



PROJECT REPORT ON

“ FRUITKHA WEBSITE ”

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****ACKNOWLEDGEMENT****

- Project requires a lot of consideration, desire and hard work.
- Project is like a bridge between theoretical and practical working.
- Encouragement, Inspiration and Motivation has always played a key role in the success of any venture.
- On the very Outset of this Project report, we would like to extent our sincere and heartfelt gratitude to all those who helped us in various capacities in undertaking this project work.
- We would like to also thank and appreciate [Prof. Rahul Sir](#) who has also guided along with the sparing her valuable time and efforts for us.
- We have taken efforts in this project. It would not have been possible without the kind support and help of man individuals and organizations.
- Then I would like to thank my friends and classmates who have helped us with their valuable suggestions and guidance has been very helpful in various phases of the completion of the project.

Serial No.	Topic	Page No.
1.	<u>Project Profile :</u> <u>-Purpose</u> <u>-Tools and Technology</u>	4
2.	<u>System-Flow Diagram</u> <u>UML Diagrams</u> <u>-Use Case Diagrams</u> <u>-Data Flow Diagrams</u> <u>- ER Diagram</u>	7
3.	<u>Data Dictionary</u>	17
4.	<u>Conclusion</u>	29
5.	<u>Bibliography</u>	30

****PROJECT PROFILE****

-- Purpose --

-- Development Tools & Technology --

****Purpose****

The primary purpose of creating the Fruitkha website is to provide an accessible and user-friendly platform for customers to purchase high-quality fruits and vegetables online.

It aims to streamline the shopping experience with an intuitive interface, detailed product listings, and secure payment options, catering to the growing demand for convenient and reliable grocery shopping.

By offering a wide variety of fresh produce, Fruitkha ensures that customers have access to healthy and organic options, delivered right to their doorstep.

The goal is to create a seamless and enjoyable shopping experience while supporting a healthy lifestyle for its customers.



****Development Tools & Technology****

Front-End :- Html 5 , Javascript

Css 3 , bootstrap.

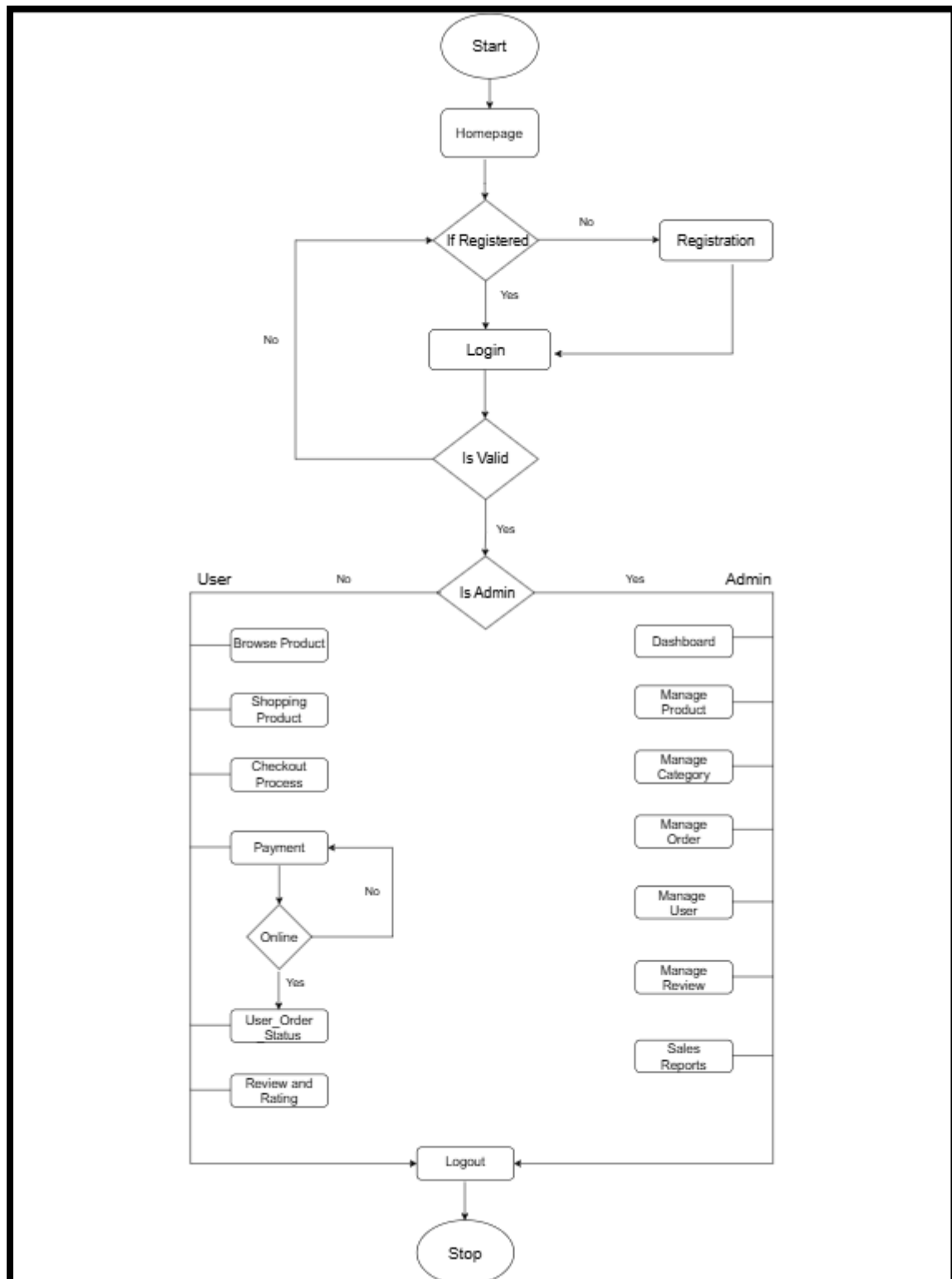
Back-End :- JSP, Servlet, JDBC, Mysql.

