PGDAC 0922 – PROJECT DOCUMENT(SRS) SUBMISSION- Part I

Doc. Name	**SOFTWARE REQUIREMENT SPECIFICATION –**		
Project Title	**Infra Bazaar**		
Doc. No.		Group No.=	**6**

Functional designation of approving authority	**Project Guide Name: Hema Ma'am**	Functional designation of issuing authority	**Project Leader Name: FUNDE PANDURANG GAHININATH**

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Approved By :
(Hema Mam)

Date of approval: _ _ / _ _/ _ _ _ _

Abstract

Title : Infra Bazaar

The Infra Bazaar system permits a customer to place online orders for items and/or services from a store that serves both walk-in customers and online customers. The Infra Bazaar system presents an online display of an order cut off time and an associated delivery window for items selected by the customer. The system accepts the customer's submission of a purchase order for the item in response to a time of submission being before the order cut off time. The Infra Bazaar system does not settle with a credit supplier of the customer until the item selected by the customer is picked from inventory but before it is delivered. Therefore, the customer can go online and make changes tothe order.

In addition, available service windows are presented to the customer as a function of customer selected order and service types and further, the order picking is assigned in accordance with a picker's preference. When ordering goods, many shopping systems provide a virtual shopping cart for holding items selected for purchase. Successive items selected for purchase are placed into the virtual shopping cart until a customer completes their shopping trip. Virtual shopping carts may be examined at any time, and their contents can be edited or deleted at the option of the customer. Once the customer decides to submit a purchase order, the customer may print the contents of the virtual shopping basket in order to obtain a hard copy record of the transaction.

Existing system: Existing system will contain Construction Equipment's, Building Materials, Safety Materials and services like Valuation.

Proposed System: Better payment methods, efficient shopping cart usability while selecting materials, services. Managing delivery system efficiently and auction for machineries.

Technologies

Front end=Html, CSS, Bootstrap.

backend= JAVA Spring Boot , Database-MySQL

General Description

This project is a web application for online platform for seller as well as buyer to sell infrastructure material in which Admin is able to register a user as well as do complete monitoring of application. Admin can manage category of product as well as manage product, that is admin can update, delete, add product category after this he is able to add variety of infrastructure product inside the categories created by him. Admin is also able to add another Admin and Manager followed by this he can also able to see user/manager/admin list along with their primary data.

Manager is second handler of this application able to manage only product category and product likewise admin he is also able to do same task of managing product. User may get registered by admin or he can register himself. User can view product accordingly the categories of productand can explore to various brands and companies product. User is able to add the product which he wanted to buy in the cart that to with quantities. User can buy this product with accurate address and credentials of user, once he done with basic formalities his order is placed by with confirmation mail including order details.

The project 'Infra Bazaar' is based on the database, object-oriented programming and networking techniques. As there are many areas where we keep the records in database for which we are using MY SQL software which is one of the best and the easiest software to keep our information. This project uses Thymeleaf with Bootstrap as the front-end software and has connectivity with MY SQL.

1.8 Product Perspective

The construction bazaar is e-commerce platform deals with a computerized, internet-based management system and placing orders. The customers can login remotely, search for product and place an order/services. The admin can the select order by customer and manage, placed orders auction, valuation of properties etc. There is a feedback system as well.

1.9 Product Functions -Eg:Entity

1. Admin Module
2. Customer Module
3. Manager Module
4. Product Module
5. Payment
6. Orders
7. Services

1.10 Product Specification

H/W and S/W and other utilities required.

1.11 User Characteristics

Admin, Manager, Customer

1.12 General Constraints:

(Include applicable statutory and regulatory requirements)

Only approved customer and registered are able to apply for order. Other public can first register themselves and then they can order.

2.1 Functional Requirements:

This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be -

1.1.1 Functional Requirement 1 –

- The system will allow the admin to manage product category and products.

- The system will allow the admin to add admin/manager/user.
- The system will allow the admin to fetch user/manager/admin list.

Login of Manager:

- The system will allow the Manager to manage product category and products.
- The system will allow the Manager to see all product list and can made changes in management ofproduct.

Login of User:

- The system will allow the User to register themselves.
- The system will allow the User to view Products.
- The system will allow the User to view description of product.
- The system will allow the User to add product in the cart and buy the product.
- The system will allow the User to see order details.

