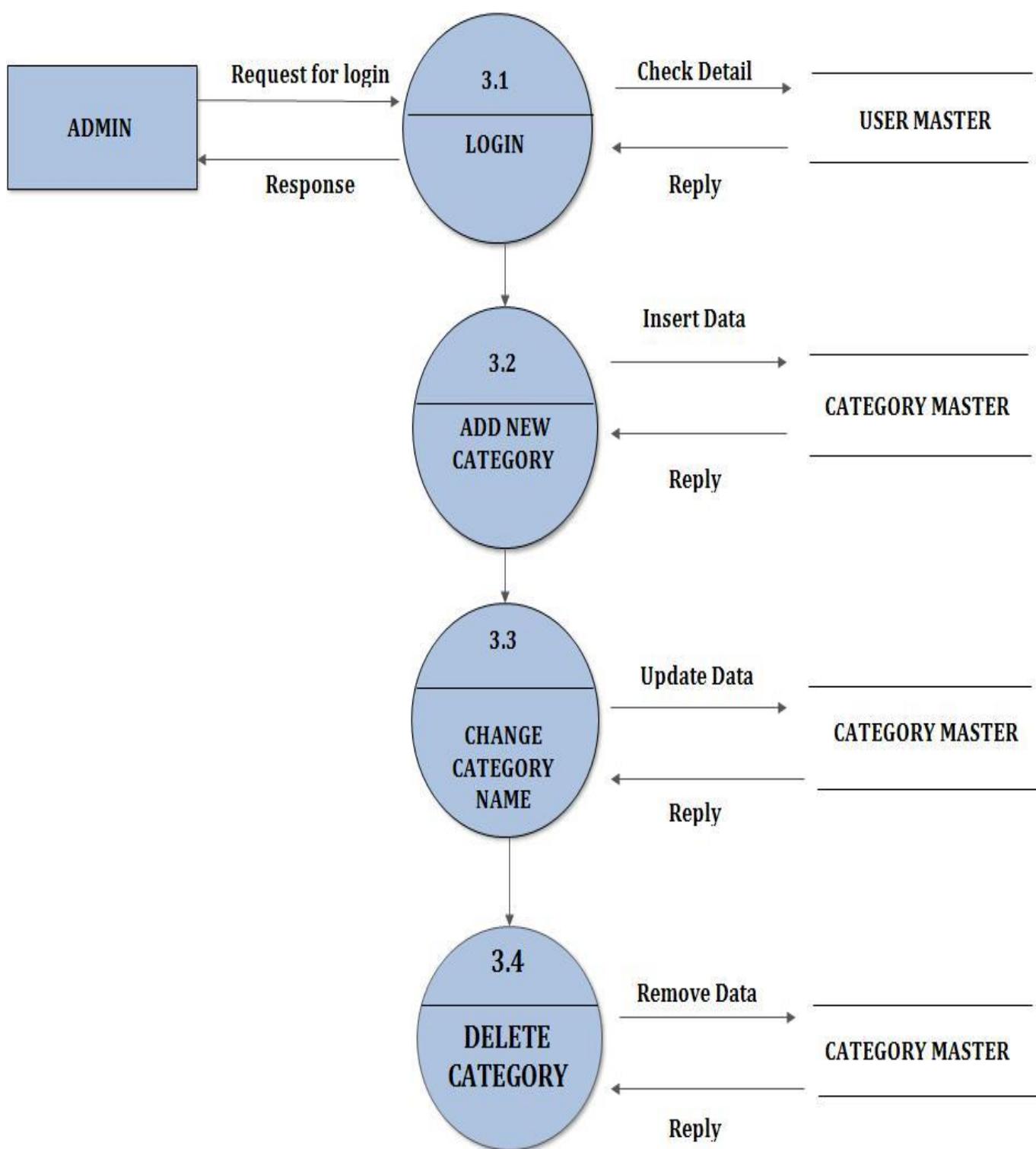


Figure 4.11 Second Level Admin Side Data Flow Diagram (3.0)

## 5. Second Level Admin Side Data Flow Diagram (4.0)

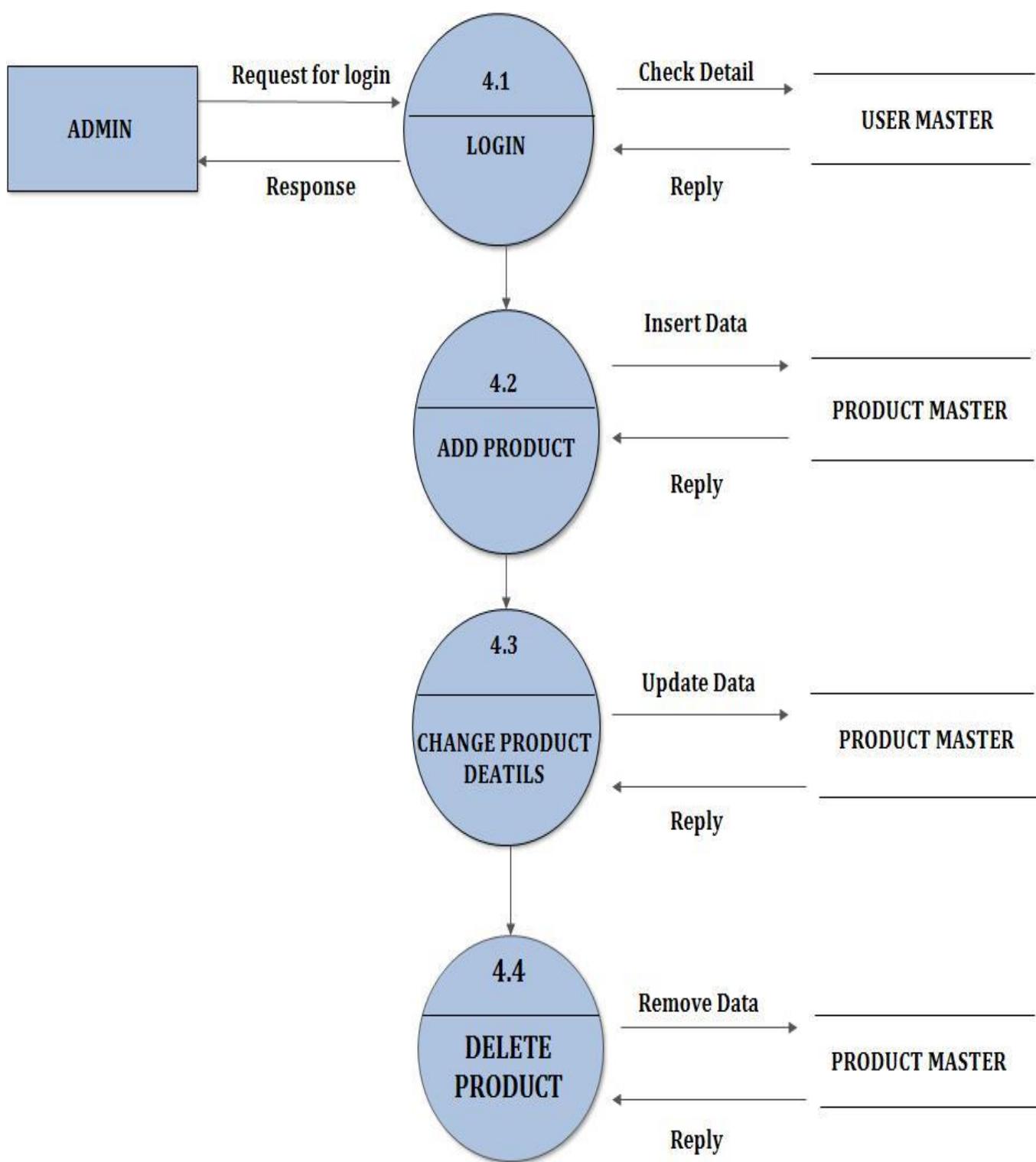


Figure 4.12 Second Level Admin Side Data Flow Diagram (4.0)

## 6. Second Level Admin Side Data Flow Diagram (5.0)

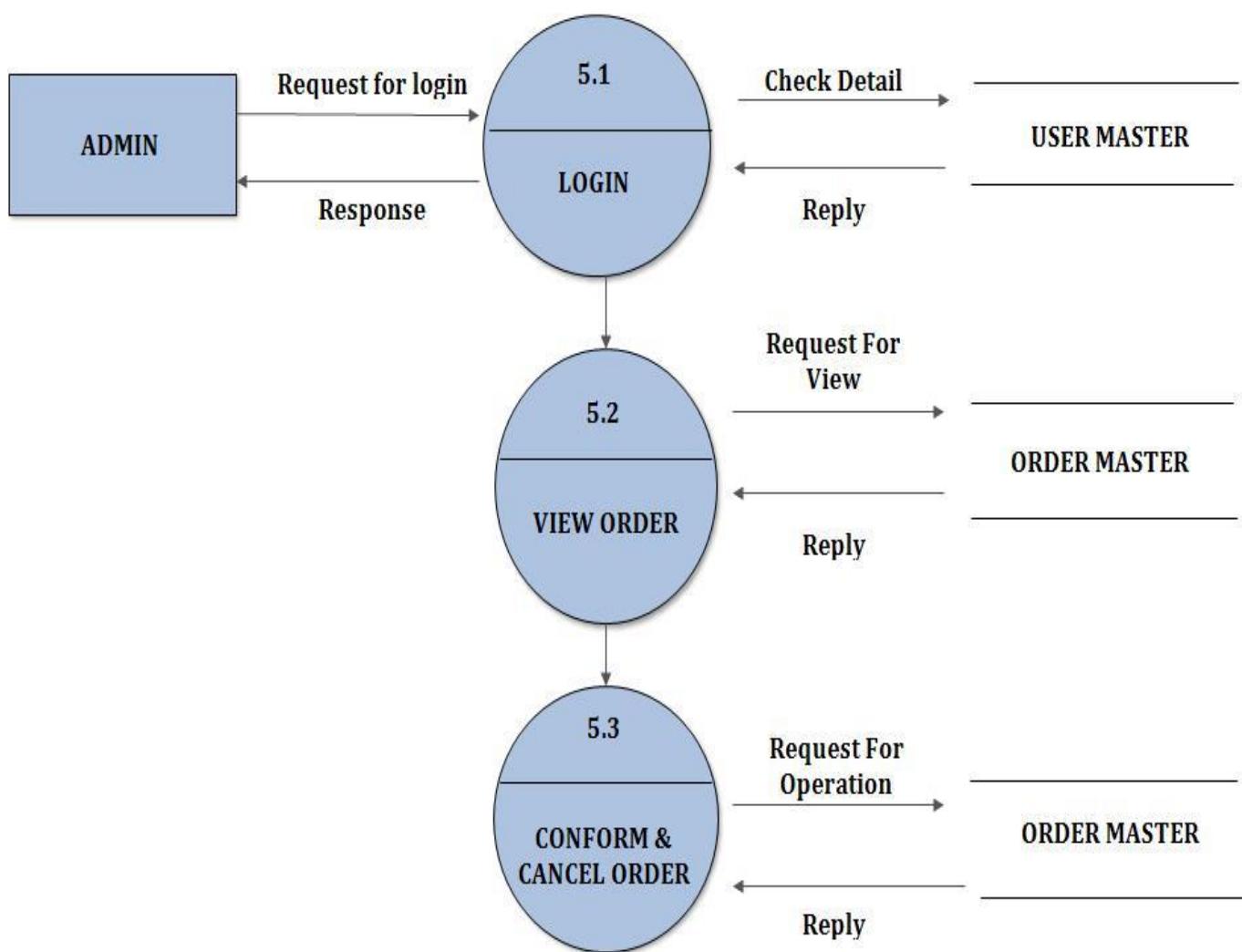


Figure 4.13 Second Level Admin Side Data Flow Diagram (5.0)

## 7. Second Level Admin Side Data Flow Diagram (6.0)

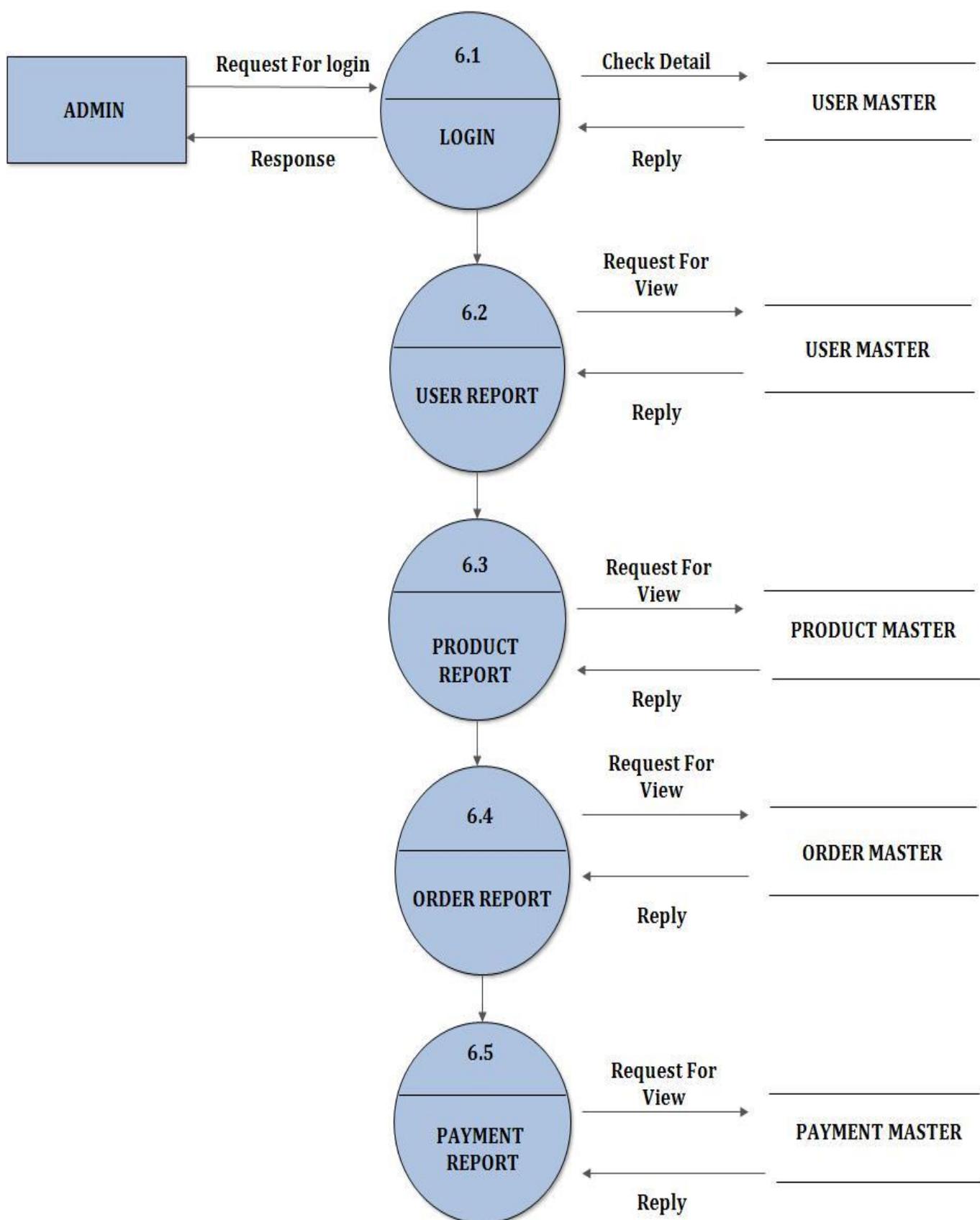


Figure 4.14 Second Level Admin Side Data Flow Diagram (6.0)