Tools :- Draw.io , Eclipse.



- **System Flow Diagram**

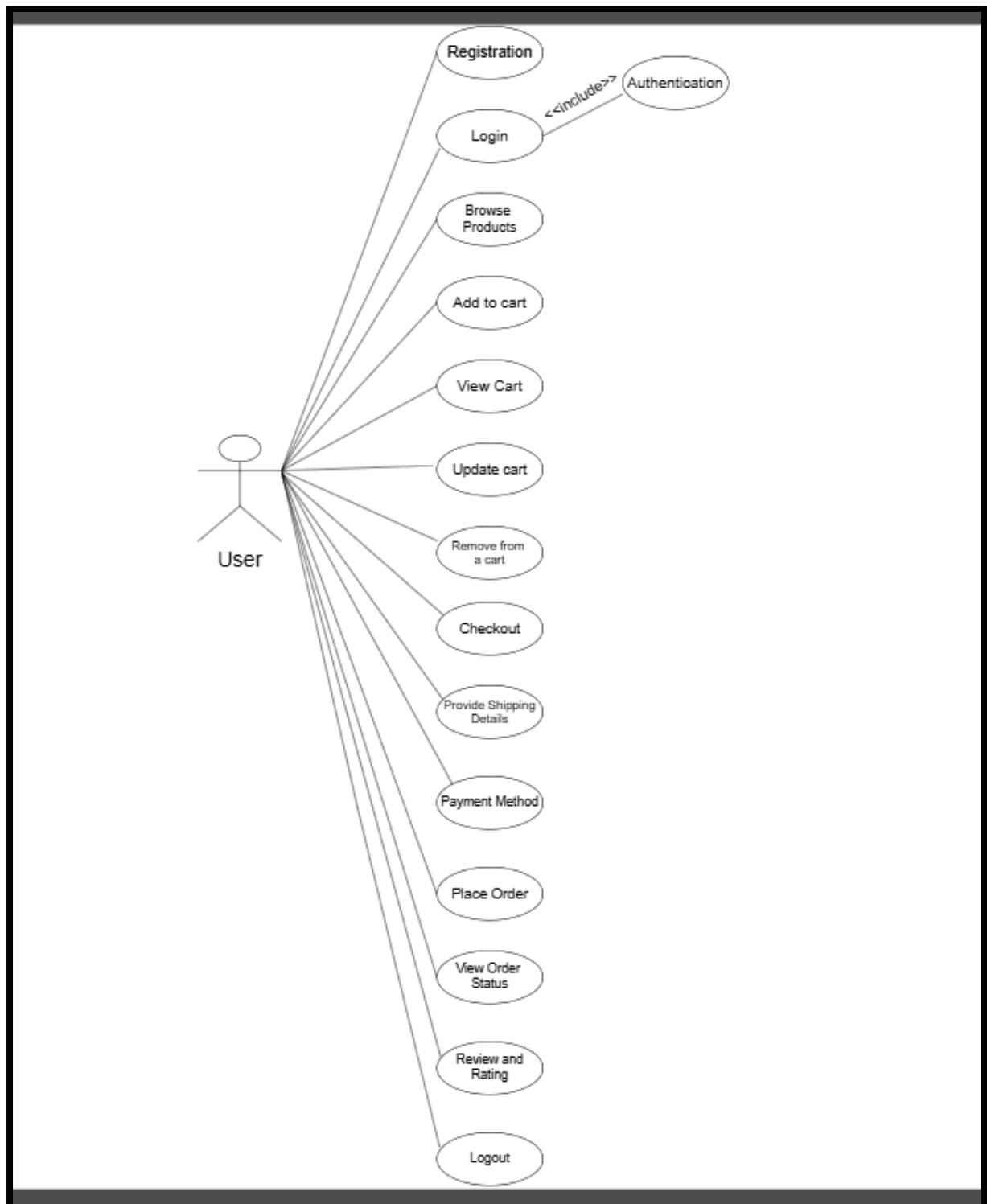
Fruit Online Order Website



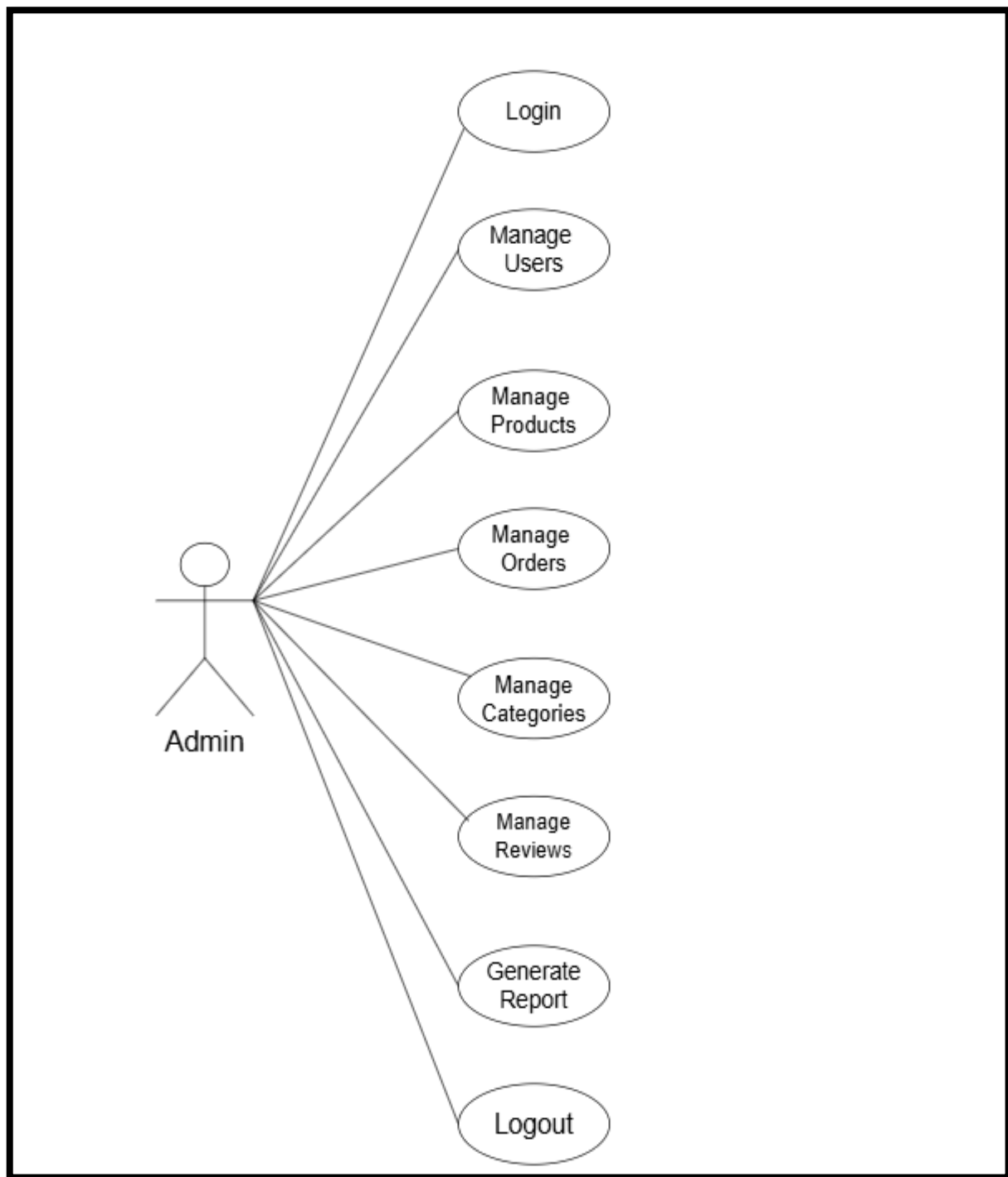
**** UML DIAGRAMS ****

- Use Case Diagram
 - (a) User usecase Diagram
 - (b) Admin usecase Diagram
- Data Flow Diagram
 - (a) DFD level 0 Diagram
 - (b) DFD level 1 Diagram
 - (c) DFD level 2 User Diagram
 - (d) DFD Admin Diagram
- ER Diagram

