Information Systems and Data Modeling – IT1090
Assignment 02

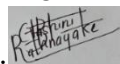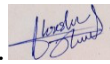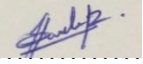|	
Title: Online Advertising Agency	
Batch Number: 02.01	Group Number: MLB_02.01_03

Declaration:

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Submitted on: <04/05/2024>

Contents

1. Introduction

Our objective will be to provide customers with a simple platform and tools for the success of their online advertising agency efforts. Search engine optimization, social media campaign, display advertisements and whatever additional alternatives and solutions regulars will be able to source fights their needs. The choice of target alternatives and advertising formats will always be determined by the customers' preferences. Visitors to the website can sign in quickly by only entering their email address or signing with Google. Upon signing in, our fast database system will automatically verify the user's email address and credentials. To ensure users feel confident and to maintain security, any inconsistency in sign-in credentials will be reported promptly.

Apart from what they are offered for visitors, they can also find a range of features accessible. They will start campaigns, monitor how they perform, change target specifics, or use a special messenger to reach our customer support to help you solve them. We take great care to respond as quickly and effectively as possible to the requests of the ultimate consumers. Our platform also offers large reporting functionality in addition to what the clients see, designed to work with our administrative and finance personnel.

This allows managers to generate comprehensive reports on customer feedback from surveys, revenue analysis, and campaign performance. The general finances of the agency and personnel wages are also maintained by the manager. Our platform is highly dependent on an advanced database design that can hold different types of data. We minimize the chances of loss of data and ensure faster administrative work for our clients and team by orderly maintenance of data storage and administration. The requirements analysis and careful data management ensure our platform is not only it reduces friction of interaction and optimizes the experience involved.

2. Hypothetical Scenario

Say Hello to the all-new "AdHandiya" – Your one-stop online advertising agency!

Do you want to discuss and get your advertising tactics and strategies planned along with all the extras and outstanding services in the field? Well, look no further, and get started with AdHandiya – It's everything you need for your advertising purposes. Browsing through AdHandiya will feel like a warm house with our user-friendly environment. How do different types of advertiseracquiesce use our service to find their diversified advertising options? Hit our sign-in button and surf through AdHandiya from the comfort of your place. You can sign in as a registered user or surf as a guest visitor, with open access irrespective of your preference. Registered users benefit through signing in, and guests learn about the versatile options that AdHandiya offers.

Our exclusive ordering system allows you to browse through the myriad of areas to advertise or even view curated recommendations to find your perfect suit. However, AdHandiya has so much more to offer… Our additional functionality includes updating your profile, reviews saving, and so many more. Worried about customer support? Simply go to the "Contact Us" section under your account and get in touch with our friendly team support that is ready to help you anytime.

Besides, AdHandiya encourages you never to advertise alone. Our attentive support team will assist you through every jiffy so that your experience with placing an ad is nothing less than perfect. Our Help Desk is open 24/7. At the same time System admins constantly work to make sure systems are secure and running at full capacity. Last but not least Keep up to date on how our advertising shapes society. Join the AdHandiya family today and elevate your advertising game to new heights.

3. Requirement Analysis

3.1   Main Requirement

3.1.1 Functional Requirements

Functional Requirements are the behaviors that the website must have, which describe what the website must be able to do when the user commands. The users we consider in this report are the Registered User, Admin, Financial Manager, and Customer Supporter.

1. <u>Registered User</u>

<u>**User requirements**</u>**: –**

- **Users must be able to register on the website and create an account.**
- **Users must be able to securely log in with correct credentials and log out.**
- **Users should have the ability to edit and update their profile information.**
- **Users must be able to browse and navigate through the website smoothly.**
- **Users must be able to see advertisements on the website.**
- **Users should be able to create, manage, and delete their advertisements.**
- **Users must be able to make payments using various secure methods.**
- **Users must be able to check reviews and feedback left by other users.**
- **Users should also be able to leave reviews and make inquiries.**

<u>**System requirements**</u>**: –**

- **System must be able to validate users upon log-in.**
- **System stores registration details and creates an account for the user.**
- **System should enable users to easily edit and update their profile information.**

- **System should display advertisements to users in relevant sections of the website.**
- **System should provide users with tools to create, manage, and delete their advertisements.**
- **System should allow users to make payments securely using different payment methods.**
- **System should regularly backup user data to ensure its safety and integrity.**
- **System should allow users to view reviews and feedback from other users.**
- **System should notify users via email about the status of their advertisements, including approvals, rejections, or updates.**