1.1.2 Functional Requirement 4 – Services Module

- Sub Functional requirements
  - **Service name(Valuation, Auction)**
  - **Service Description**
  - **Price**
  - **Inventory:**
    - Maintain data associated with Services
    - A name, description and Price of Services.
  - **Log/record the transaction**
    - Allow Manager to specify descriptions for the services.
    - Notify Manager when he receives the services request from customers.

- Allow Manager to update service details
- Allow Manager to change any service price
- Allow Manager to view service history.

1.1.3 Functional Requirement 5 –Product Module for customer

➢ Sub Functional requirements

- **Order for Product**
  - Select Product According to Requirement.
  - Choose mode of Payment.
- **Cancel Product**
  - Product details
  - Reason for cancel Order
  - Check Product status
  - Refund

1.2 Non-Functional Requirements:

Following Non-Functional Requirements will be there in the insurance to the internet:

- Secure access to customer's confidential data.
- 24X7 availability.
- Better component design to get better performance at peak time.
- Flexible service-based architecture will be highly desirable for future extension. Non-Functional Requirements define system properties and constraints.

Various other Non-Functional Requirements are:

- **Security -**

  Passwords of the Admin, Manager, and User should be protected for privacy using whatever constraints required in the database or the application. Only admin and Manager will have accessrights to the all the data according to the need for E.g.: - User details, passwords etc. The system shall protect the data and service from unauthorized access. The system shall also provide authentication and secure transaction.

Availability:

The system should run on a variety of operating systems that support the JavaScript language.The system should run on a variety of hardware.

Accessibility:

The software will be accessible to Admin, Management, and User.

Compatibility:

The software will be compatible with multiple platforms.

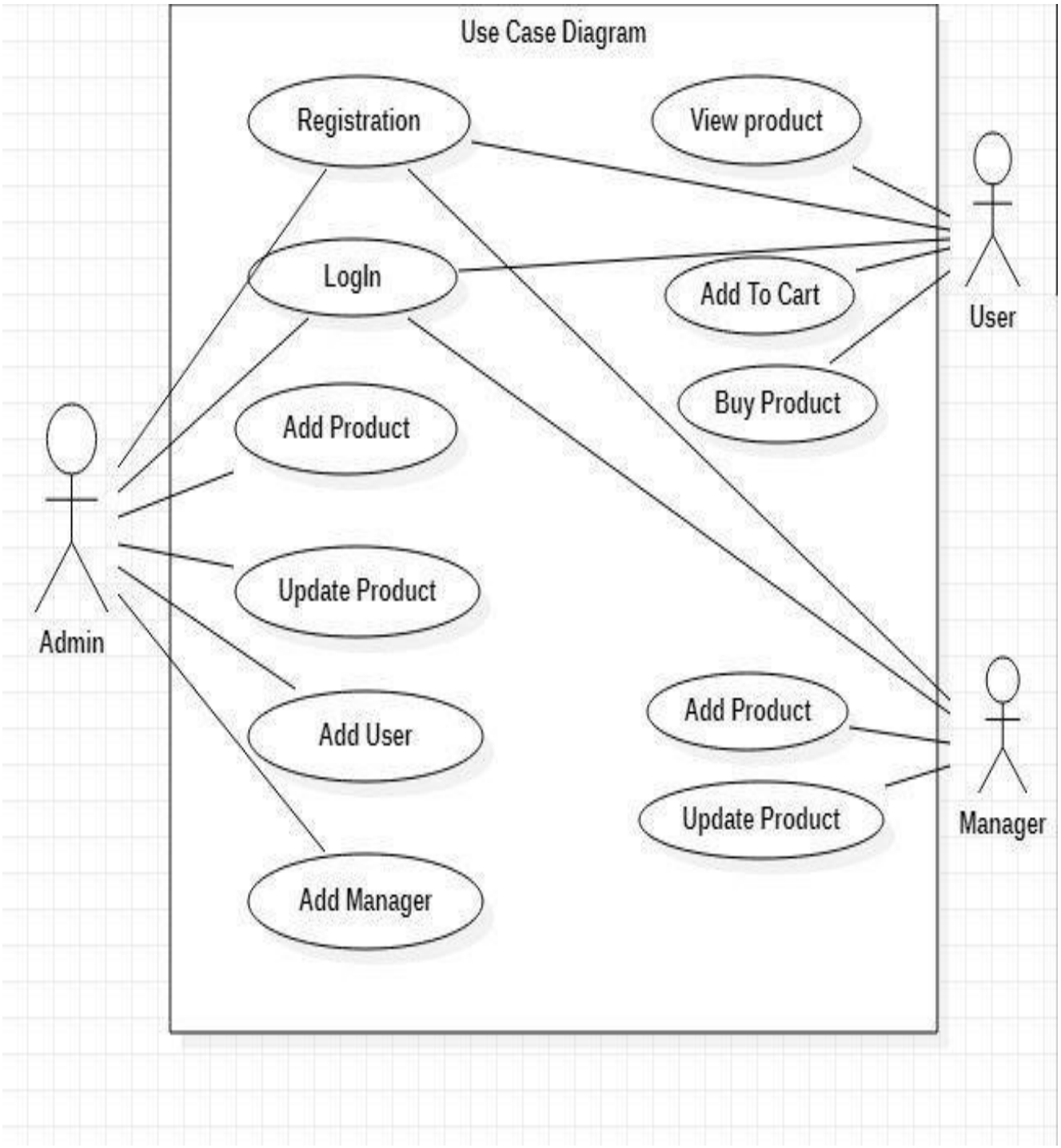
Durability:

The software will be tested for working with multiple users and records as system has to managemultiple users (Admin, Manager and User) and records (User details, Products categories, Products).

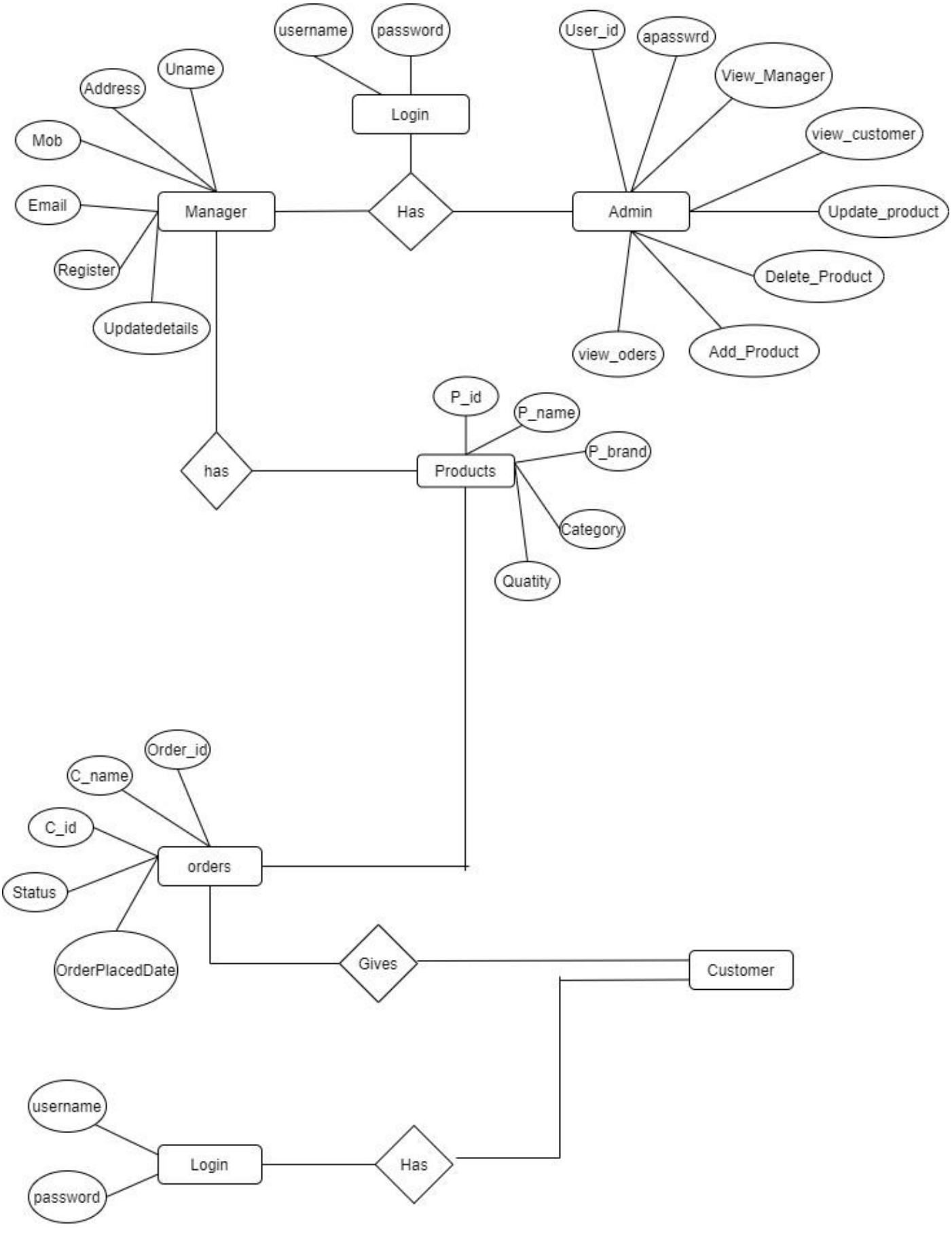
Effectiveness:

The software will be made to handle operations effectively. The system should provide good qualityand be error free

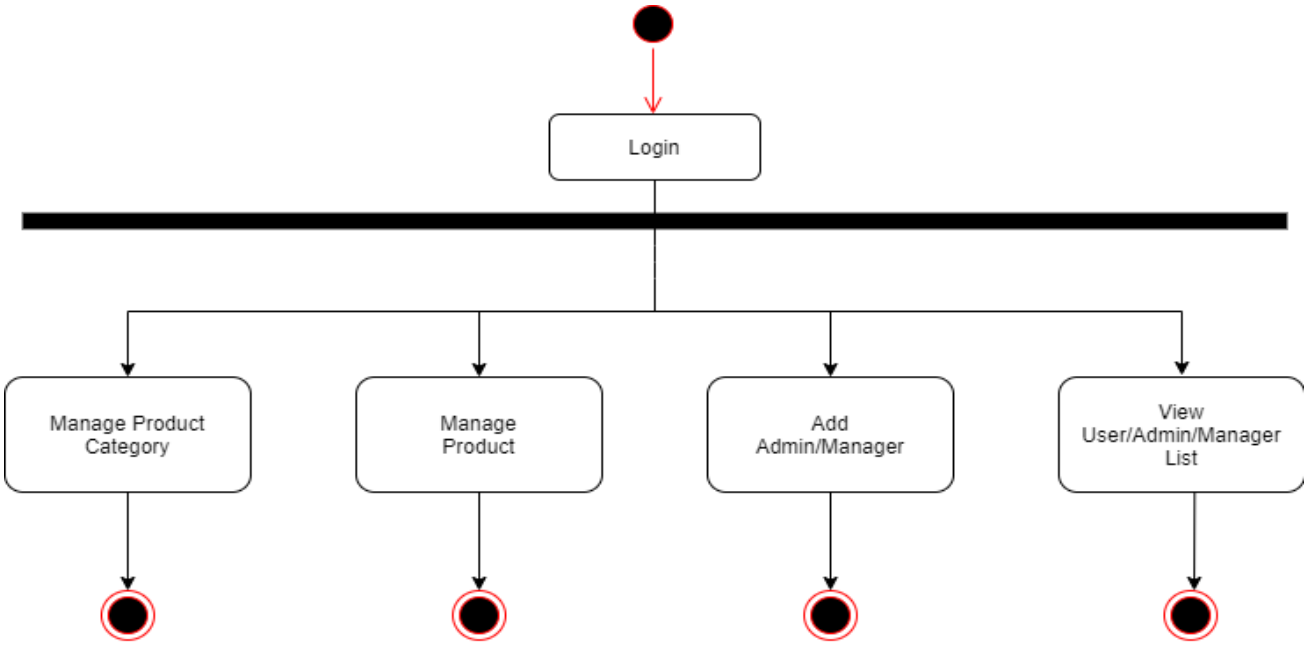