## 8. First Level User Side Data Flow Diagram

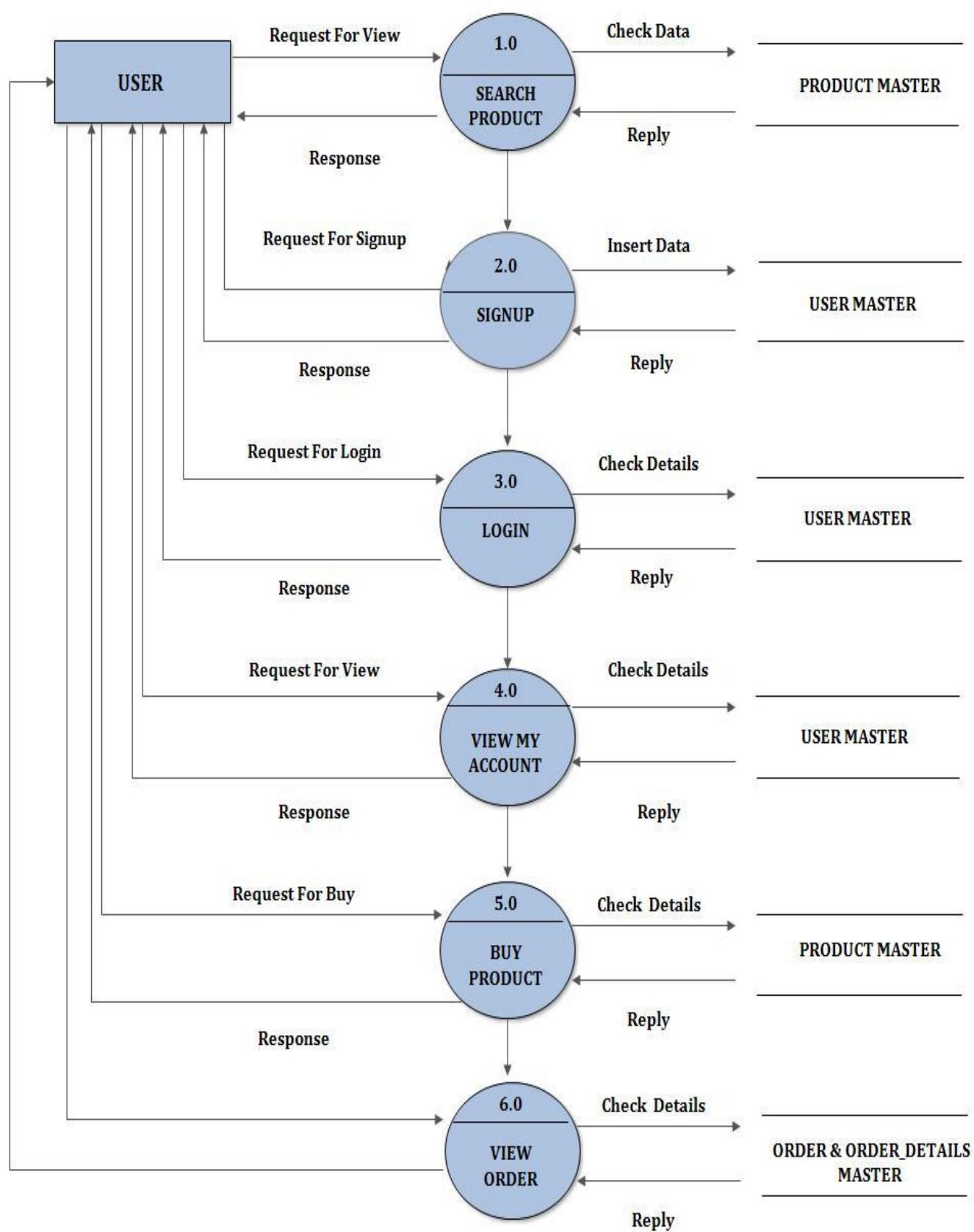


Figure 4.15 First Level User Side Data Flow Diagram

## 9. Second Level User Side Data Flow Diagram (2.0)

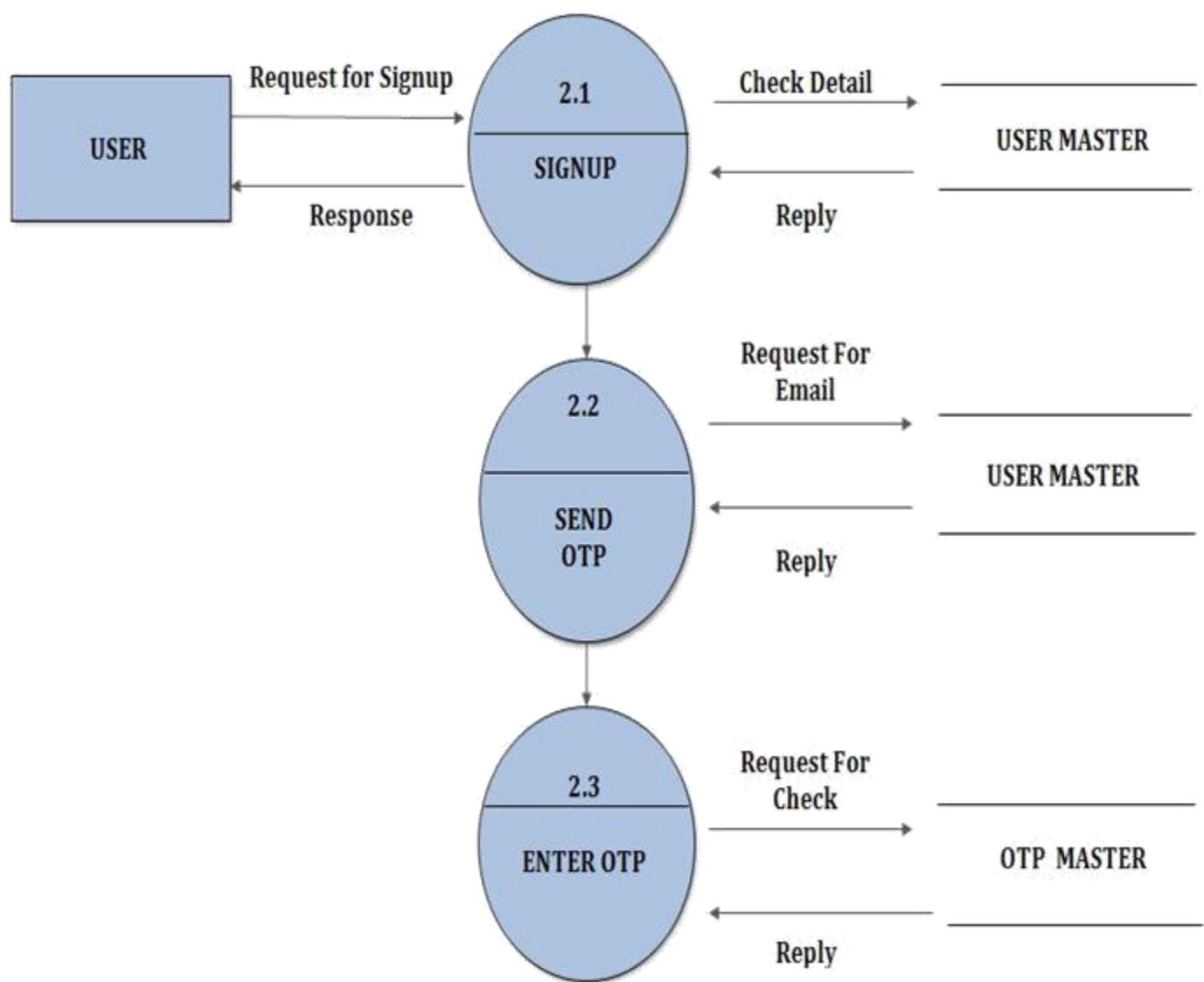


Figure 4.16 Second Level User Side Data Flow Diagram (2.0)

## 10. Second Level User Side Data Flow Diagram (3.0)

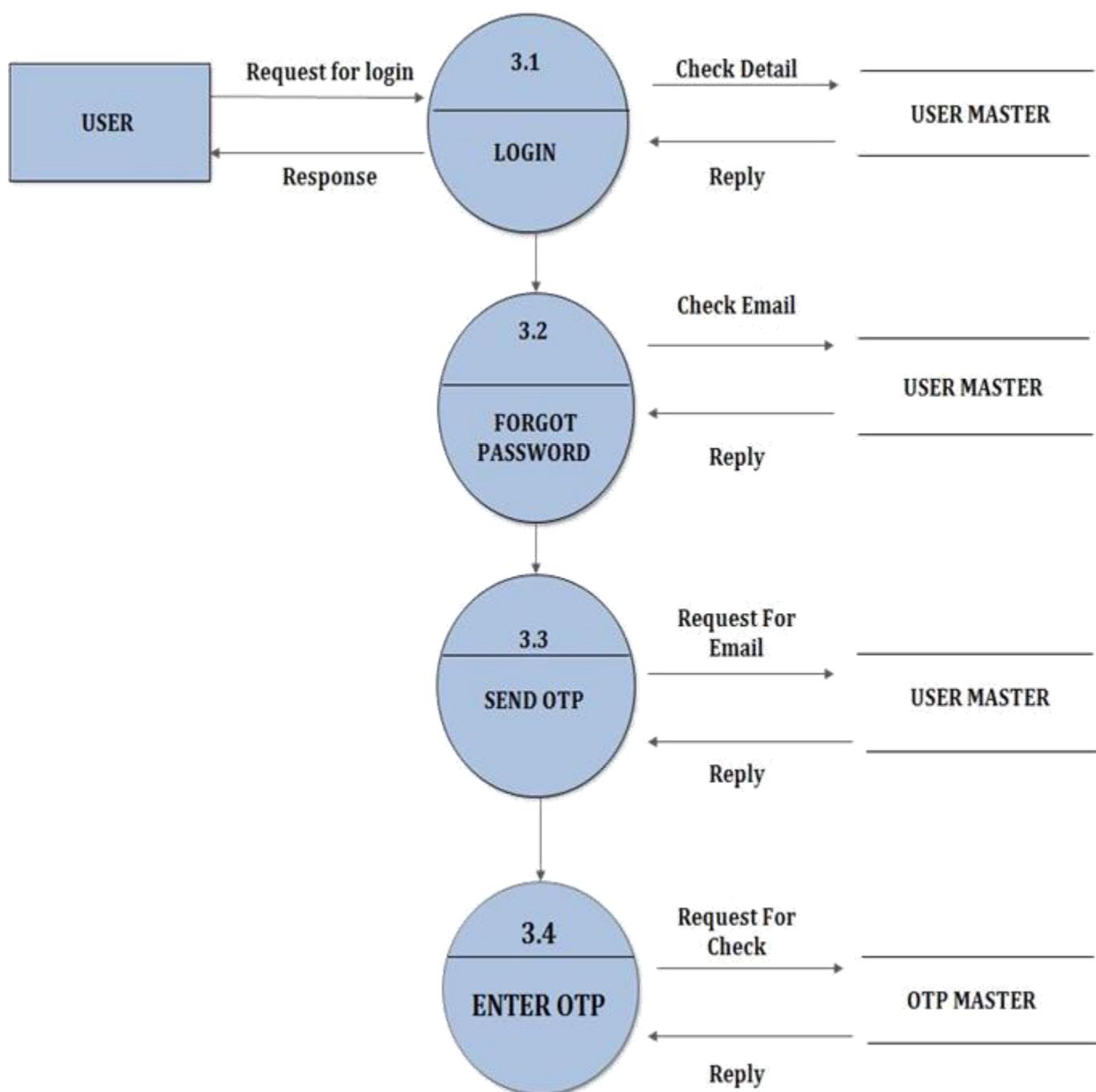


Figure 4.17 Second Level User Side Data Flow Diagram (3.0)

## 11. Second Level User Side Data Flow Diagram (4.0)

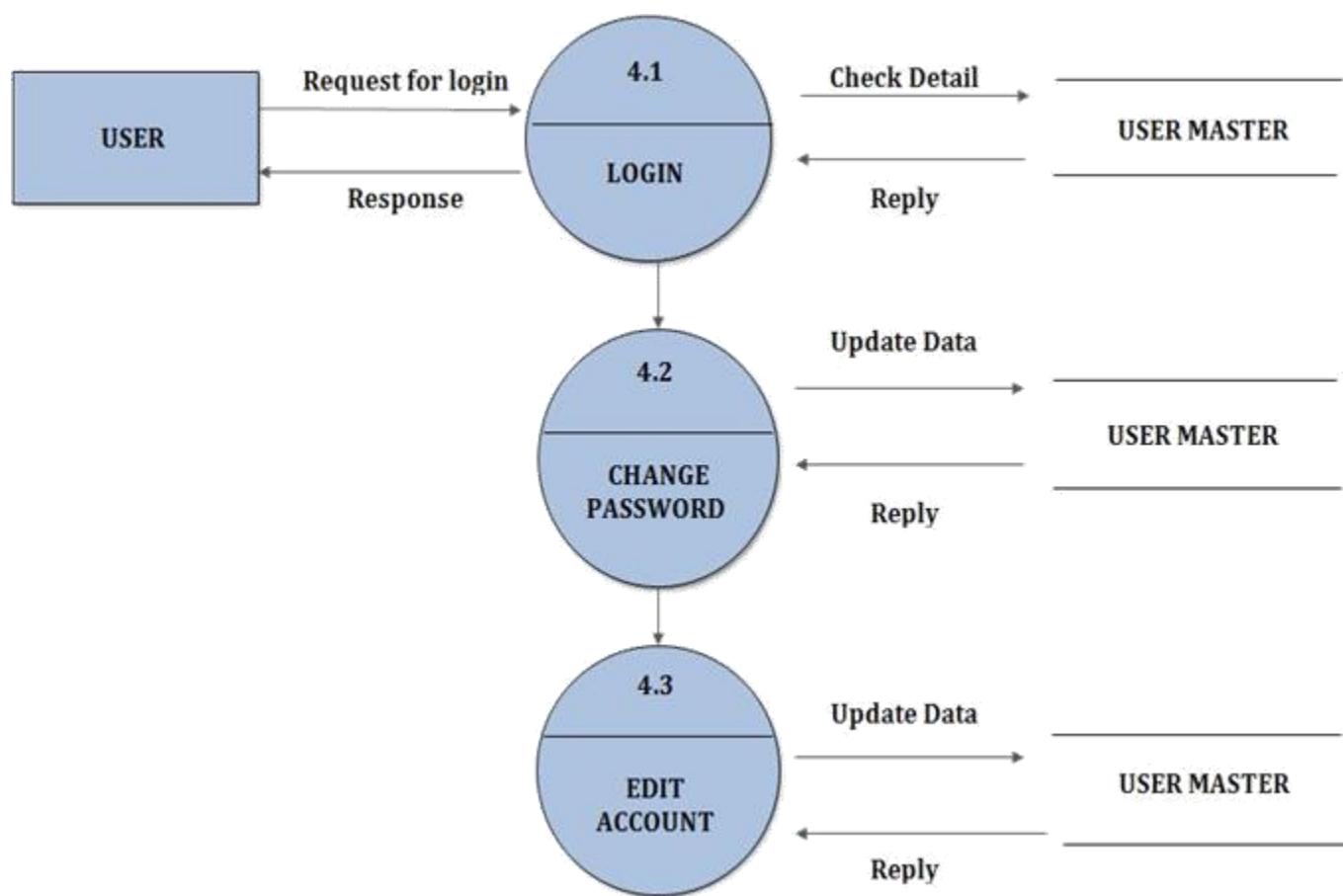


Figure 4.18 Second Level User Side Data Flow Diagram (4.0)