2. <u>Admin</u>

<u>User Requirements</u>: –

- **Admin signs into the website by providing the required login credentials.**
- **Admin can add, delete, and modify user accounts.**
- **Admin can reset passwords and manage user permission.**
- **Admin can activate, deactivate, or suspend user accounts if necessary.**
- **Admin should approve, reject, and monitor advertisements.**
- **Admin can update and manage content displayed on the website such as advertisements, feedback, and details.**
- **Admin can view and manage user profiles including login information and contact details.**
- **Admin can search, and filter advertisements based on various criteria. (location, type of advertisement)**
- **Admin can approve or reject changes made by financial managers, registered users, or contact supporters.**
- **Admin should access reports on user activity and revenue.**
- **Admin can monitor system activity logs and recent payments.**

System requirements: –

- **System should validate user login credentials.**
- **System should have the functionality to add, delete, and modify user accounts.**
- **System should have the ability to reset passwords and manage user profiles.**
- **System should have tools to update and manage the website.**
- **System should have access to system configuration settings.**
- **System should enable the admin to access user activity and revenue reports and monitor system activity logs and recent payments.**

3. Financial Manager

User Requirements: –

- **Financial Manager signs onto the website by providing the required login credentials.**
- **Financial Manager can add, delete, and modify their accounts.**
- **Financial Manager views revenue, expenses, and profits.**
- **Financial Manager produces brief reports highlighting key metrics.**
- **Financial Manager oversees invoicing and track advertiser payments.**
- **Financial Manager manages campaign budgets to meet goals.**
- **Financial Manager can monitor recent payments for advertisements and approve or reject them as needed.**

System requirements: –

- **System should validate user login credentials.**
- **System should notify new advertisements.**

- **System should display pending payments.**
- **System ensures secure access to financial data for the financial manager.**
- **System should notify payment failures.**
- **System provides tools for financial report generation and analysis.**
- **System facilitates invoice creation, and payment tracking from advertisers.**
- **System includes features for managing advertising campaign budgets and tracking expenses.**

4. <u>Customer Supporter</u>

<u>User Requirements</u>: -

- **Customer Supporter signs onto the website by providing the required login credentials.**
- **Customer Supporter should be able to address inquiries and provide effective assistance to users.**
- **Customer Supporter should be able to resolve user issues related to website functionalities, advertisements, payments, or other aspects.**
- **Customer Supporter should be able to offer guidance on using the website, creating advertisements, making payments, etc.**
- **Customer Supporter should be able to provide technical support for website features, navigation, or functionality issues.**
- **Customer Supporter should be able to collect and manage user feedback, forwarding it to relevant departments when necessary.**

<u>System requirements</u>: –

- **System should validate user login credentials.**

- **System should be user-friendly and easy to navigate for efficient customer support.**
- **System should track user inquiries and issues for customer supporters.**
- **System features manage user feedback and suggestions efficiently.**
- **System should allow Customer Supporter to track user activity and interactions with the website to better understand user needs and behaviors.**

3.1.2 Non- Functional Requirements (NFR)

Quality attributes, or non-functional requirements, cover a system's operating features that extend beyond its designated functions. For the overall quality of the system and user experience, these standards are essential. In contrast to functional requirements, which specify characteristics, NFRs are necessary to guarantee the efficiency and usefulness of the system. These requirements are crucial to consider throughout the design and implementation of the system as they might make it ineffective.

❖ **Performance**
- **Admin can add, edit, remove, and update properties.**
- **User input should be processed instantly, and the page should load rapidly.**
- **It needs to have the capacity to manage several simultaneous applications. v Security**

- **The system needs to be able to safeguard data, stop misuse, and stop illegal access.**
- **Furthermore, no one can access the system by using another person's user ID or password since each user ID and password are unique.**

❖ **Reliability**

- **The system must have the ability to detect invalid credentials.**

❖ **Scalability**

- **The System should be able to handle a higher workload on demand.**

❖ **Availability**

- **The System should be available 24/7.**

❖ **User friendly**

- **The system should be accessible to users with low IT literacy.**

❖ **Speed**

- **The system must have good speed.**
- **The system can access more users at the same time without any failures.**

3.2   Data Requirements

❖ **Registered user**
  - o **User_ID**
  - o **House_no**
  - o **Street**
  - o **City**
  - o **L_name**
  - o **F_name**
  - o **Phone_No**
  - o **Email**
  - o **U_Password**
  - o **DOB**

❖ **Advertisement**
  - o**Advertisement_ID**
  - o **Title**
  - o **Price**
  - o **Description**
  - o **Ad_Category**