Use Case Diagram: -



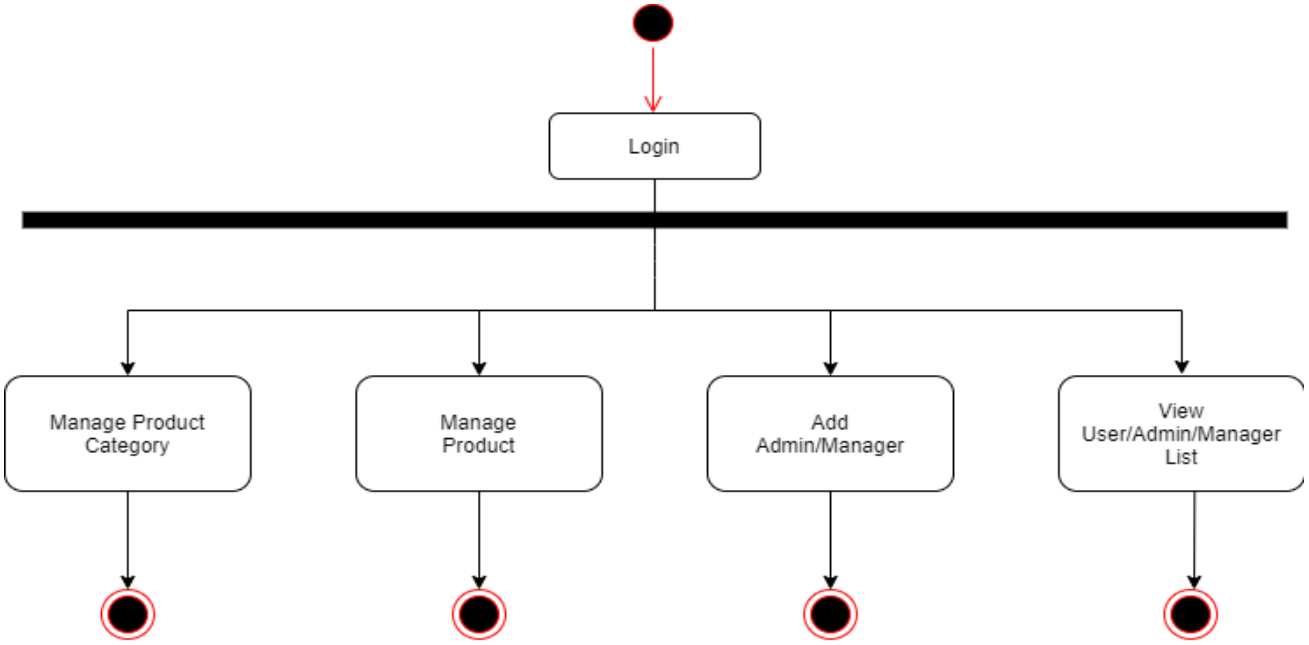
❖ Entity-Relationship Model:



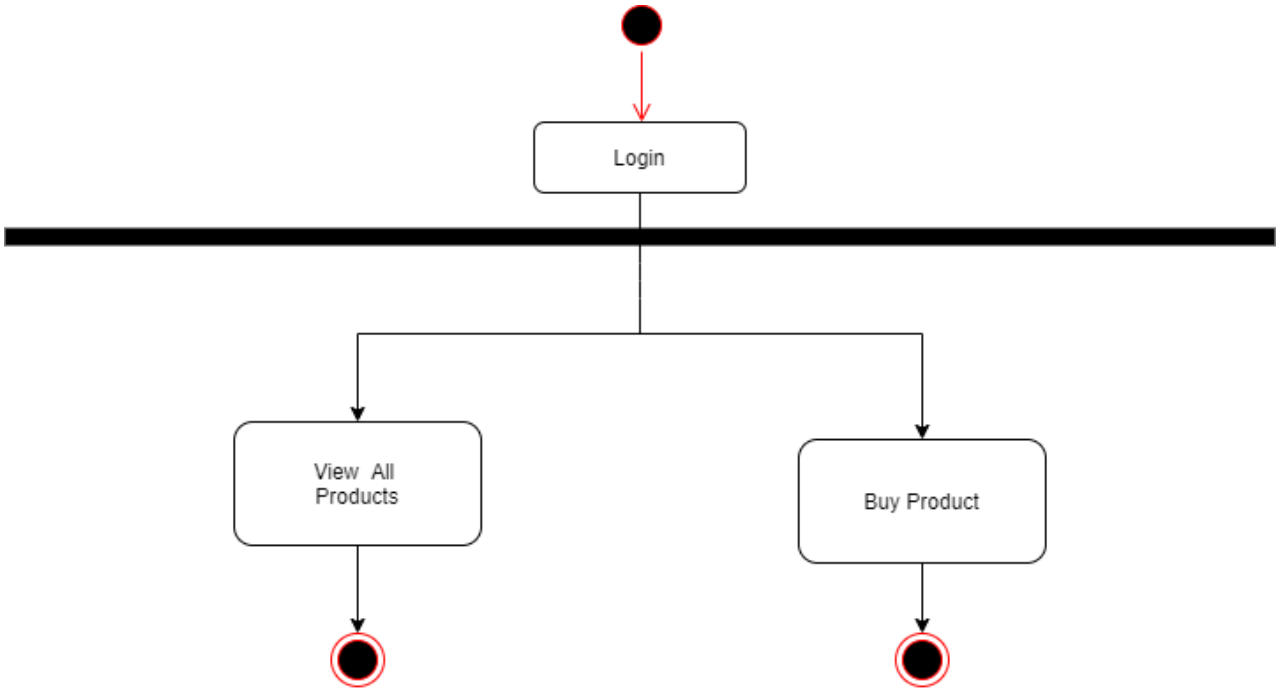
❖ Activity Diagram:



Admin Activity Diagram

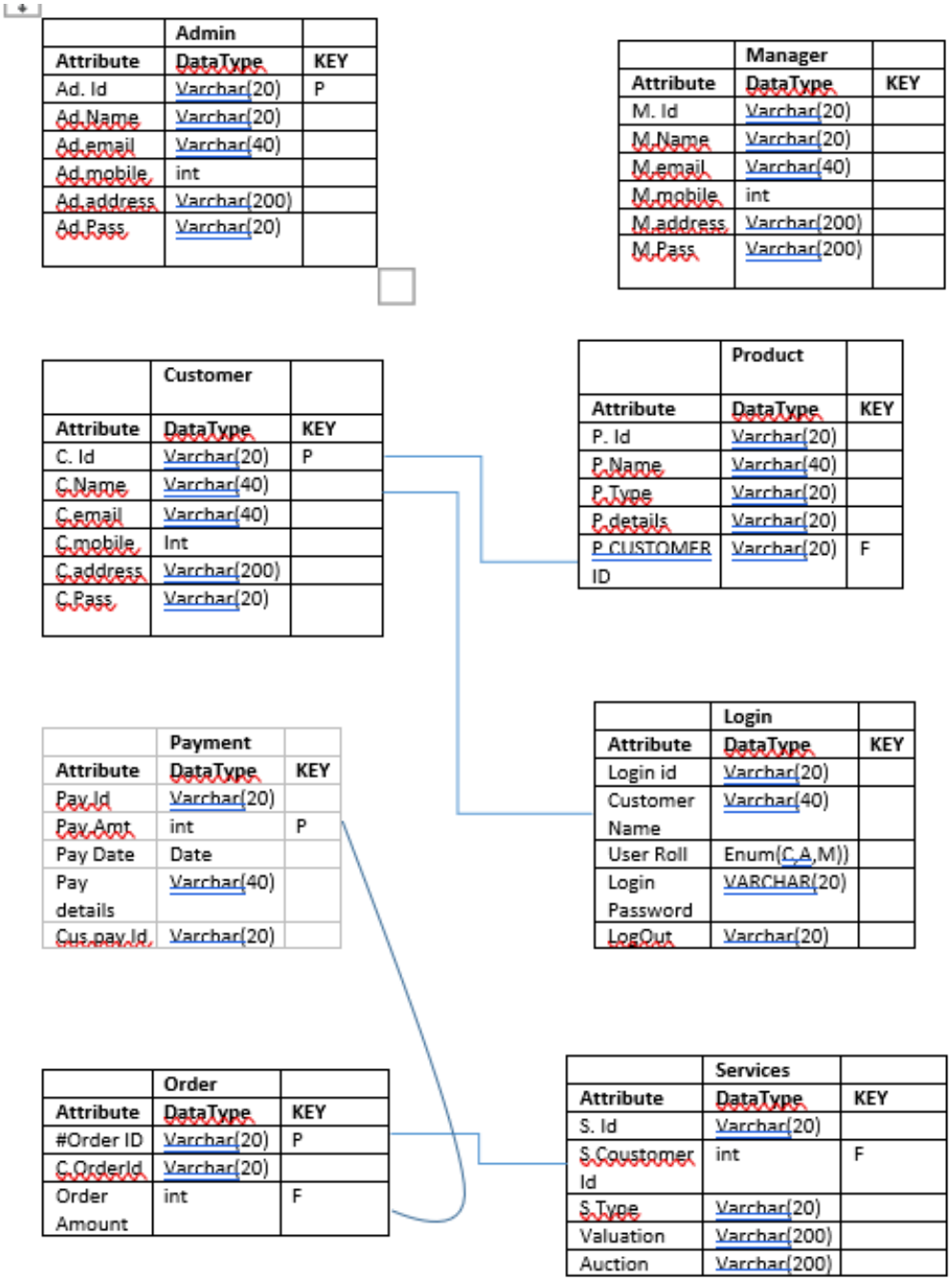


Admin Activity Diagram



User Activity Diagram

Database Schema : Project Topic (Infra Bazaar)