## 12. Second Level User Side Data Flow Diagram (5.0)

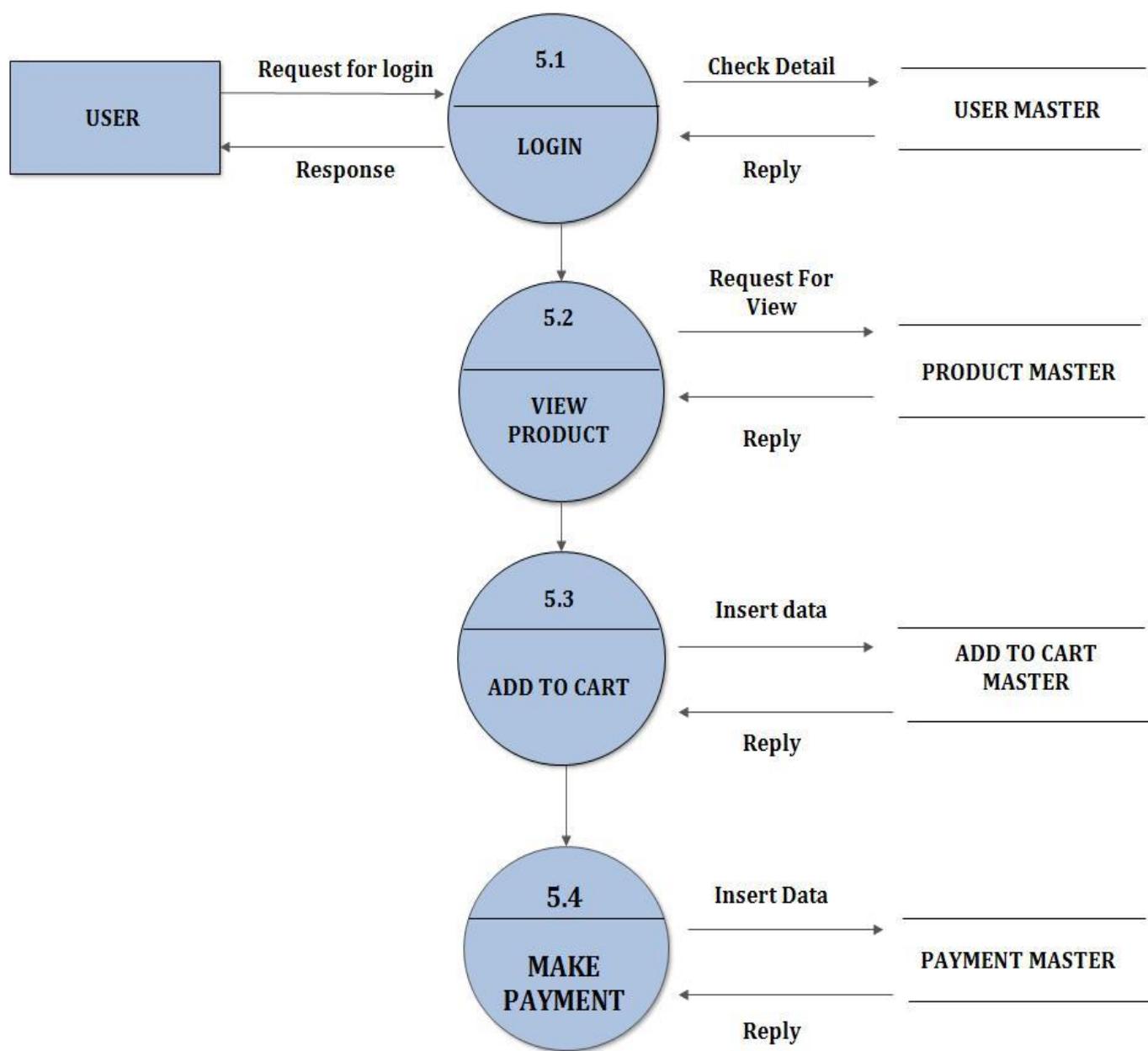


Figure 4.19 Second Level User Side Data Flow Diagram (5.0)

## 13. Second Level User Side Data Flow Diagram (6.0)

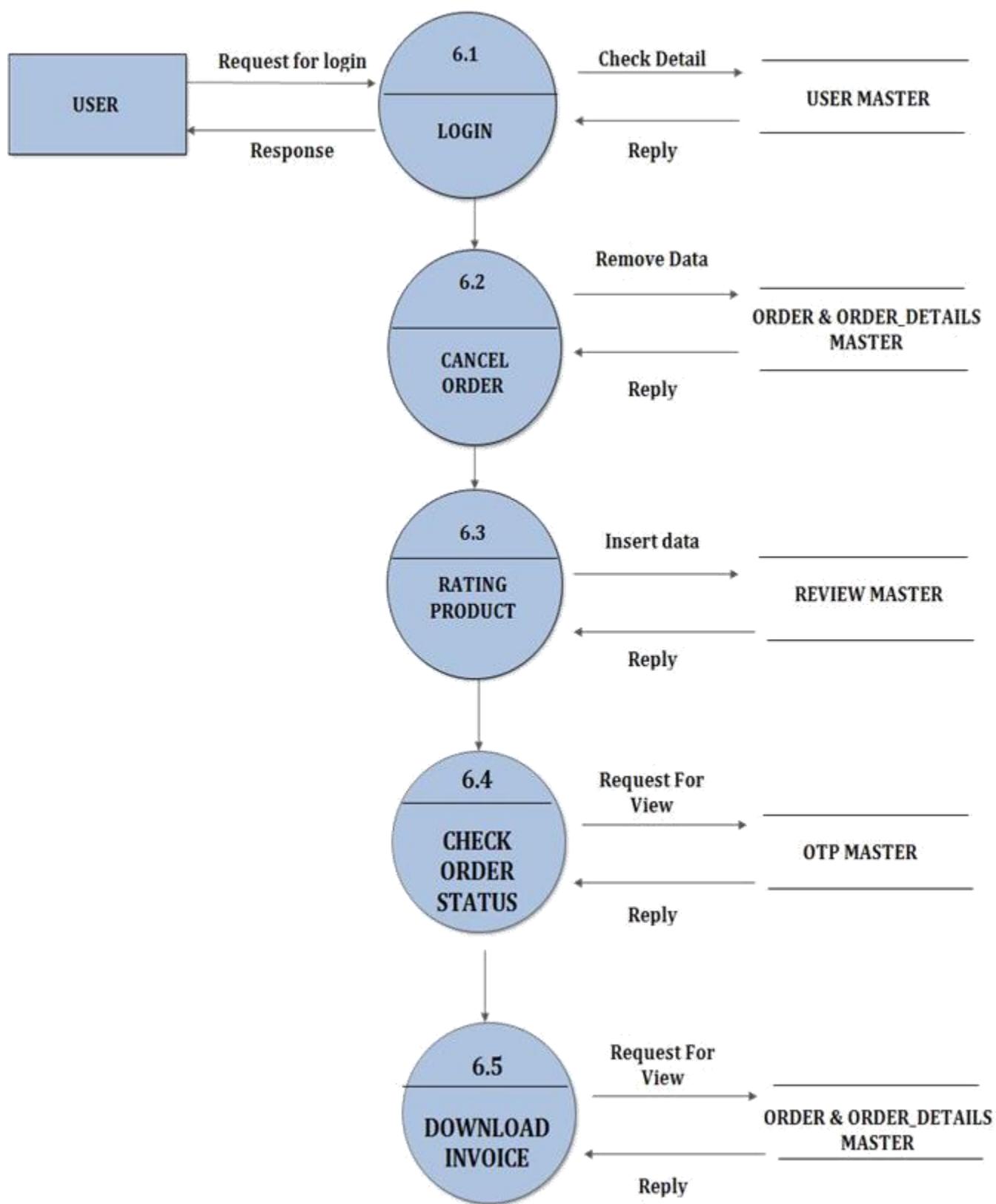


Figure 4.20 Second Level User Side Data Flow Diagram (6.0)

#### 4.4.6 Process / Control Specification

Process Specification is used to describe the **bubble** (process) which is defined in DFD. It's a one kind of mini specification of all functions and process. We do specification for the **lowest** level (**Refined** level/**Last** level) bubble in DFD.

It describes all the inputs and outputs to the process and also describes the functionality of the process.

This process is used to perform search operation. It takes input from the user. User sends their data and then search event is performed. After performing search this process produces the output and the result to the customer.

##### 1. Registration Process:



Registration Process is used to make Unregistered User into the Registered User.

It takes input like: Username, Password, E-mail, and Mobile No. And so on.

It stores all those User information in Database.

##### 2. Login Process:



Login Process is used to perform the Login Operation and provide the Authority to the user.

It takes the E-mail ID and Password as an input from the User and gives the Authority as output to that User.

#### 4.4.7 Data Dictionary

The data dictionary of any system is an integral component of structure, analysis since data flow diagram by themselves do not fully describe the implementation of the system. A data dictionary is catalogue a repository of the element the system.

It is developed during data flow analysis and consists the analysis involved in determining the system requirements.

#### Importance of Data Dictionary:-

- To manage the details in large system.
- To communicate a common meaning for all elements.
- To document the features of the system.

#### 1. Data Dictionary for User Master Table:-

<b>Name</b>	User information
<b>Alias</b>	None
<b>Where and how to use</b>	User details is used to get the information of the users/admin/ it is used to login the user
<b>Description</b>	Contains the information about users, name, password, email, mobile number, gender, address, city, state Etc.

#### 2. Data Dictionary for Categories Master Table:-

<b>Name</b>	Product Categories Details
<b>Alias</b>	None
<b>Where and How to use</b>	Product Categories is used to get the information Type of Product, that information is used to show details Type of Product.
<b>Description</b>	Contains the information about Categories Name, Categories Id, and Categories Image.

### 3. Data Dictionary for Sub-Categories Master Table:-

<b>Name</b>	Product sub categories details
<b>Alias</b>	None
<b>Where and how to use</b>	Sub categories is used to get the information about brand of product , that information is used to show details product.
<b>Description</b>	Contains the information about subcategories id, subcategories name, categories id, subcategories image.

### 4. Data Dictionary for Product Master Table:-

<b>Name</b>	Product master table
<b>Alias</b>	None
<b>Where and how to use</b>	Product table is used to get the information of the product, that information is used to show details of product.
<b>Description</b>	Product name, product sub-category name, product amount, specification, product image.

### 5. Data Dictionary for Product Details Master Table:-

<b>Name</b>	Product details master table
<b>Alias</b>	None
<b>Where and how to use</b>	Product details master table is used to get the information of the product, that information is used to show details of product.
<b>Description</b>	Contains the information about – product id , product details , etc.

## 6. Data Dictionary for Add To Cart Master Table:-

<b>Name</b>	Add to Cart Details
<b>Alias</b>	None
<b>Where and how to use</b>	Add to Cart is used Add Product to Cart And Buy Products.
<b>Description</b>	Contains the information about Cart id, user id, product id, Quantity.

## 7. Data Dictionary for Add to Wish list Master Table:-

<b>Name</b>	Add to wish list Details
<b>Alias</b>	None
<b>Where and how to use</b>	Add to wish list is used Add Product to wish list And Buy Products.
<b>Description</b>	Contains the information about wish list id, user id, product id, Quantity.

## 8. Data Dictionary for Order Master Table:-

<b>Name</b>	Order master
<b>Alias</b>	None
<b>Where and how to use</b>	Order table is used to get the information of the user to order
<b>Description</b>	Contains the information about- Order id, user id.

## 9. Data Dictionary for Order Details Master Table:-

<b>Name</b>	Order details master
<b>Alias</b>	None
<b>Where and how to use</b>	Order details table is used to get the information of the user order product.
<b>Description</b>	Contains the information about -id, Order id, Dealer id, date & time, Quantity, product id, price, total price, payment type.

## 10. Data Dictionary for Payment Master Table:-

<b>Name</b>	Payment master table
<b>Alias</b>	None
<b>Where and how to use</b>	Payment master table is used to get the information of the user transaction details.
<b>Description</b>	Contains the information about- pay id, User id, pay order id, pay status, pay transaction id, pay amount, date & time, pay bank name.

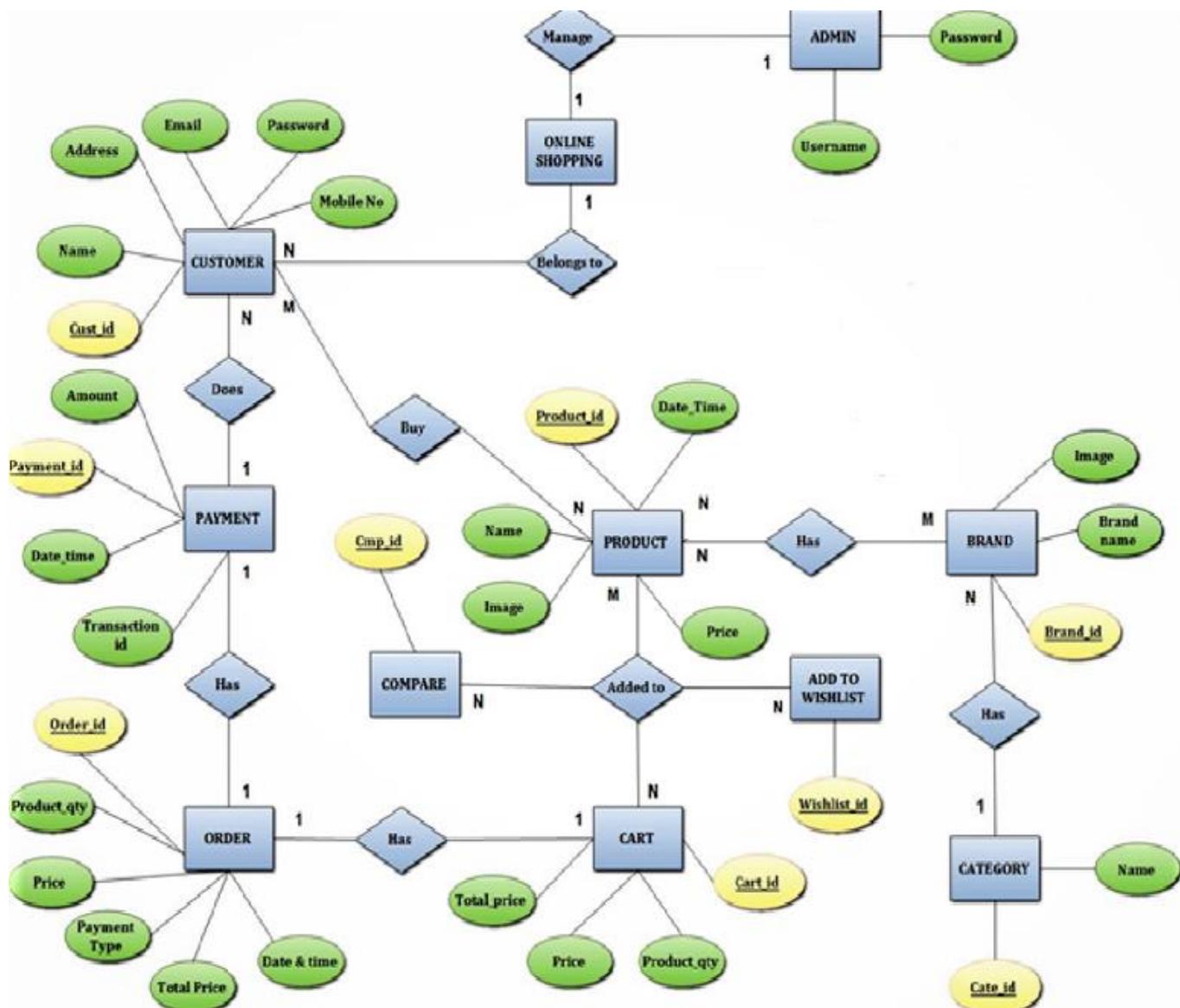
## 11. Data Dictionary for Review Master Table:-

<b>Name</b>	Review master
<b>Alias</b>	None
<b>Where and how to use</b>	Rating master table is used to get the information of the user review product.
<b>Description</b>	Contains the information about- review id, User id, product id, comment, date, and rating.