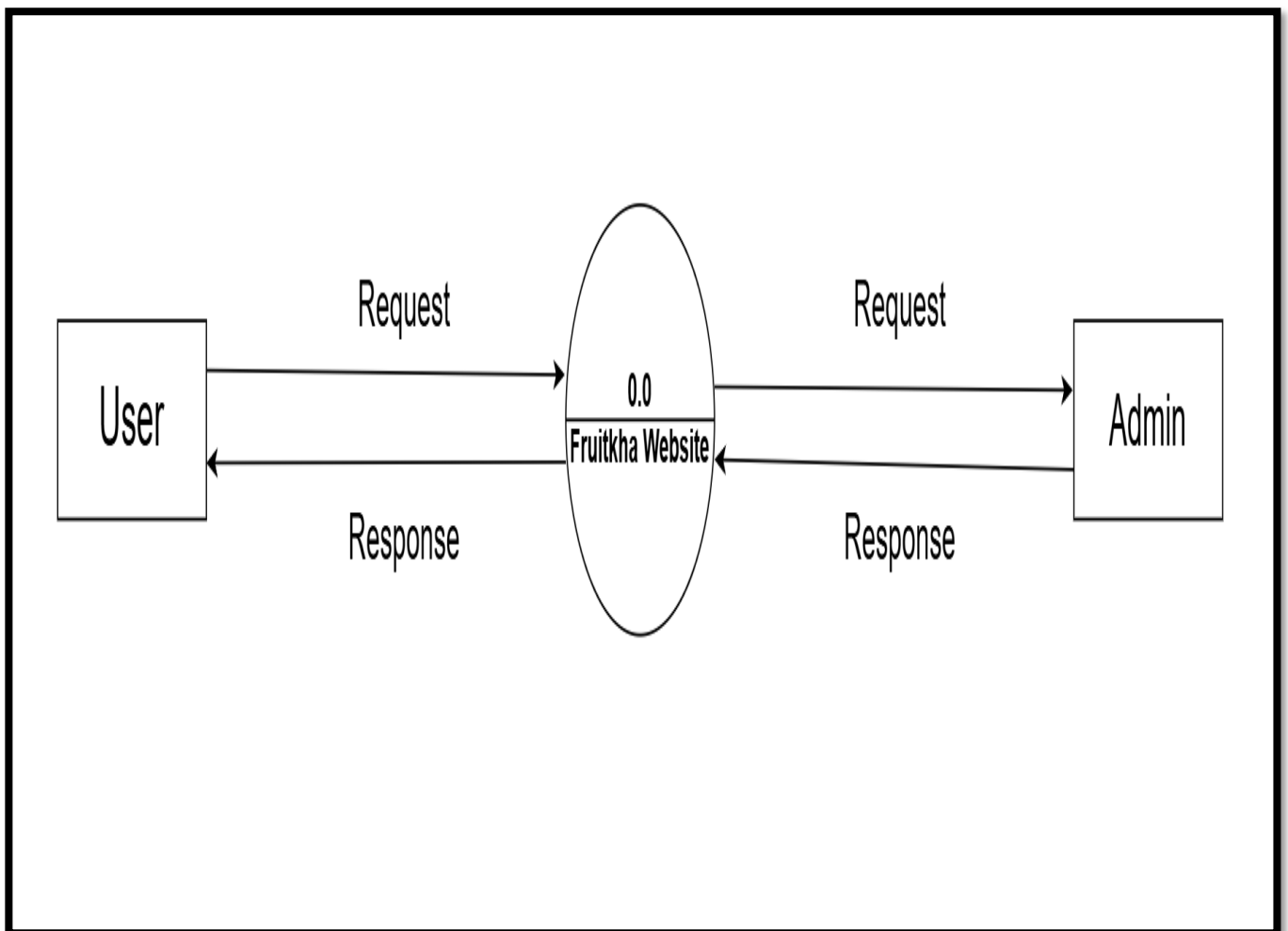
• User usecase Diagram



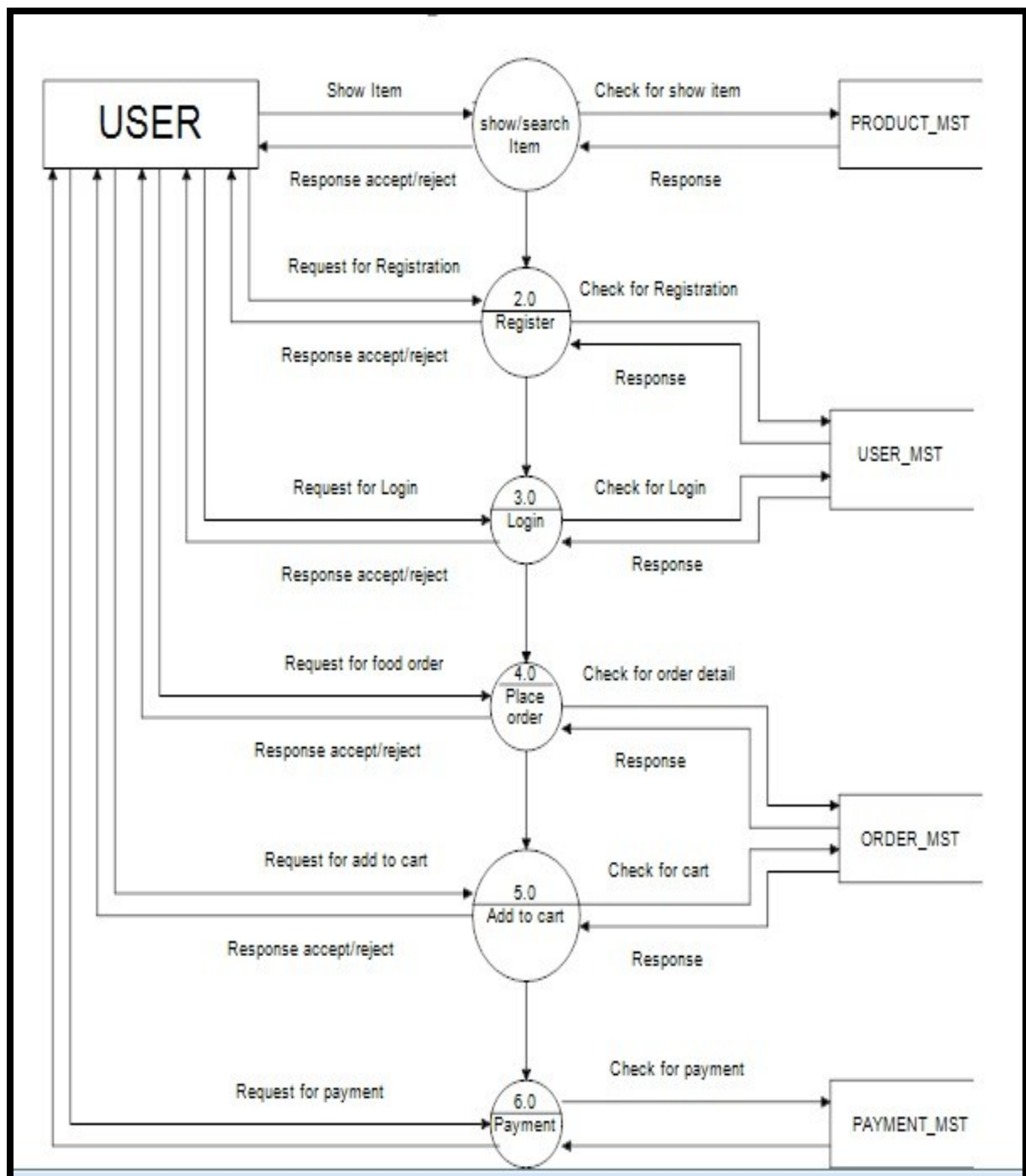
• Admin usecase Diagram



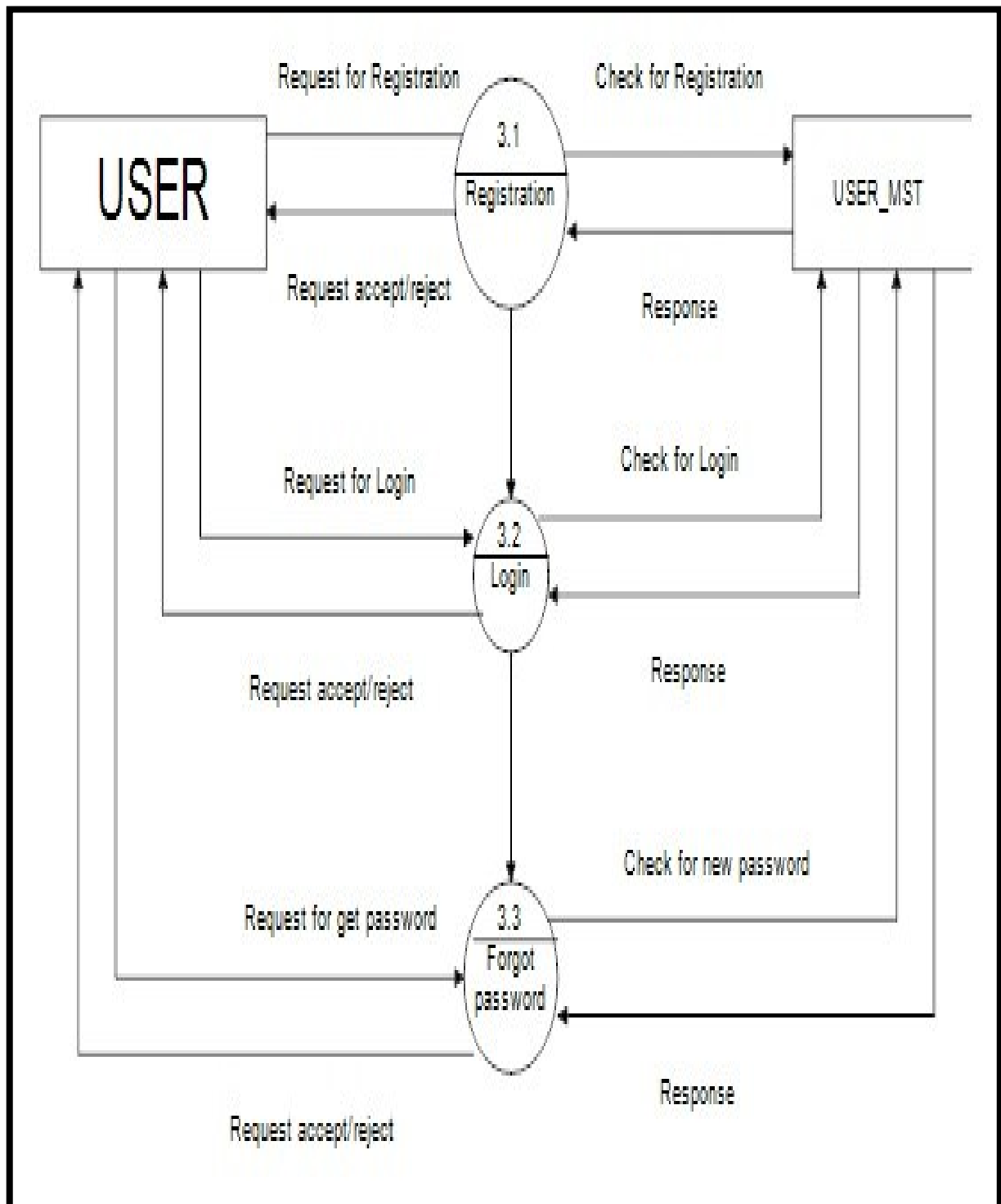
*** DFD Level 0 Diagram ***



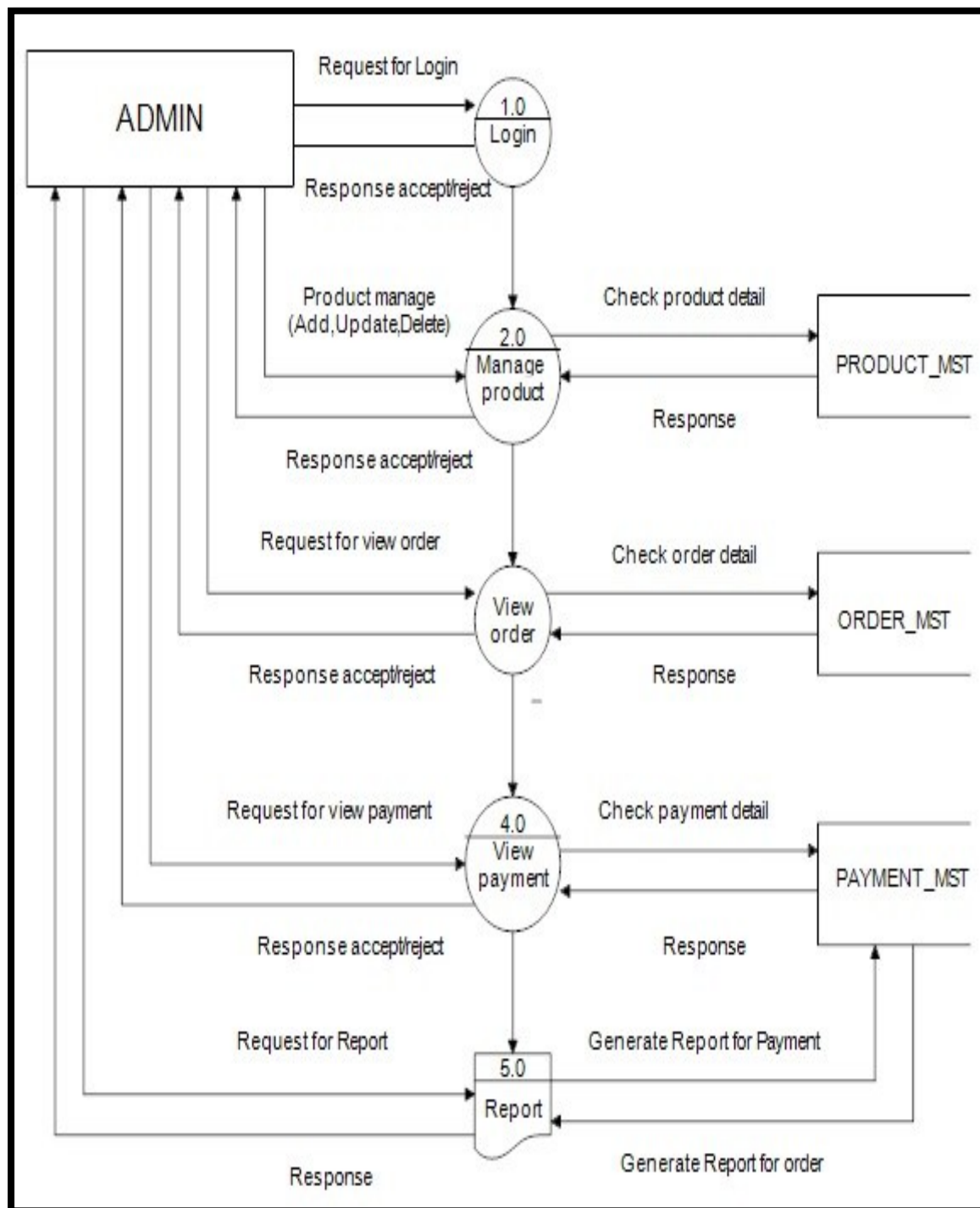
* DFD Level 1 Diagram *



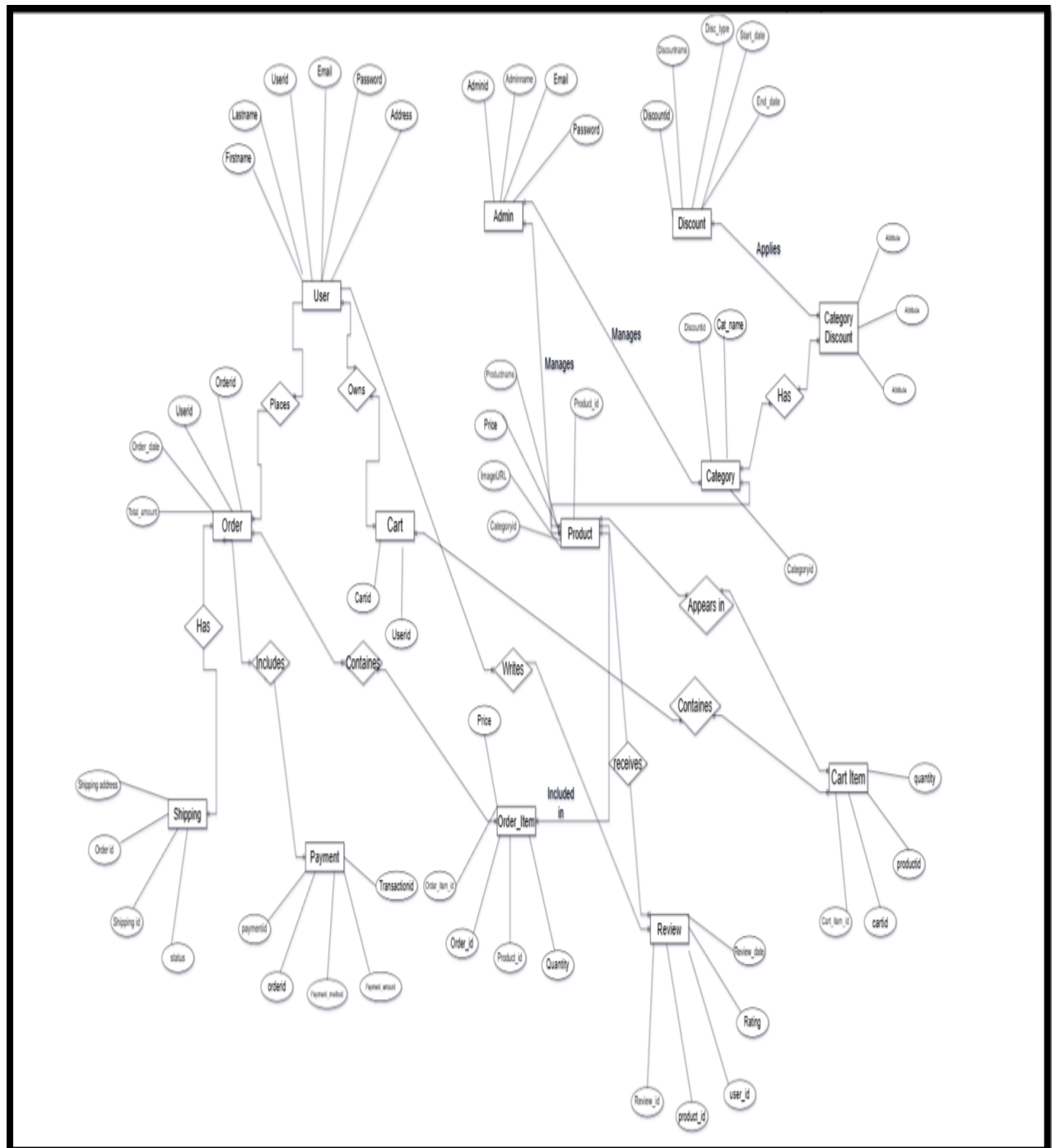
*** DFD Level 2 User Diagram ***

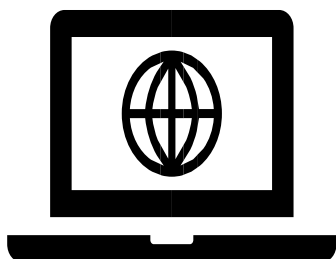


* DFD Admin Diagram *