❖ **Customer Supporter**

- o Supporter_ID

- o C_Password

- o House_No

- o City

- o Street

- o Email

- o Phone_No

❖ **Inquiry**
  - o Inquiry_ID
  - o Inquiry
  - o Email
  - o Phone_No
  - o Date

❖ **Admin**

  - o Admin_ID

  - o Email

  - o Street

  - o City

  - o A_Password

  - o House_No

  - o F_name

  - o L_name

  - o Phone_No

❖ **Feedback**
  oFeedback_ID

- o User_ID
- o Feedback_comment

❖ **Payment**
- o Payment_ID
- o Amount
- o Master_Card
- o Visa_Card

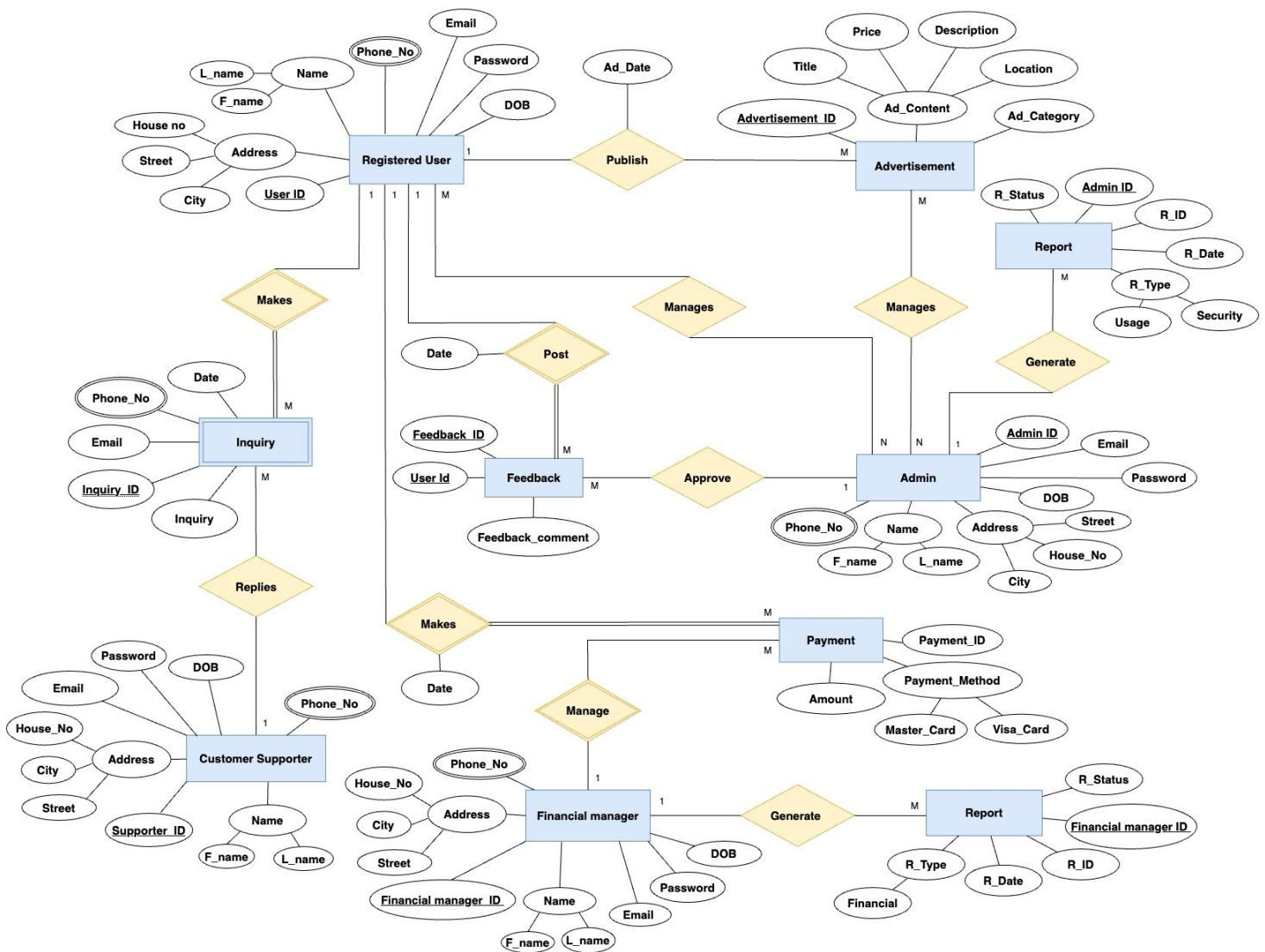❖ **Financial Manager**
- o Financial_manager_ID
- o House_No
- o City
- o Street
- o F_Password
- o F_name
- o L_name
- o Email
- o Phone_No