## 12. Data Dictionary for OTP Master Table:-

<b>Name</b>	OTP master
	None
<b>Alias</b>	
<b>Where and how to use</b>	OTP master table is used to get the information of the user Registration.
<b>Description</b>	Contains the information about- id, code, status, and date.

### 4.4.8 E-R Diagram



#### **4.4.9 Data Object Description**

The following contains information on how to retrieve database information for MySQL objects such as databases, views, and users. The method of retrieving system information from MySQL is dependent on the MySQL version.

##### **1. Databases:**

This is a query to retrieve MySQL databases for MySQL 5 or newer:

**Select scheme name from information schema.schemate**

This is a query to retrieve MySQL databases for all version of MySQL:

**Show databases**

##### **2. Views:**

This is a query to retrieve MySQL Views or for MySQL 5 or newer:

**Select TABLE\_NAME from information\_schema.views where Table schema = 'MySQL'**

##### **3. Users:**

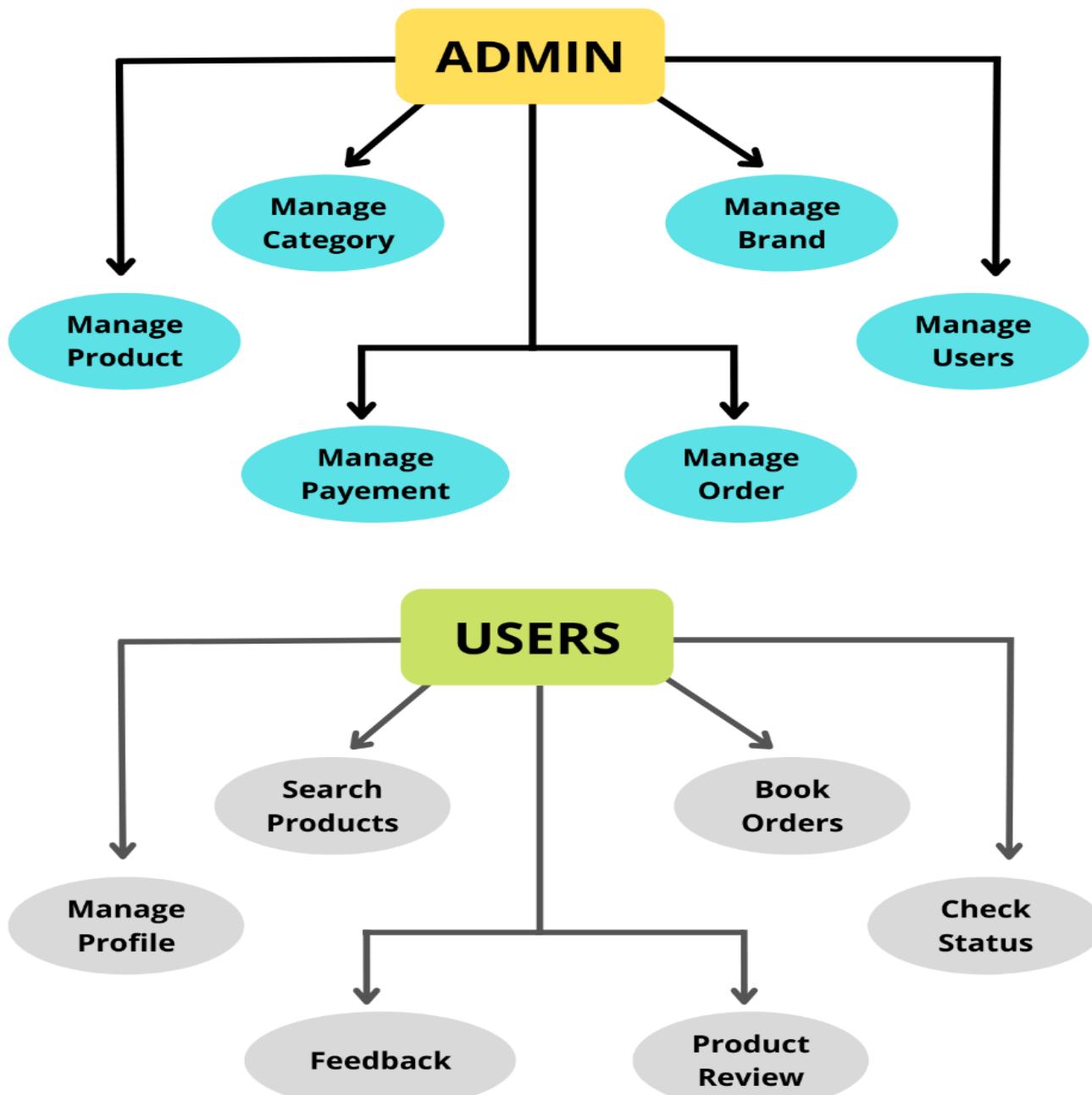
This is a query to retrieve MySQL users:

**Select distinct user from MySQL.User where user < > " order by user**

# Chapter – 5. Software Design

- 5.1 Project Design Process Hierarchy
- 5.2 Database Design
  - 5.2.1 Justification of Normalization
- 5.3 Architectural Design
- 5.4 Algorithm Development / Pseudo-code
- 5.5 User Interface Design
- 5.6 Security Issues
- 5.7 Quality / Reliability Measures
- 5.8 System Map

## 5.1 Project Design Process Hierarchy



## 5.2 Database Design

### Admin Table:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	Admin Name
gender	Varchar latin1_swedish_ci	100	Admin Gender
phone	bigint	10	Admin Mobile Number
email	Varchar latin1_swedish_ci	11	Admin Email
password	Varchar latin1_swedish_ci	100	Password
con_pass	Varchar latin1_swedish_ci	100	Confirm Password

### Product Category:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	Category Name
Total_product	int	11	Total Product in this Category

**Product Sub-Category:**

<b>Field Name</b>	<b>Data Type</b>	<b>Size</b>	<b>Description</b>
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	Sub-Category Name
Cat_id	int	100	Category id

**Product Brand:**

<b>Field Name</b>	<b>Data Type</b>	<b>Size</b>	<b>Description</b>
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	Brand Name
logo	Varchar latin1_swedish_ci	100	Brand Logo (image)
Total_product	int	11	Total Product in this Brand

**Product:**

Field Name	Data Type	Size	Description
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	product Name
description	Varchar latin1_swedish_ci	100	Product description
price	int	11	Product price
brand	Varchar latin1_swedish_ci	11	Product Brand name
cat	Varchar latin1_swedish_ci	100	Product category name
Sub_cat	Varchar latin1_swedish_ci	100	Product sub-category name
image	Varchar latin1_swedish_ci	100	product image
status	int	11	Product status

**Product Cart:**

Field Name	Data Type	Size	Description
id	int	11	Primary Key
user_id	int	11	User Login Id
product_id	int	11	ProductId (cart product)
product_qty	int	11	Total Product in this Cart
total_price	int	11	Total Price of Cart Product

Users Table:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	Admin Name
gender	Varchar latin1_swedish_ci	100	Admin Gender
phone	bigint	10	Admin Mobile Number
email	Varchar latin1_swedish_ci	11	Admin Email
password	Varchar latin1_swedish_ci	100	Password
con_pass	Varchar latin1_swedish_ci	100	Confirm Password
image	Varchar latin1_swedish_ci	100	User image (profile picture)
city	int	11	User city
address	Varchar latin1_swedish_ci	200	User address
lane	Varchar latin1_swedish_ci	100	User lane
landmark	Varchar latin1_swedish_ci	100	User landmark
pincode	tinyint	6	User address pincode
verify	tinyint	6	Email verification code(OTP)
status	int	11	User status

**Product Wish List:**

<b>Field Name</b>	<b>Data Type</b>	<b>Size</b>	<b>Description</b>
id	int	11	Primary Key
user_id	int	11	User Login Id
product_id	int	11	Product Id (cart product)

**Product Review:**

<b>Field Name</b>	<b>Data Type</b>	<b>Size</b>	<b>Description</b>
id	int	11	Primary Key
user_id	int	100	User Login id
product_id	int	11	Product Id (product review)
rating	int	11	User given product rating
message	Varchar latin1_swedish_ci	200	User give a review for specific product

Users City:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	City Name
total_user	int	11	Total user in this city

Users Feedback:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
user_id	int	11	User Login Id
comment	Varchar latin1_swedish_ci	300	Users send feedback

**Order:**

<b>Field Name</b>	<b>Data Type</b>	<b>Size</b>	<b>Description</b>
id	int	11	Primary Key
user_id	int	11	User Login Id
date	date		User order date
product_name	Varchar latin1_swedish_ci	300	All product name
quantity	int	11	Product quantity
price	int	11	Product price
Total_price	int	11	Total product price
Pay_type	int	11	User choose payment option

**Order Cancel:**

<b>Field Name</b>	<b>Data Type</b>	<b>Size</b>	<b>Description</b>
id	int	11	Primary Key
user_id	int	11	User Login Id
Order_id	int	11	Order id
reason	Varchar latin1_swedish_ci	300	Product cancel reason

Order Return:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
user_id	int	11	User Login Id
Order_id	int	11	Order id
reason	Varchar latin1_swedish_ci	300	Product Return reason

Invoice:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
user_id	int	11	User Login Id
product_name	Varchar latin1_swedish_ci	300	All product name
quantity	int	11	Product quantity
price	int	11	Product price
Total_price	int	11	Total product price
Pay_type	int	11	User choose payment option
Order_date	date		User order date
status	int	11	Order status

Payment Type:

Field Name	Data Type	Size	Description
id	int	11	Primary Key
name	Varchar latin1_swedish_ci	100	Payment type name

**5.2.1 Justification of Normalization****Normalization**

Database Normalization is a technique of organizing the data in the database. Normalization is a systematic approach of decomposing tables to eliminate data redundancy and undesirable characteristics like Insertion, Update and Deletion Anomalies. It is a multi-step process that puts data into tabular form by removing duplicated data from the relation tables.

*Normalization is used for mainly two purposes,*

- ▶ Eliminating redundant (useless) data.
- ▶ Ensuring data dependencies make sense i.e. data is logically stored.

**Normalization Rule**

*Normalization rule are divided into following Normal Form:-*

1. First Normal Form
2. Second Normal Form
3. Third Normal Form

## 1. First Normal Form (1NF)

As per First Normal Form, no two Rows of data must contain repeating group of information i.e. each set of column must have a unique value, such that multiple columns cannot be used to fetch the same row. Each table should be organized into rows, and each row should have a primary key that distinguishes it as unique.

The Primary key is usually a single column, but sometimes more than one column can be combined to create a single primary key. For example consider a table which is not in First Normal Form.

In First Normal Form, any row must not have a column in which more than one value is saved, like separated with commas. Rather than that, we must separate such data into multiple rows.

Using the First Normal Form, data redundancy increases, as there will be many columns with same data in multiple rows but each row as a whole will be unique.

## 2. Second Normal Form (2NF)

As per the Second Normal Form there must not be any partial dependency of any column on primary key. It means that for a table that has concatenated primary key, each column in the table that is not part of the primary key must depend upon the entire concatenated key for its existence. If any column depends only on one part of the concatenated key, then the table fails Second Normal Form.

In example of First Normal Form there are two rows for Adam, to include multiple subjects that he has opted for. While this is searchable, and follows First Normal Form, it is an inefficient use of space. Also in the above Table in First Normal Form, while the candidate key is {Student, Subject}, Age of Student only depends on Student column, which is incorrect as per Second Normal Form. To achieve second normal form, it would be helpful to split out the subjects into an independent table, and match them up using the student names as foreign keys.

## 3. Third Normal Form (3NF)

Third Normal form applies that every non-prime attribute of table must be dependent on primary key, or we can say that, there should not be the case that a non-prime attribute is determined by another non-prime attribute. So this Transitive Functional Dependency should be removed from the table and also the table must be in Second Normal form. For example, consider a table with following fields.

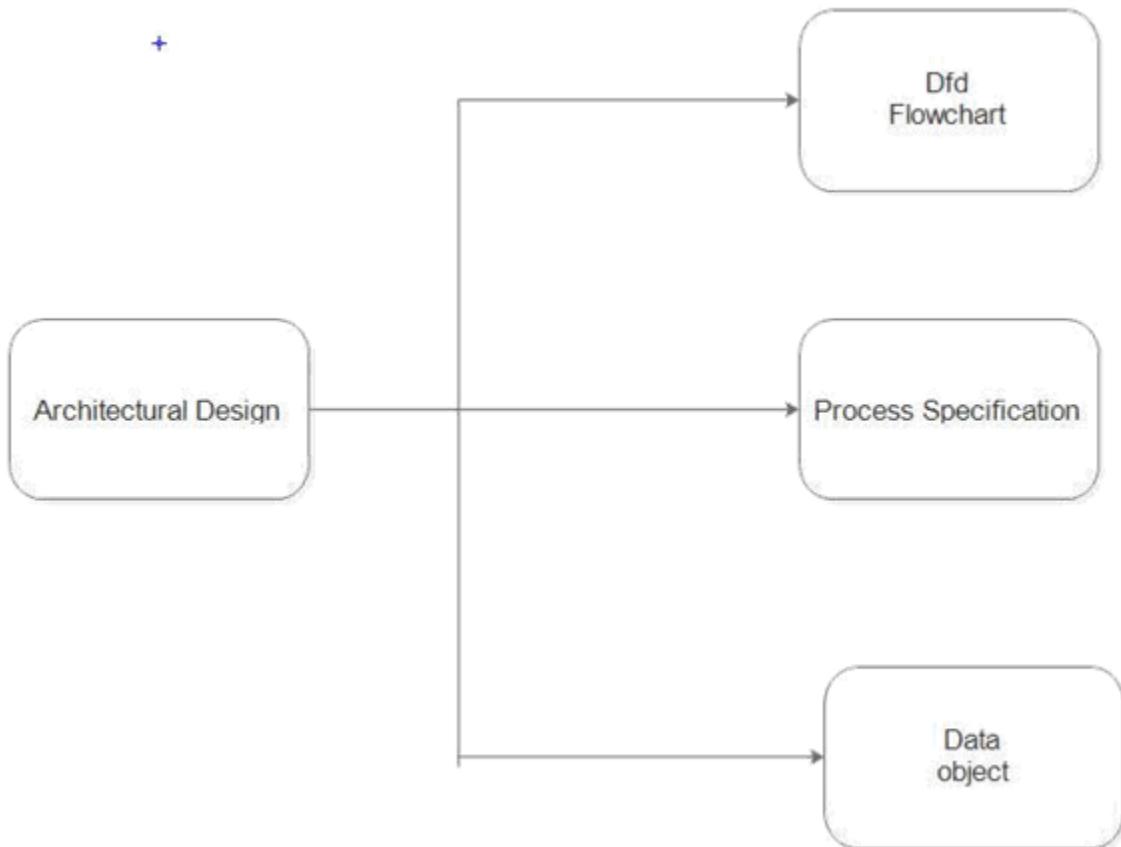
*The advantage of removing transitive dependency is,*

1. Amount of data duplication is reduced.
2. Data integrity achieved.

### 5.3 Architectural Design:-

When you making a design of system, it is more necessary to develop the architectural design of system which is useful for basic flow and the detailed.