❖ ER-DIAGRAM





Data

Dictionary

TABLE NO.	LIST OF TABLE
1.	Customer Table
2.	Product Table
3.	Admin Table
4.	Categories Table
5.	Discount Table
6.	Order Table
7.	Order_Details Table
8.	Cart Table
9.	Cart_Items Table
10.	Payment Table
11.	Review Table
12.	Shipping Table

Customer Table

Field name	Datatype	Number of size for storage	Constraints	Description
User_id	INT	10	PRIMARY KEY	Unique identifier for user
Firstname	VARCHAR2	40	NOT NULL	User's First Name
Lastname	VARCHAR2	40	NOT NULL	User's Last Name
Email	VARCHAR2	20	NOT NULL	User's Email Address
Password	VARCHAR2	15	NOT NULL	Hashed Password for Security
Phoneno	VARCHAR	20-	NOT NULL	User's Contact Number
Address	TEXT			User's Address
Registrationdate	DATETIME			Date and Time of user Registration

Product Table

Field name	Datatype	Number of size for storage	Constraints	Description
Product_id	INT	10	PRIMARY KEY	Unique identifier for each product
Product_name	VARCHAR2	30	NOT NULL	Name of the Product.
Category_id	INT	10	NOT NULL	Foreign key to categories table
Description	TEXT		NOT NULL	Detailed Description of the product.
Price	DECIMAL(10,2)	-	NOT NULL	Price of the product.
StockQuantity	INT	5	NOT NULL	Quantity of the product in stock.
ImageURL	VARCHAR2	255	NOT NULL	URL of the product image.