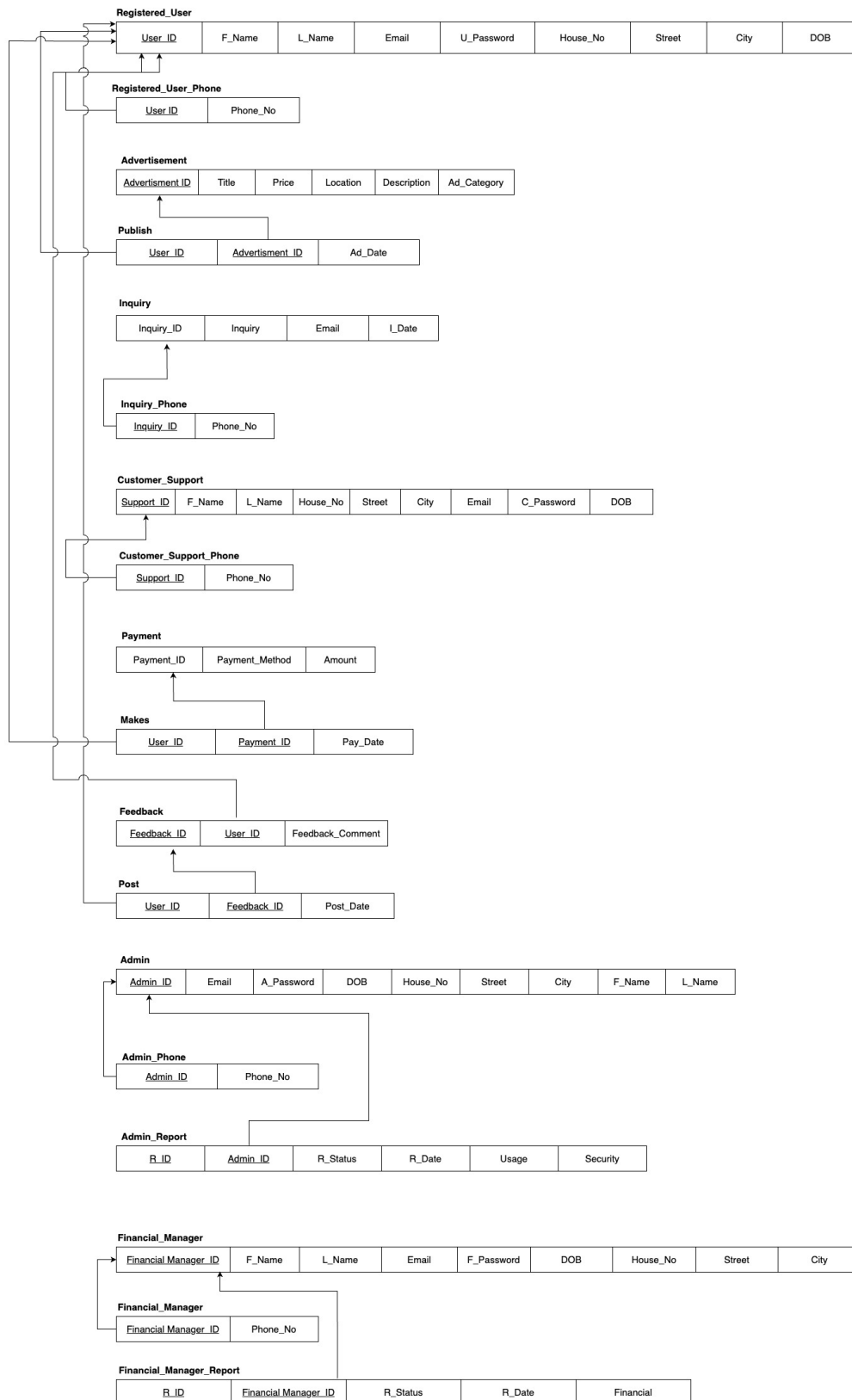❖ **Report**
- o R_ID
- o R_Type
- o R_Date
- o R_status
- o Financial_manager_ID
- o Admin_ID
- o Usage
- o Security
- o Financial