The Architectural Design defines the relationships between The Design Pattern and the constraint of the system. It derived from system specification, the analysis model like Flow chart and interaction of subsystem defined in the model.



**Figure 5.3 Architectural Design**

## Architectural with Data Design:-

In this Design we describe all the aspects to relate to external data and entities for the software to be built. Here we consider the data connected resources with our system and connection with the database.

*In Architectural Data Design, we follow the two abstraction:*

➤ **High Level Abstraction (Data Abstraction):-**

Data Abstraction is the collection of data that describes the data objects.

➤ **Architecture with Data Flow:-**

In this Architectural Design consider the Data flows of the system. For Knowing the flow of system we consider some faces of the analysis like Data Flow Diagram and Process specification which gives the detail transaction and transform flow.

➤ **Mapping with Architectural Design:**

Software requirements can be mapped into various representation of data model. The Architectural Design Consider the various mapping flow for developing a good and attractive design of the system.

### 1. Transform Flow:-

In Transform Flow we consider the fundamental system or basic system model as level-0 of Data Flow Diagram. In our system we get and pass the information related to system at the basic level so, here we show the basic level transform flow.

### 2. Transaction Flow:-

Here we consider the detailed information of data flow during the requirement analysis more detailed flow models would be created for the system such as control and process specification, flow diagram and data dictionary.

#### 5.4 Pseudo code:-

##### 1. Pseudo Code for login:-

Set the login page

Input the username and password

If username and password is correct

    Login the user

Else

    Login fail and go to the login page

##### 2 .Pseudo code for form validation:-

Input the field give you in the page

If input field value is correct

    Input value is accept.

Else

    Return to input form

##### 3. Pseudo code for registration:-

Set the register page

Input the required field

If input is correct

    User is register successfully

Else

    Going to again register page

## 5.5 User Interface Design:-

### ➤ Home Page:-

The initial page that is loaded when visitors come to our website.

### ➤ User Dashboard:-

This page will only be viewable to the owner of the profile. It will list historical information about user's activity.

### ➤ Resource Pages:-

About, Services, etc.

## 5.6 Security Issues:-

- ▶ Visitor or user cannot access unauthorized pages.
- ▶ One member cannot access another member data.
- ▶ Login and logout managed.
- ▶ User time duration of logged in session is maintained.
- ▶ Managed all pages linked with each other.

Perform all member security level and perform an authentication and give person account to each member for security purpose.

Managed the bunch of data of a particular member so that it can have the security purpose and keep the data private.

## 5.7 Quality Measures:-

To produce high quality software is a goal to develop the software with all kinds of the satisfaction with user, cost and assurance and also with the developers.

If requirement is not considered or gathered properly then, the lack of the adoption or confirmation to requirement is also lack of quality software first we define and consider the meaningful and useful requirement.

To develop quality software we must compare our software with some known data.

*So far that we measure our software in three different divisions:*

1. Software Operation
2. Software Revision
3. Software Transition

### **1. Software Operation:-**

In these we define the quality with correction, reliability, usability, efficiency and integrity.

In our system, these are many different modules and sub modules that exist and manage their quality we follow as above factors.

#### **a. Correctness:**

If any changes have occurred in our modules, then we can easily correct them. So the qualities of those modules become as usual and will not decrease.

#### **b. Integrity:**

If all the modules are completed successfully, then we can integrate them and manage the quality of all modules.

### **2. Software Revision:-**

In this, we are concerned with those aspects related to modification of the program such as maintainability, testability.

### **3. Software Transition:-**

It deals with the quality factors lie portability, interoperability and reusability.

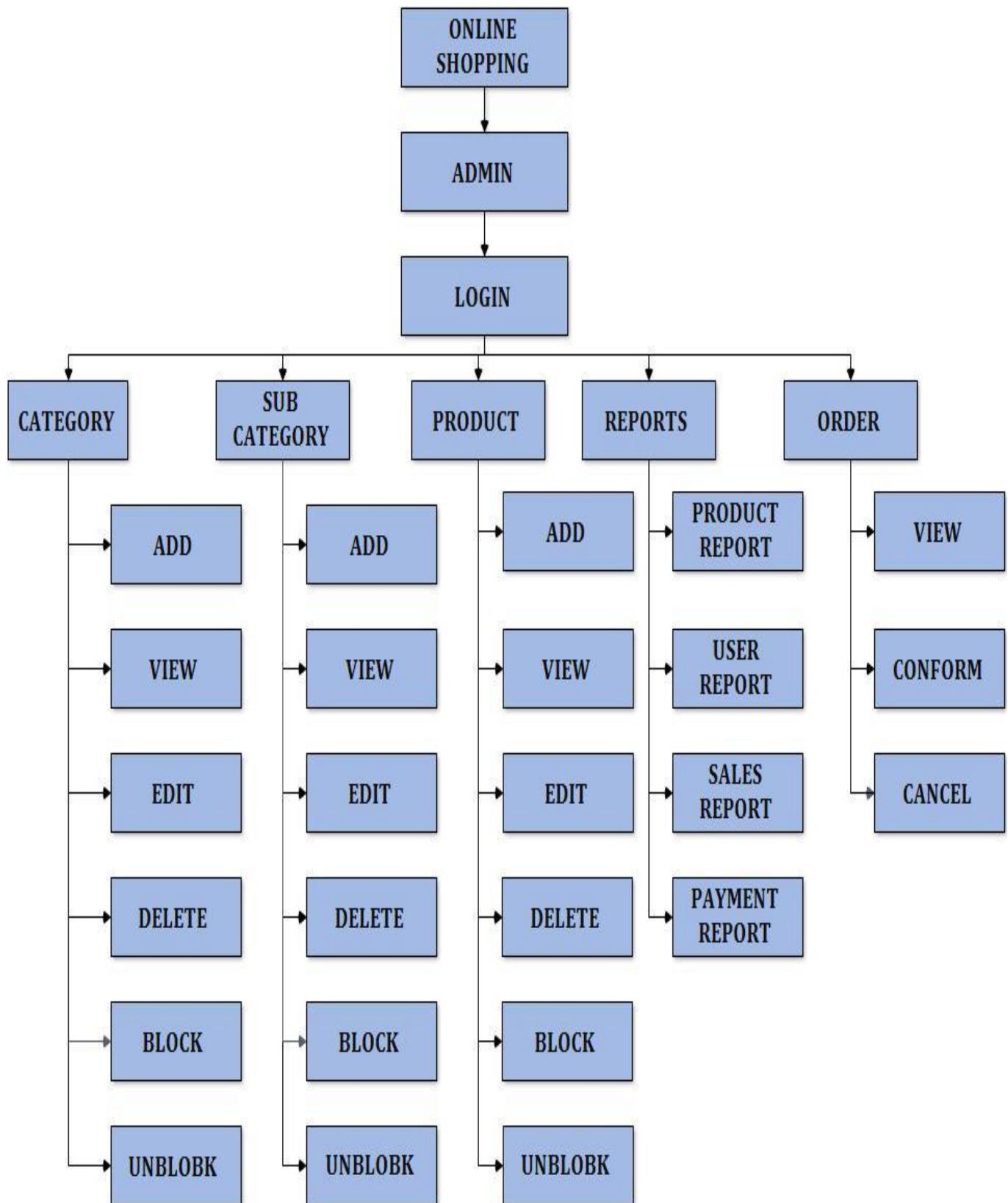
#### **i. Interoperability:**

It is the effort required to couple the system with other system and its relation between two modules.

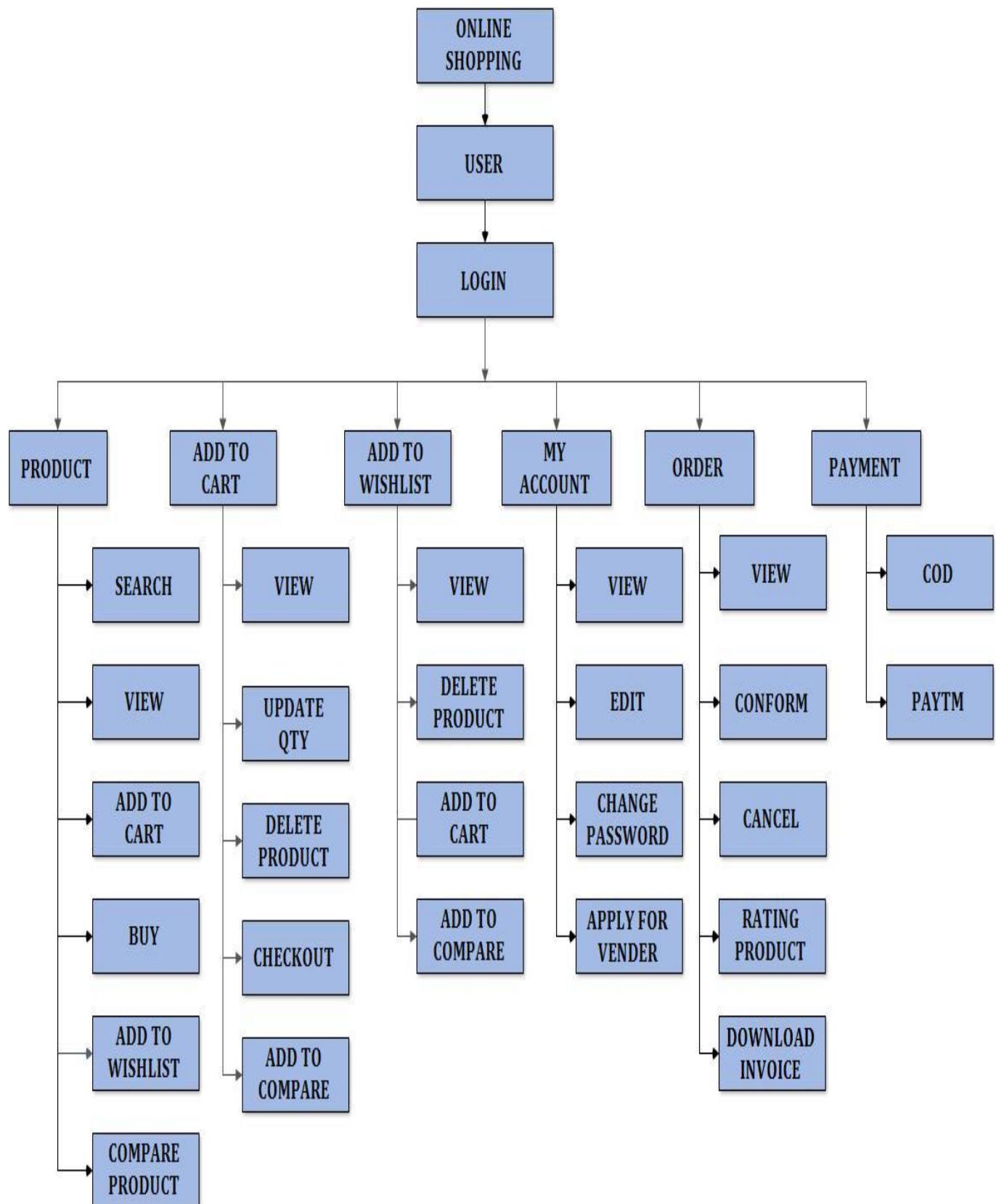
#### **ii. Reusability:**

It is the extent to which parts of software can be reused in other related applications

## 5.8 System Map:-

Admin Side:-

Client Side:-



## Chapter – 6. Software Coding

- 6.1 Tools & Techniques
- 6.2 Result Snapshot
- 6.3 System generated Reports

### 6.1 Tools & Techniques

In each and every System there is need of two different ends to handle the system. Each System requires the main Platform perform all tasks that will appear in system and these tasks will be performed by only Front End.

The main need of taking front end is that all programming that will be perform according to the environment and facility by the opted front end and taking back end is that all database are kept in that base.

In My system (**Inventory Management**) we choose most acceptable technologies to work with and which can provide great community support. In This system there are mainly two factors **Frontend & Backend**.

A **Laravel Framework** used as frontend technology and PHP used as Backend. MS SQL Server Database to store & retrieve data.

### HARDWARE REQUIREMENT

Given below is recommended hardware specification that required at client side to run software.

<b>Processor</b>	I3 Processor
<b>Ram</b>	6 GB RAM
<b>SDD</b>	512 GB Hard Disk

## SOFTWARE REQUIREMENT

Given below is recommended specification of required software to develop the system.

<b>Operating System</b>	Microsoft Windows 10
<b>Front End</b>	Sublime Text 3.2.2
<b>Server</b>	Apache, Wamp Server Version – 2.4.46
<b>Back End</b>	MySQL/phpmyadmin
<b>Tools Used</b>	HTML, CSS, JavaScript, Ajax , Bootstrap, PHP, JQuery
<b>Framework</b>	Laravel Framework Version – 8.79.0 Composer Version – 2.2.4
<b>Compatible Browser</b>	Mozilla Firefox, Google Chrome, etc.

## 6.2 Result Snapshot

### ADMIN:

Admin Login:

Sign in to start your session

jha@gmail.com

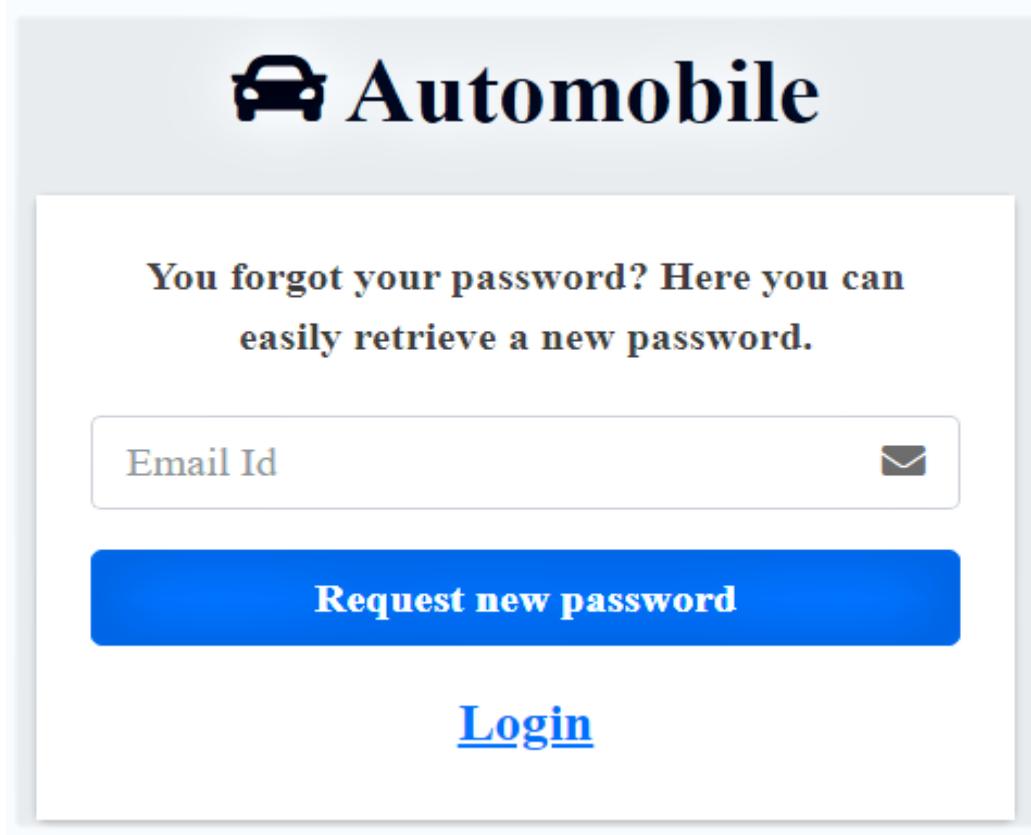
.....