	Admin	
Attribute	**DataType**	**KEY**
Ad. Id	Varchar(20)	P
Ad.Name	Varchar(20)	
Ad.email	Varchar(40)	
Ad.mobile	int	
Ad.address	Varchar(200)	
Ad.Pass	Varchar(20)	

	Manager	
Attribute	**DataType**	**KEY**
M. Id	Varchar(20)	
M.Name	Varchar(20)	
M.email	Varchar(40)	
M.mobile	int	
M.address	Varchar(200)	
M.Pass	Varchar(200)	

	Customer	
Attribute	**DataType**	**KEY**
C. Id	Varchar(20)	P
C.Name	Varchar(40)	
C.email	Varchar(40)	
C.mobile	Int	
C.address	Varchar(200)	
C.Pass	Varchar(20)	

	Product	
Attribute	**DataType**	**KEY**
P. Id	Varchar(20)	
P.Name	Varchar(40)	
P.Type	Varchar(20)	
P.details	Varchar(20)	
P.CUSTOMER ID	Varchar(20)	F

	Payment	
Attribute	**DataType**	**KEY**
Pay.Id	Varchar(20)	
Pay.Amt	int	P
Pay Date	Date	
Pay details	Varchar(40)	
Cus.pay.Id	Varchar(20)	

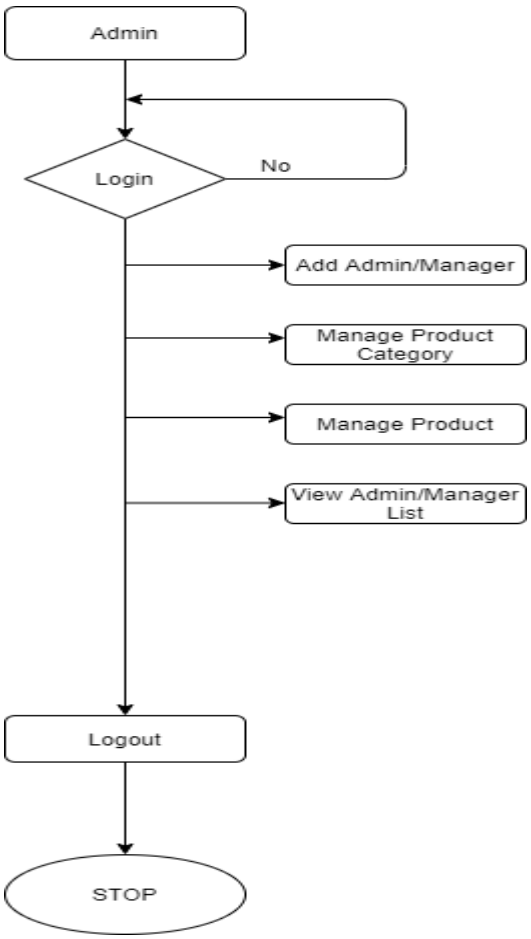
	Login	
Attribute	**DataType**	**KEY**
Login id	Varchar(20)	
Customer Name	Varchar(40)	
User Roll	Enum(C,A,M))	
Login Password	VARCHAR(20)	
LogOut	Varchar(20)	

	Order	
Attribute	**DataType**	**KEY**
#Order ID	Varchar(20)	P
C.OrderId	Varchar(20)	
Order Amount	int	F