4. Entity Relationship Diagram

5. Relational Schema

Registered_User

User_ID	F_Name	L_Name	Email	U_Password	House_No	Street	City	DOB

Registered_User_Phone

User ID	Phone_No

Advertisement

Advertisment ID	Title	Price	Location	Description	Ad_Category

Publish

User_ID	Advertisment_ID	Ad_Date

Inquiry

Inquiry_ID	Inquiry	Email	I_Date

Inquiry_Phone

Inquiry_ID	Phone_No

Customer_Support

Support_ID	F_Name	L_Name	House_No	Street	City	Email	C_Password	DOB

Customer_Support_Phone

Support_ID	Phone_No

Payment

Payment_ID	Payment_Method	Amount

Makes

User_ID	Payment_ID	Pay_Date

Feedback

Feedback_ID	User_ID	Feedback_Comment

Post

User_ID	Feedback_ID	Post_Date

Admin

Admin_ID	Email	A_Password	DOB	House_No	Street	City	F_Name	L_Name

Admin_Phone

Admin_ID	Phone_No

Admin_Report

R_ID	Admin_ID	R_Status	R_Date	Usage	Security

Financial_Manager

Financial Manager_ID	F_Name	L_Name	Email	F_Password	DOB	House_No	Street	City

Financial_Manager

Financial Manager_ID	Phone_No

Financial_Manager_Report

R_ID	Financial Manager_ID	R_Status	R_Date	Financial

6.   SQL queries

6.1 Database Create

```sql
CREATE TABLE Registered_User (
    User_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    F_Name VARCHAR(50) NOT NULL,
    L_Name VARCHAR(50) NOT NULL,
    Email VARCHAR(50) UNIQUE NOT NULL,
    U_Password VARCHAR(50) NOT NULL,
    House_No VARCHAR(50) NOT NULL,
    Street VARCHAR(50) NOT NULL,
    City VARCHAR(50) NOT NULL,
    DOB DATE NOT NULL
);

CREATE TABLE Registered_User_Phone (
    User_ID VARCHAR(10)NOT NULL,
    Phone_No VARCHAR(10) NOT NULL,
    PRIMARY KEY (User_ID),
    FOREIGN KEY (User_ID) REFERENCES Registered_User(User_ID)
);

CREATE TABLE Advertisement (
    Advertisement_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    Title VARCHAR(50) NOT NULL,
    Price DECIMAL(10, 2) NOT NULL,
    Location VARCHAR(50) NOT NULL,
    Description VARCHAR(50) NOT NULL,
    Ad_Category VARCHAR(50) NOT NULL
);

CREATE TABLE Publish (
    User_ID VARCHAR(10) NOT NULL,
    Advertisement_ID VARCHAR(10) NOT NULL,
    Ad_Date DATE NOT NULL,
    PRIMARY KEY (Advertisement_ID),
    FOREIGN KEY (User_ID) REFERENCES Registered_User(User_ID),
    FOREIGN KEY (Advertisement_ID) REFERENCES Advertisement(Advertisement_ID)
);
```

```sql
CREATE TABLE Inquiry (
    Inquiry_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    Email VARCHAR(50) NOT NULL,
    I_Date DATE NOT NULL,
    Inquiry VARCHAR(50) NOT NULL
);

CREATE TABLE Inquiry_Phone (
    Inquiry_ID VARCHAR(10) NOT NULL,
    Phone_No VARCHAR(15) NOT NULL,
    PRIMARY KEY (Inquiry_ID),
    FOREIGN KEY (Inquiry_ID) REFERENCES Inquiry(Inquiry_ID)
);

CREATE TABLE Customer_Support (
    Support_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    F_Name VARCHAR(50) NOT NULL,
    L_Name VARCHAR(50) NOT NULL,
    House_No VARCHAR(10) NOT NULL,
    Street VARCHAR(50) NOT NULL,
    City VARCHAR(50) NOT NULL,
    Email VARCHAR(50) UNIQUE NOT NULL,C_Password VARCHAR(50) NOT NULL,