Remember Me

Sign In

I forgot my password

Admin Forgot Password:



**Automobile**

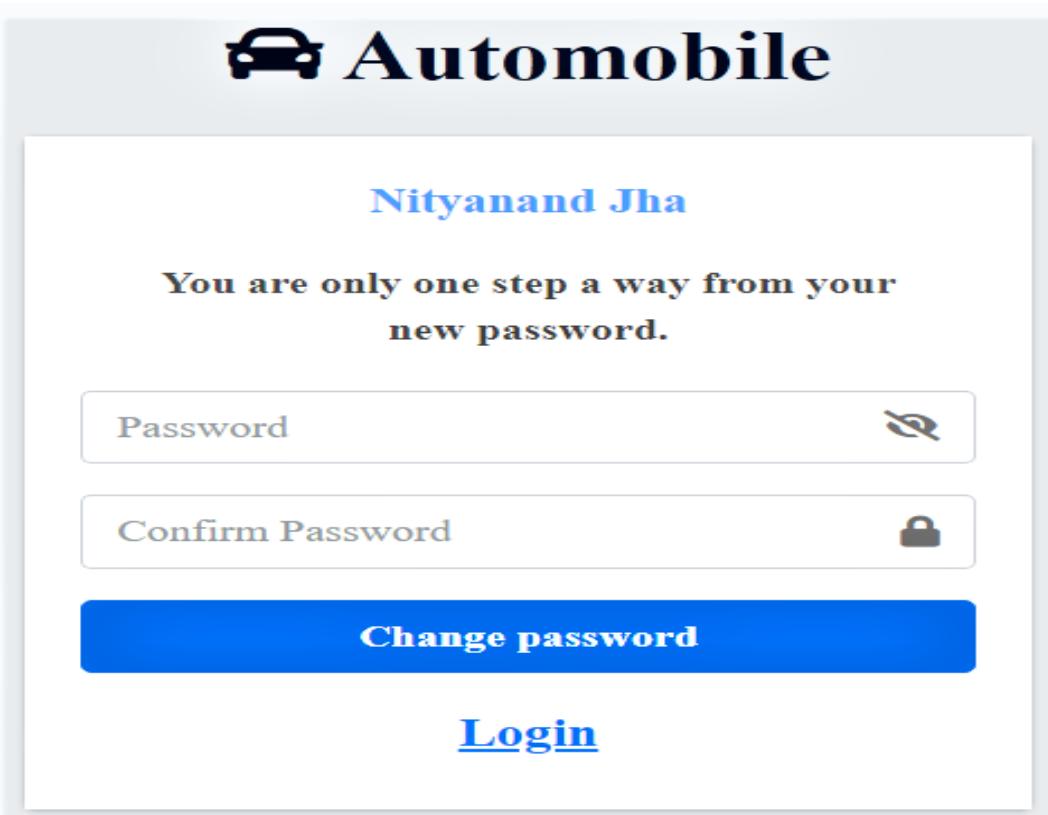
You forgot your password? Here you can easily retrieve a new password.

Email Id  

**Request new password**

**Login**

Admin Recover Password:



**Automobile**

**Nityanand Jha**

You are only one step a way from your new password.

Password  

Confirm Password  

**Change password**

**Login**

## Admin Dashboard:

Home

General Reports

5
Total Products
More info

4
Total Orders
More info

4
Total Users
More info

Order Related Reports

1
Order Received
More info

1
Order Delivered
More info

1
Order Canceled
More info

1
Order Returned
More info

Other Reports

14
Available Brands
More info

4
Product instock
More info

1
Product Outstock
More info

Display Reports in Chart

Pie Chart

Display Chart For BRAND

1/3 ▲ ▼

Pie Chart

Display Chart For ORDER

localhost/automobile-project

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Version 7.5.0

UCCC & SPBCBA & SDHGCBCA & IT COLLEGE

74 | Page

## Display All Product:

Multiple Delete

Add New Product

Show 10 entries

Search:

Copy CSV Excel PDF Print Column visibility ▾

<input type="checkbox"/>	All	Id	Name	Description	Price	Brand	Category	Sub-Category	Image	Status	User Name	Action
<input type="checkbox"/>	1	Motorcycle Front Disc Brake		₹ 1499	Motherson	Two Wheeler	Sport		In Stock	Alpesh Mishra	 	
<input type="checkbox"/>	2	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)		₹ 500	Castrol	Four Wheeler	SUV		In Stock	Alpesh Mishra	 	
<input type="checkbox"/>	3	UltraMile UM 4X4 A/T BULL		₹ 34999	CE AT	Heavy Vehicles	Car Transporter/Car Carrier Trailer		In Stock	Alpesh Mishra	 	
<input type="checkbox"/>	4	Stage 2604C 275W Wired Woofer - Black (Tricycle)		₹ 2999	Varroc	Three Wheeler	Tricycle Motorcycle		Out of Stock	Alpesh Mishra	 	
<input type="checkbox"/>	5	Truck Mirror High Resolution, Tiksha Truck Side Mirror		₹ 4500	TATA	Heavy Vehicles	Car Transporter/Car Carrier Trailer		In Stock	Nityanand Jha	 	

Showing 1 to 5 of 5 entries

Previous 1 Next

## Display Product Images:

[View Product Images](#)

X



[Close](#)

## Display Product Description:

[View Product Description](#)

X

About this item, Power Handling:45Wrms, 270W peak  
Yes, Impedance 4ohms, Sensitivity (@ 2.83V) 91dB,  
Frequency Response 55Hz – 20kHz,

[Close](#)

## Add New Product:

Add New Products

X

**Product Name :**

Product Name

**Description :**

Description

**Price :**

₹ 00.00

**Brand Name :**

Select Brand

**Category Name :**

Select Category

**Sub-Category Name :**

Select Sub-Category

**Product Image :**

Choose files

No file chosen

**Product Status :**

Select Status

Cancel

Add New

## Update Product:

Update Products

X

Product Name :

UltraMile UM 4X4 A/T BULL

Description :

Ultra Mile's UM 4x4 A/T BULL is an all-terrain tire designed to cater to the versatile SUV segment from the mini SUVs to the 4 wheel drive SUV as the tire rim sizes are available in 15 to 20 inches. These all-terrain tires are budget-friendly without compromising on the overall performance. The tires are capable of handling the highways and the off-roads with the ultimate confidence. UM, 4x4 A/T BULL

Price :

34999

Brand Name :

CEAT

Category Name :

Heavy Vehicles

Sub-Category Name :

Car Transporter/Car Carrier Trailer

Product Image :

Choose files

No file chosen



Product Status :

In Stock

Cancel

Update Products

## Order Received:

Received
Delivered
Canceled
Returned

### Order Received Records

Show 10 entries
Search:

Copy
CSV
Excel
PDF
Print
Column visibility ▾

Id ↑↓	Date ↑↓	Customer ↑↓	Product ↑↓	Price ↑↓	Quantity ↑↓	Action ↑↓
4	05 Apr 2022	Nityanand Jha	UltraMile UM 4X4 A/T BULL	34999	4	Delivered

Showing 1 to 1 of 1 entries
Previous
1
Next

## Order Delivered:

### Order Delivered Records

Show 10 entries
Search:

Copy
CSV
Excel
PDF
Print
Column visibility ▾

Id ↑↓	Order Date ↑↓	Customer ↑↓	Product ↑↓	Price ↑↓	Quantity ↑↓	Delivered Date ↑↓	Status ↑↓
3	05 Apr 2022	Nityanand Jha	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	500	4	05 Apr 2022	Success

Showing 1 to 1 of 1 entries
Previous
1
Next

**Order Cancelled:****Order Canceled Records**

Show 10 entries

Search: 
[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility](#)

<b>Id</b> ↑↓	<b>Order Date</b> ↑↓	<b>Customer</b> ↑↓	<b>Product</b> ↑↓	<b>Price</b> ↑↓	<b>Quantity</b> ↑↓	<b>Canceled Date</b> ↑↓	<b>Reason</b> ↑↓
2	05 Apr 2022	Nityanand Jha	Motorcycle Front Disc Brake	1499	3	05 Apr 2022	Just Testing...

Showing 1 to 1 of 1 entries

[Previous](#) [1](#) [Next](#)
**Order Returned:****Order Returned Records**

Show 10 entries

Search: 
[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility](#)

<b>Id</b> ↑↓	<b>Order Date</b> ↑↓	<b>Customer</b> ↑↓	<b>Product</b> ↑↓	<b>Price</b> ↑↓	<b>Quantity</b> ↑↓	<b>Returned Date</b> ↑↓	<b>Reason</b> ↑↓
1	05 Apr 2022	Nityanand Jha	Stage 2604C 275W Wired Woofer - Black (Tricycle)	2999	3	05 Apr 2022	Product Defect...

Showing 1 to 1 of 1 entries

[Previous](#) [1](#) [Next](#)

## Display All Category:

Show  entries
Search: 
[Add New Category](#)

Category Id	Category Name	Action
1	Four Wheeler	
2	Heavy Vehicles	
3	Three Wheeler	
4	Two Wheeler	

Showing 1 to 4 of 4 entries
[Previous](#)
1
[Next](#)

## Add New Category:

Add New Category
X

**Category Name :**

Cancel
Add New

## Update Category:

## Update Category

X

Category Name :

Heavy Vehicles

Cancel

Update Category

## Display All Sub-Category:

Add New Sub-Category

Show 10 entries

Search:

Copy CSV Excel PDF Print Column visibility ▾

Id	Name	Category Name	Action
1	Cement Truck	Heavy Vehicles	 
2	Cruiser	Two Wheeler	 
3	SUV	Four Wheeler	 
4	Hatchback	Four Wheeler	 
5	Sport	Two Wheeler	 
6	Crane Trucks/Mobile Cranes	Heavy Vehicles	 
7	Dump Truck	Heavy Vehicles	 
8	Dirt Dike	Two Wheeler	 
9	Standard	Two Wheeler	 
10	Dual-Purpose	Two Wheeler	 

Showing 1 to 10 of 34 entries

Previous 1 2 3 4 Next

## Add New Sub-Category:

### Add New Sub-Category

X

#### Select Category :

Select Category

#### Sub-Category Name :

Sub-Category Name

Cancel

Add New

## Update Sub-Category:

### Update Sub-Category

X

#### Select Category :

Two Wheeler

#### Sub-Category Name :

Sport

Cancel

Update Sub-Category

## Display All Brands:

[Add New Brands](#)

Show 10 entries

Search:

[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility▼](#)

Brand Id	Brand Name	Brand Logo	Total Products	Action
1	CEAT		1	<a href="#"></a> <a href="#"></a>
2	MRF		0	<a href="#"></a> <a href="#"></a>
3	TATA		1	<a href="#"></a> <a href="#"></a>
4	Castrol		1	<a href="#"></a> <a href="#"></a>
5	Medisize		0	<a href="#"></a> <a href="#"></a>
6	BMW		0	<a href="#"></a> <a href="#"></a>
7	Ford		0	<a href="#"></a> <a href="#"></a>
8	Mahindra		0	<a href="#"></a> <a href="#"></a>
9	WABCO		0	<a href="#"></a> <a href="#"></a>
10	Endurance		0	<a href="#"></a> <a href="#"></a>

Showing 1 to 10 of 14 entries

[Previous](#) [1](#) [2](#) [Next](#)

## Add New Brands:

### Add New Brands

X

#### Brand Name :

#### Brand Logo :

## Update Brands:

### Update Brands

X

#### Brand Name :

#### Brand Logo :



## Display All Admin:

[Add New Admin](#)

Show  entries

Search:

[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility ▾](#)

↑↓	Id ↑↓	Name ↑↓	Gender ↑↓	Mobile Number ↑↓	Email ↑↓	Status ↑↓	Action ↑↓
	1	Nityanand Jha	Male	9016201780	jha@gmail.com	Active	
	2	Alpesh Mishra	Male	9016201780	mishra@gmail.com	In-Active	
	3	Saurabh Updhay	Male	9016201780	updhaya@gmail.com	In-Active	

Showing 1 to 3 of 3 entries

[Previous](#) 1 [Next](#)

## Display All Users:

# All User Records

Show  entries

Search:

[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility ▾](#)

ID ↑↓	Name ↑↓	Gender ↑↓	Email ↑↓	Mobile No. ↑↓	Image ↑↓	City ↑↓	Address ↑↓	Lane ↑↓	Landmark ↑↓
1	Nityanand Jha	Male	jha@gmail.com	9898058049	Empty	3	10 PNH AGAR BOMARA	mangal panday hall	mangal panday hall
2	Sakshi Mohan	Female	sakshi@gmail.com	Empty	Empty	Empty	Empty	Empty	Empty
3	Rakesh Sharma	Male	rakesh@gmail.com	Empty	Empty	Empty	Empty	Empty	Empty
4	Nisha Rajput	Female	nisha@gmail.com	Empty	Empty	Empty	Empty	Empty	Empty

Showing 1 to 4 of 4 entries

[Previous](#) 1 [Next](#)

# All Feedback Records

Show 10 entries

Search: 
[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility ▾](#)

ID	Customer Name	Comment	Action
1	Nityanand Jha	Add More Product	
2	Nityanand Jha	Hello Everyone	
3	Nityanand Jha	Just Testing	

Showing 1 to 3 of 3 entries

[Previous](#) [1](#) [Next](#)

# All Rating Records

Show 10 entries

Search: 
[Copy](#) [CSV](#) [Excel](#) [PDF](#) [Print](#) [Column visibility ▾](#)

ID	Customer Name	Product Name	Rating	Message	Action
1	Nityanand Jha	Motorcycle Front Disc Brake	★★★	I like This Product	
2	Nityanand Jha	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	★★★★	Good Quality Product	
3	Nityanand Jha	Truck Mirror High Resolution , Tiksha Truck Side Mirror	★★	High Cost	

Showing 1 to 3 of 3 entries

[Previous](#) [1](#) [Next](#)

## Display All Payment Types:

**Add New Payment Type**

Payment Type Name :

Cancel
Add New

Show  10 ▼ entries Search:

Copy
CSV
Excel
PDF
Print
Column visibility ▾

PayType Id	Payment Type	Action
1	G-Pay	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>
2	Phone Pay	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>
3	Paytm	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>
4	Amazon Pay	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>
5	Bhim (upi)	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>
6	Bharat Pay	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>
7	Cash On Develary	<span style="color: green; border: 1px solid green; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">edit</span> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px 5px; margin: 0 5px;">delete</span>

Showing 1 to 7 of 7 entries Previous 1 Next

## Update Payment Type:

### Update Payment Type

X

**Payment Type Name :**

Cancel
Update Payment Type

## Display All City's:

### Add New City

City Name :




Show 10 entries

Search:

City Id	City Name	Total User	Action
1	Mumbai	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
2	Delhi	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
3	Surat	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
4	Ahemdabad	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
5	Lucknow	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
6	Kolkata	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
7	Banglor	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
8	Patna	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
9	Indor	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
10	Puna	0	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 10 of 12 entries

## Update City:

### Update City

City Name :

**USERS:**

User Register Page:



**Register a New Membership**

**Name :**

 A small icon of a person's head and shoulders.