Admin Table

Field name	Datatype	Number of size for storage	Constraints	Description
Admin_id	INT	2	PRIMARY KEY	Unique identifier for Admin id.
Admin_name	VARCHAR2	30	NOT NULL	It will store Admin's name
Admin_Email	VARCHAR2	20	NOT NULL	It will store Admin's Email
Admin_Password	VARCHAR2	13	NOT NULL	It will store Admin's password

Categories Table

Field name	Datatype	Number of size for storage	Constraints	Description
Category_id	INT	5	PRIMARY KEY	Unique identifier for category
Categoryname	VARCHAR2	30	NOT NULL	Name of the Category
Description	TEXT		NOT NULL	Description of the Category
Discount_id	INT	4	FOREIGNKEY	Discount_id is foreign key

Discount Table

Field name	Datatype	Number of size for storage	Constraints	Description
Discount_id	INT	4	PRIMARY KEY	Unique identifier for each discount
Discount_name	VARCHAR2	50	NOT NULL	Discount name in discount.
Discount_type	VARCHAR2	50	NOT NULL	Code used for applying the discount
DescriptionPercentage	DECIMAL(5,2)	-	NOT NULL	Percentage discount applied
Start_date	TIMESTAMP	-	NOT NULL	Start date of discount
End_date	TIMESTAMP	-	NOT NULL	End date of discount
Status	VARCHAR	50	NOT NULL	Current status of the discount (e.g., Active, Expired)

Order Table

Field name	Datatype	Number of Size for storage	Constraints	Description
Order_id	INT	4	PRIMARY KEY	Unique identifier for EACH order
User_id	INT	10	Foreign key	Foreign key to user table.
Order_Date	DATETIME	-	NOT NULL	Date and time of order
Total_Amount	DECIMAL(10,2)	-	NOT NULL	Total Amount of the order
Status	VARCHAR2	20	NOT NULL	Current status of the order

Order Details Table

Field name	Datatype	Number of Size for storage	Constraints	Description
Order_Details_id	INT	4	PRIMARY KEY	Unique identifier for EACH order_Details_id
Order_id	INT	4	Foreign key	Foreign key to order table.
Product_id	INT	10	Foreign key	Foreign key to product table.
Quantity	INT	-	NOT NULL	Quantity of the product Ordered.
Price	DECIMAL(10,2)	-	NOT NULL	Price of the product at the time of order

Cart Table

Field name	Datatype	Number of size for storage	Constraints	Description
cart_id	INT	5	PRIMARY KEY	Unique identifier for cart id.
User_id	INT	10	FOREIGN KEY	User id is foreign key to user.

Cart_items Table

Field name	Datatype	Number of Size for storage	Constraints	Description
Cart_item_id	INT	4	PRIMARY KEY	Unique identifier for EACH cart_item_id
Cart_id	INT	5	Foreign key	Foreign key to cart table.
Product_id	INT	10	Foreign key	Foreign key to product table.
Quantity	INT	-	NOT NULL	Quantity of the product Ordered.

Payment Table

Field name	Datatype	Number of Size for storage	Constraints	Description
Payment_id	INT	6	PRIMARY KEY	Unique identifier for payment id
Order_id	INT	5	FOREIGN KEY	Order_id is foreign key to order table.
Payment_Method	VARCHAR2	30	NOT NULL	It will store Payment method.
Payment_amount	INT	6	NOT NULL	It will store total of amount
Payment_date	DATE	-	NOT NULL	It will store date of payment
Payment_status	VARCHAR2	20	NOT NULL	It will store payment status
Transaction_id	INT	15	NOT NULL	It will store transaction id

Review Table

Field name	Datatype	Number of size for storage	Constraints	Description
Review_id	INT	6	PRIMARY KEY	Unique identifier for review
product_id	INT	5	FOREIGN KEY	This is the product_id references product.
user_id	INT	7	FOREIGN KEY	This is the user_id references user.
Rating	INT	10	NOT NULL	It will store Rating of Review.
Description	TEXT		NOT NULL	It will store description of Review
Review_Date	DATETIME		NOT NULL	DATE AND TIME OF REVIEW.

Shipping Table

Field name	Datatype	Number of Size for storage	Constraints	Description
Shipping_id	INT	6	PRIMARY KEY	Unique identifier for payment id
Order_id	INT	5	FOREIGN KEY	Order_id is foreign key to order table.
Shipping_address	TEXT	-	NOT NULL	It will store Shipping Address.
Shipping_status	VARCHAR2	30	NOT NULL	It will store Shipping status(pending, delivered.)
Tracking_Number	VARCHAR2	40	NOT NULL	It will store tracking number.

Conclusion

- We learned what is actual analysis behind the projects as well as the important of team work.
- We learned various diagram as well as the Data Dictionary and implemented successfully.
- Thus, this the best start of our project.

****Bibliography****

- **Reference link**

 <https://www.w3school.com>

 <https://www.draw.io>

- **Reference Book**

- *Magnifying object-oriented Analysis and Design By Arpita Gopal and Netra Patil*