    DOB DATE NOT NULL
);

CREATE TABLE Customer_Support_Phone (
    Support_ID VARCHAR(10) NOT NULL,
    Phone_No VARCHAR(10) NOT NULL,
    PRIMARY KEY (Support_ID),
    FOREIGN KEY (Support_ID) REFERENCES Customer_Support(Support_ID)
);

CREATE TABLE Payment (
    Payment_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    Payment_Method VARCHAR(50) NOT NULL,
    Amount DECIMAL(10, 2) NOT NULL
);

CREATE TABLE Makes (
    User_ID VARCHAR(10) NOT NULL,
    Payment_ID VARCHAR(10) NOT NULL,
    Pay_Date DATE NOT NULL,
    PRIMARY KEY (Payment_ID),
    FOREIGN KEY (User_ID) REFERENCES Registered_User(User_ID),
    FOREIGN KEY (Payment_ID) REFERENCES Payment(Payment_ID)
);
```

```sql
CREATE TABLE Feedback (
    Feedback_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    User_ID VARCHAR(10) NOT NULL,
    Feedback_Comment TEXT NOT NULL,
    FOREIGN KEY (User_ID) REFERENCES Registered_User(User_ID)
);

CREATE TABLE Post(
    User_ID VARCHAR(10) NOT NULL,
    Feedback_ID VARCHAR(10),
    Post_Date DATE NOT NULL,
    PRIMARY KEY (Feedback_ID),
    FOREIGN KEY (User_ID) REFERENCES Registered_User(User_ID),
    FOREIGN KEY (Feedback_ID) REFERENCES Feedback(Feedback_ID)
);

CREATE TABLE Admin (
    Admin_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    F_Name VARCHAR(20) NOT NULL,
    L_Name VARCHAR(20) NOT NULL,
    Email VARCHAR(100) UNIQUE NOT NULL,
    A_Password VARCHAR(50) NOT NULL,
    DOB DATE NOT NULL,
    House_No VARCHAR(10) NOT NULL,
    Street VARCHAR(100) NOT NULL,
    City VARCHAR(50) NOT NULL
);

CREATE TABLE Admin_Phone (
    Admin_ID VARCHAR(10) NOT NULL,
    Phone_No VARCHAR(10) NOT NULL,
    PRIMARY KEY (Admin_ID),
    FOREIGN KEY (Admin_ID) REFERENCES Admin(Admin_ID)
);

CREATE TABLE Admin_Report (
    R_ID VARCHAR(10) PRIMARY KEY,
    Admin_ID VARCHAR(10),
    R_Status VARCHAR(50),
    R_Date DATE,
    Usage VARCHAR(50),
    Security VARCHAR(50),
    FOREIGN KEY (Admin_ID) REFERENCES Admin(Admin_ID)
);
```

```sql
CREATE TABLE Financial_Manager (
    Financial_Manager_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    F_Name VARCHAR(20) NOT NULL,
    L_Name VARCHAR(20) NOT NULL,
    Email VARCHAR(50) UNIQUE NOT NULL,
    F_Password VARCHAR(50) NOT NULL,
    House_No VARCHAR(10) NOT NULL,
    Street VARCHAR(100) NOT NULL,
    City VARCHAR(50) NOT NULL,
    DOB DATE NOT NULL
);

CREATE TABLE Financial_Manager_Phone (
    Financial_Manager_ID VARCHAR(10) NOT NULL,
    Phone_No VARCHAR(10) NOT NULL,
    PRIMARY KEY (Financial_Manager_ID),
    FOREIGN KEY (Financial_Manager_ID) REFERENCES Financial_Manager(Financial_Manager_ID)
);

CREATE TABLE Financial_Manager_Report (
    R_ID VARCHAR(10) PRIMARY KEY NOT NULL,
    Financial_Manager_ID VARCHAR(10) NOT NULL,
    R_Status VARCHAR(50) NOT NULL,
    R_Date DATE NOT NULL,
    Financial VARCHAR(50) NOT NULL,
    FOREIGN KEY (Financial_Manager_ID) REFERENCES Financial_Manager(Financial_Manager_ID)
);
```

6.2 Data Store in Database

```sql
INSERT INTO Registered_User(User_ID, F_Name, L_Name, Email, U_Password, House_No, Street, City, DOB)
VALUES
('U0001','Chathurya','Wickramasinghe','chathurya2003@gmail.com','1234','10/A','3rd lane','Nugegoda','12/08/2003'),
('U0002','Brian','Fernando','brianfernando@gmail.com','12/B','4567','3rd lane','Kandy','11/05/1999'),
('U0003','Teena','Andrea','teenaandrea@gmail.com','15/A','6789','4th lane','Baththaramulla','12/08/2001'),
('U0004','John','Edwerd','edwerdjohn@gmail.com','1/F','1546','5th lane','Nugegoda','12/08/2003'),
('U0005','Jantith','Wickramasinghe','janith200@gmail.com','8546','10/A','3rd lane','Nugegoda','12/08/2000');


INSERT INTO Registered_User_Phone (User_ID , Phone_No )
VALUES
('U0001','0770505055'),
('U0002','0770535474'),
('U0003','0744214365'),
('U0004','0770554544'),
('U0005','0770687853');


INSERT INTO Advertisement (Advertisement_ID, Title, Price, Location, Description, Ad_Category)
VALUES
('AD0001', 'Brand New Laptop', 1200.50, 'Kandy, Sri Lanka', 'Laptop with latest processor and graphics card.', 'Electronics'),
('AD0002', 'Used Car in Excellent Condition', 15000.00, 'Colombo, Sri Lanka', 'Well maintained carwith low mileage.', 'Vehicles'),
('AD0003', 'Comfortable Sofa Set', 500.00, 'Nuwara Eliya, Sri Lanka', 'Relaxing sofa set with cushions.', 'Furniture'),
('AD0004', 'Stylish Dress for Sale', 35.99, 'Galle, Sri Lanka', 'Beautiful dress, perfect for any occasion.', 'Clothing'),
('AD0005', 'Beginner Guitar', 100.00, 'Jaffna, Sri Lanka', 'Great guitar for learning musicians.','Musical Instruments');


INSERT INTO Publish (User_ID, Advertisement_ID, Ad_Date)
VALUES
('U0001', 'AD0001', '12/03/2024'),
('U0002', 'AD0002', '12/07/2023'),
('U0003', 'AD0003', '12/10/2023'),
('U0004', 'AD0004', '12/11/2023'),
('U0005', 'AD0005', '12/12/2023');


INSERT INTO Inquiry (Inquiry_ID, Email, I_Date, Inquiry)
VALUES
('I0001', 'chathurya2003@gmail.com', '2022-01-10', 'I cant contact support'),
('I0002', 'brianfernando@gmail.com', '2023-01-10', 'I want to change my profile'),
('I0003', 'teenaandrea@gmail.com', '2024-05-25', 'I want to delete my profile'),
('I0004', 'edwerdjohn@gmail.com', '2024-05-01', 'I want to remove my advertisements'),
('I0005', 'janith200@gmail.com', '2023-10-08', 'I want to recover my account');


INSERT INTO Inquiry_Phone(Inquiry_ID , Phone_No )
VALUES
('I0001','0770505055'),
('I0002','0770535474'),
('I0003','0744214365'),
```

```sql
('I0004','0770554544'),
('I0005','0770687853');

INSERT INTO Customer_Support(Support_ID , F_Name , L_Name , Email , C_Password , House_No, Street,City ,DOB )
VALUES
('C0001','Chanaka','Wickramasinghe','chanaka2003@gmail.com','1234','10/A','3rd lane','Nugegoda','12/08/2003'),
('C0002','Banuka','Fernando','banukafernando@gmail.com','12/B','4567','3rd lane','Kandy','11/05/1999'),
('C0003','Taniya','Andrea','taniyaaandrea@gmail.com','15/A','6789','4th lane','Baththaramulla','12/08/2001'),
('C0004','Jane','Edwerd','edwerdjane@gmail.com','1/F','1546','5th lane','Nugegoda','12/08/2003'),
('C0005','Janet','Wickramasinghe','janet200@gmail.com','8546','10/A','3rd lane','Nugegoda','12/08/2000');


INSERT INTO Customer_Support_Phone(Support_ID,Phone_No)
VALUES
('C0001', '0770505055'),
('C0002', '0770535474'),
('C0003', '0744214365'),
('C0004', '0770554544'),
('C0005', '0770687853');


INSERT INTO Payment (Payment_ID, Payment_Method, Amount)
VALUES
('P0001', 'VISA', 1000),
('P0002', 'MASTER', 5000),
('P0003', 'VISA', 6000),
('P0004', 'VISA', 7000),
('P0005', 'MASTER', 8000);


INSERT INTO Makes (User_ID, Payment_ID, Pay_Date)
VALUES
('U0001', 'P0001', '2024-12-20'),
('U0002', 'P0002', '2024-10-20'),
('U0003', 'P0003', '2024-08-20'),
('U0004', 'P0004', '2024-06-20'),
('U0005', 'P0005', '2024-04-20');


INSERT INTO Feedback (Feedback_ID, User_ID, Feedback_Comment)
VALUES
('F0001', 'U0001', 'Great service, will come back again!'),
('F0002', 'U0002', 'Excellent experience, highly recommended.'),
('F0003', 'U0003', 'Good, but room for improvement.'),
('F0004', 'U0004', 'Average service, nothing special'),
('F0005', 'U0005', 'Poor service, would not recommend.');


INSERT INTO Post (User_ID, Feedback_ID, Post_Date)
VALUES
('U0001', 'F0001', '2024-01-10'),
('U0002', 'F0002', '2024-02-12'),
('U0003', 'F0003', '2024-03-15'),
('U0004', 'F0004', '2024-04-20'),
('U0005', 'F0005', '2024-05-25');
```

```sql
INSERT INTO Admin (Admin_ID, F_Name, L_Name, Email, A_Password, House_No, Street, City, DOB)
VALUES
('A0001', 'Dinudi', 'Haputhanthri', 'dinudi2003@gmail.com', '1234', '10/A', '3rd lane', 'Nugegoda','2003-08-12'),
('A0002', 'Hashi', 'Fernando', 'hasi@gmail.com', '4568', '12/B', '3rd lane', 'Kandy', '1999-05-11'),
('A0003', 'Henuka', 'Perera', 'henuka@gmail.com', '5468', '15/A', '4th lane', 'Baththaramulla','2001-08-12'),
('A0004', 'Tharusha', 'Wanasinghe', 'tharusha@gmail.com', '1545', '1/F', '5th lane', 'Nugegoda','2003-08-12'),
('A0005', 'Hishen', 'Perera', 'hishen@gmail.com', '10/A', '8792', '3rd lane', 'Nugegoda', '2000-08-12');


INSERT INTO Admin_Phone (Admin_ID , Phone_No )
VALUES
('A0001','0770505055'),
('A0002','0770535474'),
('A0003','0744214365'),
('A0004','0770554544'),
('A0005','0770687853');


INSERT INTO Admin_Report (R_ID, Admin_ID, R_Status, R_Date, Usage, Security)
VALUES
('R0001', 'A0001', 'Approved', '2024-02-10', 'GOOD', 'STRONG'),
('R0002', 'A0002', 'Unapproved', '2024-02-10', 'BAD', 'WEAK'),
('R0003', 'A0003', 'Approved', '2024-02-10', 'GOOD', 'MODERATE'),
('R0004', 'A0004', 'Unapproved', '2024-02-10', 'BAD', 'LOW'),
('R0005', 'A0005', 'Unapproved', '2024-02-10', 'BAD', 'CRITICAL');


INSERT INTO Financial_Manager (Financial_Manager_ID, F_Name, L_Name, Email, F_Password, House_No,
Street, City, DOB)
VALUES
('F0001', 'Dinudi', 'Haputhanthri', 'dinudi2003@gmail.com','1234','10/A', '3rd lane', 'Nugegoda','2003-08-12'),
('F0002', 'Hashi', 'Fernando', 'hasi@gmail.com', '12/B','4567','3rd lane', 'Kandy', '1999-05-11'),
('F0003', 'Henuka', 'Perera', 'henuka@gmail.com', '15/A','4321','4th lane', 'Baththaramulla','2001-08-12'),
('F0004', 'Tharusha', 'Wanasinghe', 'tharusha@gmail.com','7897','1/F', '5th lane', 'Nugegoda','2003-08-12'),
('F0005', 'Hishen', 'Perera', 'hishen@gmail.com', '10/A','6845','3rd lane', 'Nugegoda', '2000-08-12');


INSERT INTO Financial_Manager_Phone (Financial_Manager_ID, Phone_No)
VALUES
('F0001','0775846213'),
('F0002','0775847846'),
('F0003','0755426231'),
('F0004','0782636263'),
('F0005','0775846453');


INSERT INTO Financial_Manager_Report (R_ID, Financial_Manager_ID, R_Status, R_Date, Financial)
VALUES
('FR0001', 'F0001', 'SUCCESS', '2023-12-10', 'GOOD'),
('FR0002', 'F0002', 'UNSUCCESS', '2023-12-10', 'BAD'),
('FR0003', 'F0003', 'UNSUCCESS', '2023-12-10', 'BAD'),
('FR0004', 'F0004', 'SUCCESS', '2023-12-10', 'GOOD'),
('FR0005', 'F0005', 'SUCCESS', '2023-12-10', 'GOOD');
```

7.   Performance Requirements

AdHandiya, an online advertising agency, runs a dynamic platform that connects marketers with their target audience smoothly to optimize performance.

1. Once a user logs into the system, the system quickly identifies the user and authorizes them to access the system.
2. The system should allow users to access the system from any location at any time, using any device.
3. The system should have the ability for users to ask for help through a support page if they have issues with ads.
4. Users can give feedback easily if they have problems with ads.
5. The admin should have the ability to upgrade and manage the system at any time.
6. Registered users should be able to easily put ads on the system.
7. The system should directly address any concern or problem emerging by users regarding posting an advertisement.
8. The system should address the user's problems and issues related to the advertisement on time.

8.   Security Requirements

1. The system must verify the credentials of users logging in to access the system.
2. When the users sign into the system, they must confirm that they are registered users of the online advertising system.
3. Each registered user is allowed to have only one profile account in the online advertising system.
4. Encrypt all the information for an additional layer of security within the system.
5. The payment details of the users must be protected in terms of safeguarding their confidentiality within the system.
6. The system needs to recognize bots and take necessary measures to stop their access to the system.
7. Guarantee the security of the preferences given by the views changes to the system.