**Email :**

 A small icon of an envelope with a 'm' inside.

**Gender :**

 Male  Female  Other A small icon of a person's head and shoulders.

**Password :**

 A small icon of an eye with a magnifying glass.

**Status :**

 A small icon of a person's head and shoulders.

**Confirm Password :**

 A small icon of a padlock.

**I agree to the terms**

**Cancel** **Register**

**I Already have a Membership**

User Login:



**Sign in to start your session**



**Remember Me**

**Sign In**

**Register a New Membership**

**I Forgot my Password**

User Forgot Password:



You forgot your password? Here you can  
easily retrieve a new password.



**Request new password**

**Login**

User Recover Password:



Nityanand Jha

You are only one step a way from your  
new password.

Password



Confirm Password



**Change password**

[Login](#)

Home Page:

HOME SHOP ABOUT US FEEDBACK CONTACT US My Account

Find Your Product...

CAR, TRUCK, CUV & SUV TIRES

# WHEELS & TIRES

Sale up to 20% off

READ MORE



#### Free Shipping

Free shipping on all US order



#### 100% Money Back

You have 30 days to Return



#### Payment Secure

We ensure secure payment



#### Support 24/7

Contact us 24 hours a day



#### 90 Days Return

If goods have problems

## Shop By Brands

Castrol

Motherson

Varroc

C E A T

T A T A

## Products



Stage 2604C 275W Wired Woofer - Black (Tricycle)

₹ 2999.00

## New Arrivals Products



## Shop By Category

Three Wheeler

Four Wheeler

Heavy Vehicles

Two Wheeler



Call Us: +91 9916201788

Email: nityanandjha2020@gmail.com



#### INFORMATION

About Us  
Contact Us

#### CUSTOMER SERVICE

Cart Product  
Wish List

#### MY ACCOUNT

My Account  
Order History

## Wish List Page:

Remove	Sr. No.	Images	Product	Unit Price	Stock Status	Add To Cart
	1		Stage 2604C 275W Wired Woofer - Black (Tricycle)	₹ 2999.00	Out of Stock	<a href="#" style="border: 1px solid green; padding: 2px 5px;">add to cart</a>
	2		UltraMile UM 4X4 A/T BULL	₹ 34999.00	In Stock	<a href="#" style="border: 1px solid green; padding: 2px 5px;">add to cart</a>
	3		Full Synthetic Engine Oil For Petrol, Diesel And CNG Cars (3L)	₹ 500.00	In Stock	<a href="#" style="border: 1px solid green; padding: 2px 5px;">add to cart</a>
	4		Motorcycle Front Disc Brake	₹ 1499.00	In Stock	<a href="#" style="border: 1px solid green; padding: 2px 5px;">add to cart</a>

## Cart Product Page:

Remove	Sr. No.	Images	Product	Unit Price	Quantity	Total	Update
	1		Motorcycle Front Disc Brake	₹ 1499.00	1	₹ 1499.00	<input checked="" type="checkbox"/>
	2		Full Synthetic Engine Oil For Petrol, Diesel And CNG Cars (3L)	₹ 500.00	1	₹ 500.00	<input checked="" type="checkbox"/>
	3		Truck Mirror High Resolution , Tiksha Truck Side Mirror	₹ 4500.00	1	₹ 4500.00	<input checked="" type="checkbox"/>

### Cart Totals

Total Product :	3
Total Price :	₹ 6499.00

[Proceed to checkout](#)

## Category Page:

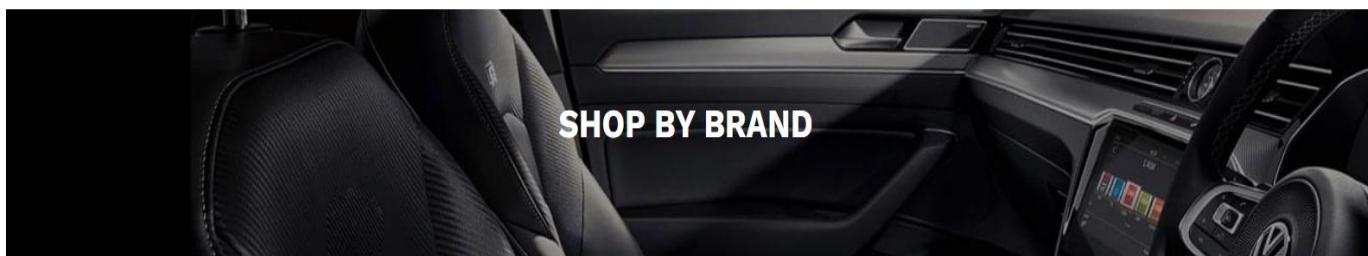


### Four Wheeler

Castrol EDGE  
Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)  
₹ 500.00

### Two Wheeler

## Brands Page:



### Castrol

Castrol EDGE  
Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)  
₹ 500.00

### Varroc

## User Profile Page:

ACCOUNT DETAILS

PROFILE

CHANGE PASSWORD

ADDRESSES

LOGOUT

User Name : \*

Email : \*

Mobile Number : \*

Status : \*

**SAVE CHANGES**

ACCOUNT DETAILS

PROFILE

CHANGE PASSWORD

ADDRESSES

LOGOUT

Profile Picture : \*



Choose an image file or drag it here.

Gender : \*

Male  Female  Other

**SAVE CHANGES**

ACCOUNT DETAILS

PROFILE

**CHANGE PASSWORD**

ADDRESSES

LOGOUT

## CHANGE PASSWORD

Old Password : \*

Password : \*

Confirm Password : \*

**SAVE CHANGES**

ACCOUNT DETAILS

PROFILE

CHANGE PASSWORD

**ADDRESSES**

LOGOUT

The following addresses will be used on the checkout page by default.

## BILLING ADDRESS

Address : \*

Landmark : \*

Lane : \*

City : \*

▼

Pincode : \*

**SAVE CHANGES**

## Order Summary:

Sr. No.	Order Date & Time	Product Name	Product Price	Quantity	Total Price	Status	Action
1	05 Apr 2022 10:51 AM	UltraMile UM 4X4 A/T BULL	₹ 34999.00	4	₹ 139996.00	Pending	<span style="border: 1px solid red; padding: 2px;">Cancelled</span>
2	05 Apr 2022 10:48 AM	Full Synthetic Engine Oil For Petrol, Diesel And CNG Cars (3L)	₹ 500.00	4	₹ 2000.00	Delivered	<span style="border: 1px solid blue; padding: 2px;">Returned</span>
3	05 Apr 2022 10:34 AM	Motorcycle Front Disc Brake	₹ 1499.00	3	₹ 4497.00	Canceled	<span style="border: 1px solid red; padding: 2px;">Deleted</span>
4	05 Apr 2022 10:28 AM	Stage 2604C 275W Wired Woofer - Black (Tricycle)	₹ 2999.00	3	₹ 8997.00	Returned	<span style="border: 1px solid red; padding: 2px;">Deleted</span>

## Feedback Page:

### Feedback :

Feedback

save Feedback

Back

## About Us Page:



### WELCOME TO AUTO-PART'S STORE!

We Provide Lorem ipsum, dolor sit amet consectetur adipisicing elit. Repudiandae nisi fuga facilis, consequuntur, maiores eveniet voluptatum, omnis possimus temporibus aspernatur nobis animi in exercitationem vitae nulla! Adipisci ullam illum quisquam. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolorem, nulla veniam? Magni aliquid asperiores magnam. Veniam ex tenetur.

[Shop Now](#)**4**

Total Users

**5**

Total Products

**4**

Total Orders

**4**

Happy Customer

## Contact Us Page:

### Contact Us

#### Address

13, opp. arihant complex, near guru krupa school,

Harinagar, Udhna, Surat, Gujarat 394210

#### Phone

Mobile: 09016255540      Mobile: 09376107608

Mobile: 09662893535      Mobile: 09328680789

#### WhatsApp

+91 9016201780

#### Email

nityanandjha13578@gmail.com

#### Business Hours

Monday: 9:00 AM – 10:00 PM      Tuesday: 9:00 AM – 10:00 PM  
Wednesday: 9:00 AM – 10:00 PM      Thursday: 9:00 AM – 10:00 PM  
Friday: 9:00 AM – 10:00 PM      Saturday: 9:00 AM – 05:00 PM

## Single Product Page:



### Motorcycle Front Disc Brake

★★★

Brands : Motherson

Category : Two Wheeler

Sub-Category : Sport

Availability : In Stock

Price : ₹ 1499.00

Product Code : # 1

Quantity



[DESCRIPTION](#) — [REVIEWS \(1\)](#)

#### Name:

Motorcycle Front Disc Brake

#### Description:

Motorcycle Front Disc Brake Caliper Assembly Compatible for TVS Apache RTR (All Models) BS4 Brake Caliper

## Product Review:

[DESCRIPTION](#) — [REVIEWS \(1\)](#)

### Write a review

Share your opinion

Your Rating

★★★★★

[CONTINUE](#)

Nityanand Jha

I like This Product

★★★★

## Search Page:

### CATEGORIES

- Four Wheeler
- Heavy Vehicles
- Three Wheeler
- Two Wheeler

2 3 ■

### SUB-CATEGORIES

- Sport
- SUV
- Car Transporter/Car Carrier Trailer
- Tricycle Motorcycle
- Car Transporter/Car Carrier Trailer

### BRAND

- C E A T
- M R F
- TATA
- Castrol
- Medisize
- B M W
- Ford
- Mahindra
- W A B C O
- Endurance
- Varroc
- Motherson
- Hero
- Honda



★★★

Motorcycle Front Disc Brake

Price : ₹ 1499.00



★★★★

Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)

Price : ₹ 500.00



★★

Stage 2604C 275W Wired Woofer - Black (Tricycle)

Price : ₹ 2999.00



★★★

Truck Mirror High Resolution , Tiksha Truck Side Mirror

Price : ₹ 4500.00

## Checkout Page:

## BILLING DETAILS

Customer Name : \*

Nityanand Jha

Email Id : #

jha@gmail.com

Mobile Number : \*

9898058049

Address : \*

10 PNH AGAR BOMARA

City : \*

Surat

Lane : \*

mangal panday hall

Landmark : \*

mangal panday hall

Pincode : \*

394210

## YOUR ORDER

PRODUCT      UNIT PRICE(₹)      QUANTITY      TOTAL PRICE(₹)

Full Synthetic Engine	₹ 500.00	2	₹ 1000.00
Oil for Petrol, Diesel and CNG Cars (3L)			

Order Total	₹ 1000.00
-------------	-----------

## Payment Type

Select Payment Type

PLACE ORDER

## 6.3 System generated Reports

A truly reliable system has many reports to fulfil user requirement to get require data from system.

*There can be different types of reports such as:*

1. Invoice.
2. All Product Reports.
3. All Order Reports.
4. All User Reports.
5. All Order Received Reports.
6. All Order Delivered Reports.
7. All Order Cancelled Reports.
8. All Order Returned Reports.
9. All Brand Reports.
10. Product In-Stock Reports.
11. Product Out-of-Stock Reports.

## 1. Invoice Reports:

Invoice

Date : 19 Apr 2022

Order ID : ##00 17

From

Inventory Management  
375 , abc Place ,  
Landmark : Sky Tower ,  
982545 ,  
Surat, Gujarat

To

Nityanand Jha  
9898058049 , jha@gmail.com  
10 PNH AGAR BOMARA ,  
Landmark : mangal panday hall ,  
Surat , 394210

### Order Summary

Sr. No.	Product	Quantity	Price	Sub-Total
1	Full Synthetic Engine Oil for Petrol	2	Rs. 500.00	Rs. 1000.00
2	Diesel and CNG Cars (3L)	3	Rs. 4500.00	Rs. 13500.00
3	Truck Mirror High Resolution	1	Rs. 1499.00	Rs. 1499.00

Management

Billing

Signature By  
Inventory Management

Total Product : 5  
Total Quantity : 6  
Total Amount : Rs. 15999.00

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19 Apr 2022 21:07

## 2. All User Reports:

Customer Reports

Date : 18 Apr 2022

### All Customer Reports

Sr. No.	Name	Gender	Email	Status
1	Nityanand Jha	Male	jha@gmail.com	Active
2	Sakshi Mohan	Female	sakshi@gmail.com	Active
3	Rakesh Sharma	Male	rakesh@gmail.com	Active
4	Nisha Rajput	Female	nisha@gmail.com	Active
5	VIDYANAND JHA	Male	jha@gmail.comqq	In-Active
6	VIDYANAND JHA	Male	jha11@gmail.com	In-Active

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## 3. All Product Reports:

Product Reports

Date : 18 Apr 2022

### All Product Reports

Sr. No.	Name	Brand	Category	Sub-Category	Price	Status	Uploaded By
1	Motorcycle Front Disc Brake	Motherson	Two Wheeler	Sport	1499	In Stock	Alpesh Mishra
2	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	Castrol	Four Wheeler	SUV	500	In Stock	Alpesh Mishra
3	UltraMile UM 4X4 A/T BULL	C E A T	Heavy Vehicles	Car Transporter/Car Carrier Trailer	34999	In Stock	Alpesh Mishra
4	Stage 2604C 275W Wired Woofer - Black (Tricycle)	Varroc	Three Wheeler	Tricycle Motorcycle	2999	Out of Stock	Alpesh Mishra
5	Truck Mirror High Resolution , Tiksha Truck Side Mirror	T A T A	Heavy Vehicles	Car Transporter/Car Carrier Trailer	4500	In Stock	Nityanand Jha

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## 4. All Order Reports:

Order Reports

Date : 18 Apr 2022

### All Order Reports

Sr. No.	Product Name	Quantity	Price	Total Price	Status	Customer Name
1	Stage 2604C 275W Wired Woofer - Black (Tricycle)	3	2999	8997	Returned	Nityanand Jha
2	Motorcycle Front Disc Brake	3	1499	4497	Canceled	Nityanand Jha
3	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	4	500	2000	Delivered	Nityanand Jha
4	UltraMile UM 4X4 A/T BULL	4	34999	139996	Pending	Nityanand Jha

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## 5. Order Received Reports:

Order Received

Date : 19 Apr 2022

### Order Received Reports

Sr. No.	Product Name	Quantity	Price	Total Price	Date	Customer Name
1	UltraMile UM 4X4 A/T BULL	4	34999	139996	05 Apr 2022 (10:51 pm)	Nityanand Jha
2	Truck Mirror High Resolution , Tiksha Truck Side Mirror	1	4500	4500	18 Apr 2022 (10:20 pm)	Nityanand Jha
3	Motorcycle Front Disc Brake	1	1499	1499	18 Apr 2022 (10:20 pm)	Nityanand Jha
4	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	1	500	500	18 Apr 2022 (10:20 pm)	Nityanand Jha
5	Motorcycle Front Disc Brake	1	1499	1499	18 Apr 2022 (10:20 pm)	Nityanand Jha
6	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	2	500	1000	19 Apr 2022 (09:04 pm)	Nityanand Jha

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## 6. Order Delivered Reports:

Order Delivered

Date : 19 Apr 2022

### Order Delivered Reports

Sr. No.	Product Name	Quantity	Price	Total Price	Date	Customer Name
1	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	4	500	2000	05 Apr 2022 (10:48 pm)	Nityanand Jha
2	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	1	500	500	18 Apr 2022 (10:20 pm)	Nityanand Jha
3	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	2	500	1000	19 Apr 2022 (09:07 pm)	Nityanand Jha

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## 7. Order Cancelled Reports:

Order Canceled

Date : 19 Apr 2022

### Order Canceled Reports

Sr. No.	Product Name	Customer Name	Region	Date
1	Motorcycle Front Disc Brake	Nityanand Jha	Just Testing...	05 Apr 2022 (10:35 pm)

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## 8. Order Returned Reports:

Order Returned

Date : 19 Apr 2022

### Order Returned Reports

Sr. No.	Product Name	Customer Name	Region	Date
1	Stage 2604C 275W Wired Woofer - Black (Tricycle)	Nityanand Jha	Product Defect...	05 Apr 2022 (10:33 pm)

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## 9. All Brands Reports:

Brand Reports

Date : 19 Apr 2022

## All Brand Reports

Sr. No.	Name	LOGO	Total Products
1	CEAT		1
2	TATA		1
3	Castrol		1
4	Varroc		1
5	Motherson		1
6	MRF		0
7	Medisize		0
8	BMW		0
9	Ford		0
10	Mahindra		0

## 10. Product In Stock Reports:

Product In Stock

Date : 19 Apr 2022

### Product In Stock Reports

Sr. No.	Name	Images	Description	Uploaded By
1	Motorcycle Front Disc Brake	 	Motorcycle Front Disc Brake Caliper Assembly Compatible for TVS Apache RTR (All Models) BS4 Brake Caliper	Alpesh Mishra
2	Full Synthetic Engine Oil for Petrol, Diesel and CNG Cars (3L)	 	Viscosity 5W-30 , Liquid Volume 3000 Millilitres , About this item , Full synthetic engine oil provides Non-Stop protection from every start, even for vehicles with modern stop-start technology DUALSHOCK Technology delivers 50% better protection from warm-up1 and stop-start2 wear Up to 60L annual fuel saving3 during busy stop-start driving, Cling to engine parts when the oil drains down	Alpesh Mishra
3	UltraMile UM 4X4 A/T BULL	 	Ultra Mile's UM 4x4 A/T BULL is an all-terrain tire designed to cater to the versatile SUV segment from the mini SUVs to the 4 wheel drive SUV as the tire rim sizes are available in 15 to 20 inches. These all-terrain tires are budget-friendly without compromising on the overall performance. The tires are capable of handling the highways and the off-roads with the ultimate confidence. UM, 4x4 A/T BULL tires are known for the high mileage and handling potential exhibited both on and off roads.	Alpesh Mishra
4	Truck Mirror High Resolution , Tiksha Truck Side Mirror	 	Truck Mirror High Resolution, Mirror For Busses and trucks, High Quality, Export Quality, Size - Standard, Material - CASTING, Vehicle Service Type - Truck,	Nityanand Jha

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## 11. Product Out of Stock Reports:

Product Out of Stock

Date : 19 Apr 2022

### Product Out of Stock Reports

Sr. No.	Name	Images	Description	Uploaded By
1	Stage 2604C 275W Wired Woofer - Black (Tricycle)		About this item, Power Handling:45Wrms, 270W peak Yes, Impedance 4ohms, Sensitivity (@ 2.83V) 91dB, Frequency Response 55Hz – 20kHz,	Alpesh Mishra

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## Chapter – 7. Software Testing

- 7.1 Test Cases & Test Data Design
- 7.2 Output Comparison
- 7.3 Testing Strategies
- 7.4 Unit Testing
- 7.5 Integration Testing
- 7.6 System Testing
- 7.7 Alpha Testing

### 7.1 Test cases & Test Data Design

I use many types of testing to improve the quality of my system and develop an acceptable system by the client. For the client satisfaction I do validation, verification and many more testing.

But implement all these testing first I should know how to develop the testing. Therefore, to improve the testing I use two important parts for testing.

#### Test Case:

Test Case is one kind of a formal discussion of predefine documentation at the analysis phase. It is not used as a practical testing. It is only a theoretical discussion. In this I discusses following:

#### 1. A Starting Stage:

In which I discuss the requirements of customer and checks that all information which was define at analysis phase is full fill or not. I discusses all basis requirements related to Discussion is match with document or not.

#### 2. Event and Module to which Software must Response:

Here I discusses that all events or modules which I developed, are accept the all inputs and data which user wants to puts and data which are useful for that module or not. In my system I checks that the inputted data for registration, service booking, and test drive booking are related to those entire event or not.

#### 3. Expected Output For Ending Stage:

At this stage I do discusses about the expected output of the all events and modules. I check that all output and results are matched with all requirement of the client or not. In my system I discuss that Search modules, View Reports module, View User module, etc. produces the resultant output or not.

#### 4. Things which are useful for Test Cases:

Analysis phase documentation is very useful when I preparing Test Case. My Online Discussion Forum System is Object Oriented so I used Data Flow Diagram for preparing Test Case.

## Test Data Design:

Test Data is also a part of the developing the testing. Here I do not discuss any theoretical concept or topic. Here I performed many different testing as a practical form.

In test data, I generally used some validation and verification on data and check all these validation practically and match the constraints with documentation. I use test data in my system for check the all constrain related to my system like:

User's Post Date is not less than User's Registration Date

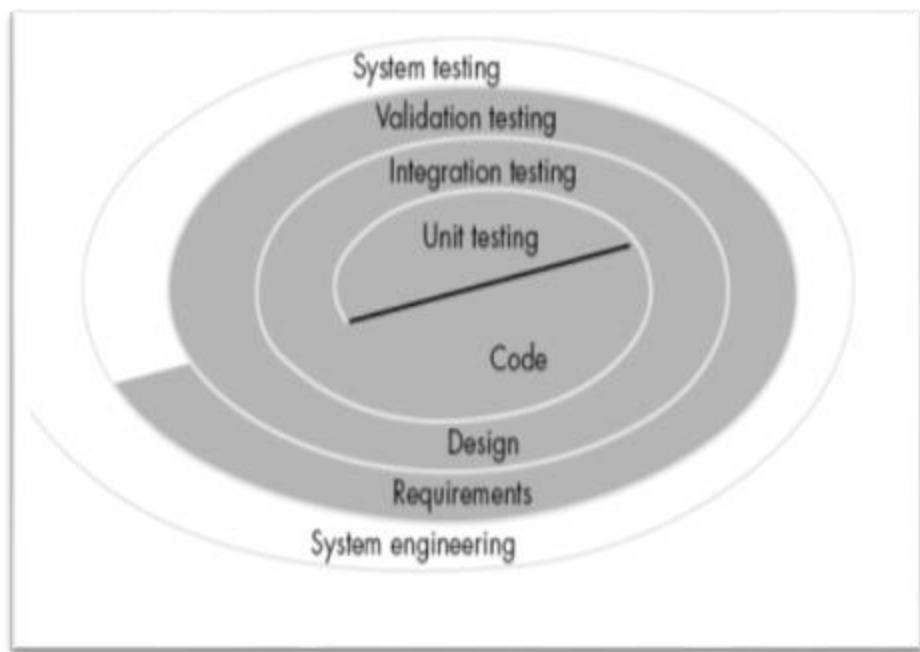
## 7.2 Output Comparison

With an integrated system that includes ERP, financials, commerce, inventory management, HR, PSA, supply chain management, CRM and more – NetSuite enables fast-growing businesses across all industries to work more effectively by automating core processes and providing real-time insights into operational and financial performance.

## 7.3 Testing Strategies

Testing strategies are very useful for performing the different types of testing in the system. It shows the way that how can we use different testing (unit testing, integration testing, validation testing, system testing) with the different phases of software engineering (Coding, Designing, Requirement, Whole system).

The software engineering process may be viewed as the spiral illustrated in Figure, system engineering defines the role of software and leads to software Requirements Analysis, where the information domain, function, behaviour, performance, Constraints and validation criteria for software are established.



A strategy for software testing may also be viewed in the context of the spiral. Unit testing begins at the vortex of the spiral and concentrates on each unit (i.e., component) of the software as implemented in source code.

Testing progress is moving outward along the spiral to *integration testing*, where the focus is on design and the construction of the software architecture. Taking another turn outward on the Spiral, I encounter *validation testing*, where requirements established as part of Software requirements Analysis are validated against the software that has been constructed.

Finally, I arrive at system testing, where the software and other system elements are tested as a whole. To test computer software, I spiral out along streamlines that broaden the scope of testing with each turn.

## 7.4 Unit Testing

Unit testing focuses effort on the smallest unit of software component or module. Using the component-level design description as a Guide, important control paths are tested to uncover errors within the boundary of the module. The relative complexity of tests and uncovered errors is limited by the constrained scope established for unit testing. The unit test is white-box oriented, and the step can be conducted in parallel for multiple components.

*I performed Unit testing in my system to for test of small modules.*

Unit testing can be performed from the bottom-up, Starting with smallest and lower level modules and proceeding one at a time, for each module in bottom-up testing a short program is used to execute the module and provide the needed data, so that module is asked to perform the way it will when embedded within the larger system.

With Unit testing I generally performed the white box testing in my all modules. In these all modules I check all coding and syntax of modules. So that unit testing is useful in my system.

## 7.5 Integrated Testing

Integration Testing is a systematic technique for constructing the program structure while at the same time conducting the tests to uncover errors associated with interfacing. In these I am combining all the Unit modules and test these all at the same time.

In my system I integrate all the modules and performed the integration testing on all those.

In my system, I used two techniques in Integration Testing:

- **Top down Integration:**

Combine the test and debug top level routines that become the integration test harness for low level units.

- **Bottom - Up Integration:**

**Bottom-Up** integration testing begins construction and testing with atomic modules. Because components are integrated from the bottom up, processing required for components subordinate to a given level is always available and the need for stubs is eliminated.

**A Bottom-Up integration strategy may be implemented with the following steps:**

1. Low-level components are combined into clusters that perform a specific software sub function.
2. A driver (a control program for testing) is written to coordinate test case input and output.
3. Drivers are removed and clusters are combined moving upward in the program structure.

## 7.6 System Testing

In this testing I take the requirements document as a reference to see whether the software meets all its requirements, goal or not. The objective of the system testing is to promote software functionality, reliability and maintainability.

System testing is used where the software and the other system elements are tested as a whole. It comes at the top level of the testing which is done after completion of different sub testing such as unit testing, integration testing, validation testing. System testing is actually a series of different tests whose primary purpose is to fully exercise computer based system.

In these I use sub testing which verify that system elements have been integrated and performed allocated function or not.

I used some testing in my system such as:

### **Recovery Testing:**

In this system testing I verify that if any failure occurred in my system then its recover proper or not.

### **Security Testing:**

In this testing, I attempt to verify that protection mechanism of my system. In my system I check the security such as login and password security. If any user want to access system deep information and want to use system services then he/she must have to be login and other user can't access or see the information of the another user.

## 7.7 Alpha Testing

Alpha testing is one of the most common system testing strategies used in system development. It's specially used by product development organizations.

- This test takes place at the developer's site. Developers observe the users and note problems.
- Alpha testing is testing of an application when development is about to complete. Minor design changes can still be made as a result of alpha testing.
- Alpha testing is typically performed by a group that is independent of the design team, but still within the company, e.g. in-house software test engineers, or software QA engineers.
- Alpha testing is final testing before the system is released to the general public. It has two phases:
- In the first phase of alpha testing, the system is tested by in-house developers. They use either debugger software, or hardware-assisted debuggers. The goal is to catch bugs quickly.
- In the second phase of alpha testing, the system is handed over to the system QA staff, for additional testing in an environment that is similar to the intended use.

Alpha testing is simulated or actual operational testing by potential users/customers or an independent test team at the developers' site. Alpha testing is often employed for off-the-shelf software as a form of internal acceptance testing, before the system goes to beta testing.

## Chapter – 8. Software Implementation

### 8.1 User Training

#### 8.2 User Manual

### 8.1 User Training

User Training is designed to prepare the user for testing and converting the system. User involvement and training take place parallel with programming for *three* reasons:

1. The System group has time available to spend on training while the programs are being written.
2. Initiating a user training program gives the system group a clearer image of the user's interest in the new system.
3. A trained user participates more effectively in the system testing.

The training programme should be planned & organized.

#### Training Programmer should:

1. Identify the user & trainer's needs
2. Design a comprehensive training programmed.
3. Select the best method of instruction
4. Determine whether the system meet the objectives

### 8.2 User Manual

A user manual is a document provided to a user that helps in using a particular system, product or service seamlessly. It is also known as an instruction manual or a user guide. Such documents cover detailed information around operations, standards & guidelines, troubleshooting guides, functionalities & more.

User manuals are hugely important for users seeking to understand products and processes. Sometimes they will even be legally required for a company to sell its products to customers.

Customers will often turn to your user manual before reaching out to your customer support team, so your manual has the potential to save you money on support costs.

It's worth investing significant time and effort in your user manual so you can provide the best customer experience possible. In this post, we'll look at the definition of a user manual, best practices for how to write one, and some examples of software you can use to write your manual.

## Chapter – 9. Limitations / constraint

Each and every system has some limitations that can restrict them to work on a particular environment.

Through my system is provided high amount of accuracy and quick data generation there is still some limitations that led me to in greater deficiency to work on that system.

*Some of the limitation that is observed during all the process is mentioned below.*

- GUI (Graphical User Interface) is required.
- We use PayPal system for money transaction so we cannot maintain user side Bank Account or Bank Related Information.

### Constraints:

The constraints associated in the development of any software system include those that are common to all systems and constraints specific to the system. The common constraints may include lack of managerial participation, tight development schedule, frequent change in requirements of the management, etc. We have also experienced similar types of constraints listed above and others. Some of the constraints are listed below with which we have developed this system.

- It is a general system and hence there is unique from layout and format.
- Number of users depends on hosting environment and server configuration.

## Chapter – 10. Enhancement / Path-Ahead

My System is efficient but still I can add another new feature in future as need arise means my system is flexible that if I needed in future I can increase or add that requirements to my system and can extend the work to my system.

## Chapter – 11. Bibliography / Appendix

- <https://codewithmosh.com/> ( Tutor )
- <https://laravel.com/> (Framework)
- <https://www.amazon.in/> (Product Upload)
- <https://www.w3schools.in/> (For Code Testing)
- <https://stackoverflow.com/> ( For error Resolving )
- <https://github.com/valor-software/ng2-file-upload> ( third party library)
- <https://adminlte.io/> (Admin Side Theme)
- <https://ng-bootstrap.github.io/> (Client Side theme)
- <https://getbootstrap.com/> (Use For Pop-up Model)
- <https://jquery.com/> (JQuery Library)

**THANKING  
YOU**