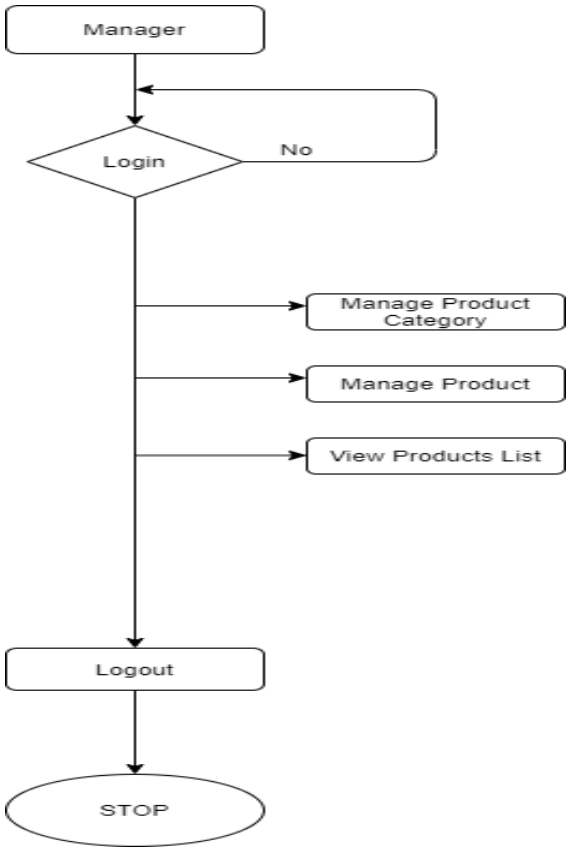
	Services	
Attribute	**DataType**	**KEY**
S. Id	Varchar(20)	
S.Coustomer Id	int	F
S.Type	Varchar(20)	
Valuation	Varchar(200)	
Auction	Varchar(200)	

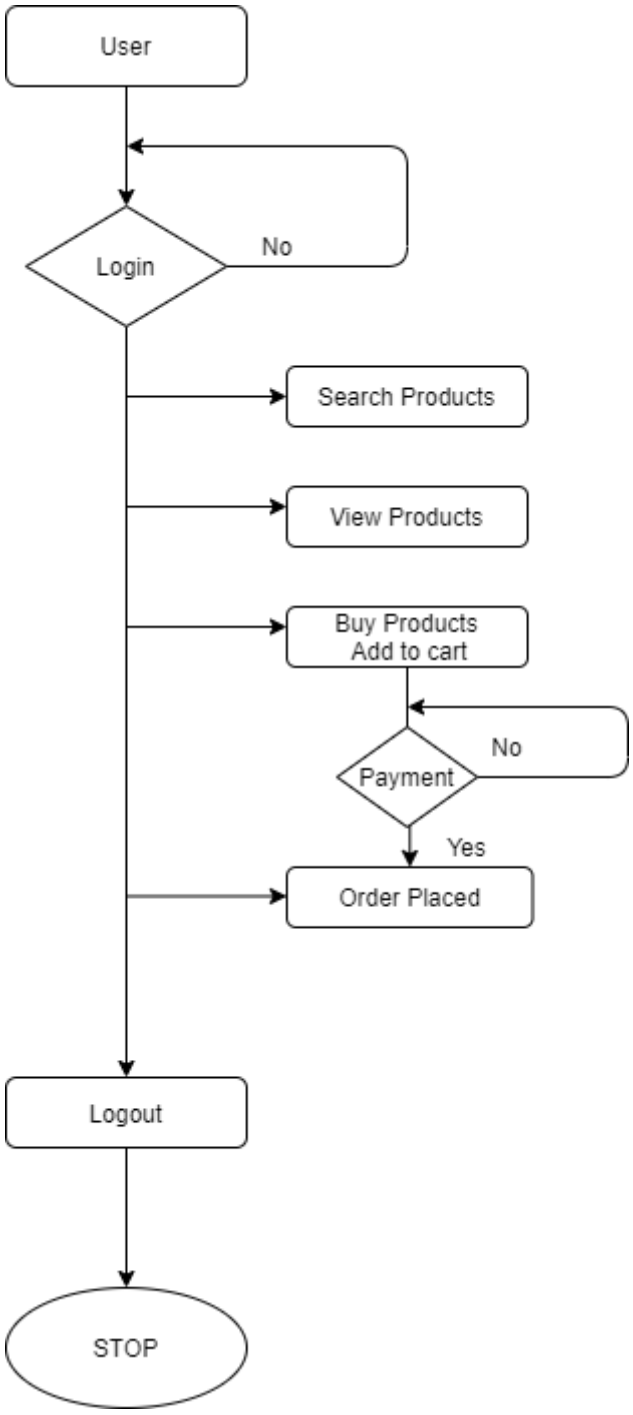
Data Flow Diagram:

Admin:



Manager:

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Buy Products
Add to cart
Payment
No
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Order Placed
Logout
STOP

User: