***+ANUDIP FOUNDATION***

A Project Report on

**TOURISM MANAGEMENT SYSTEM**

By

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**TOURISM MANAGEMENT SYSTEM**

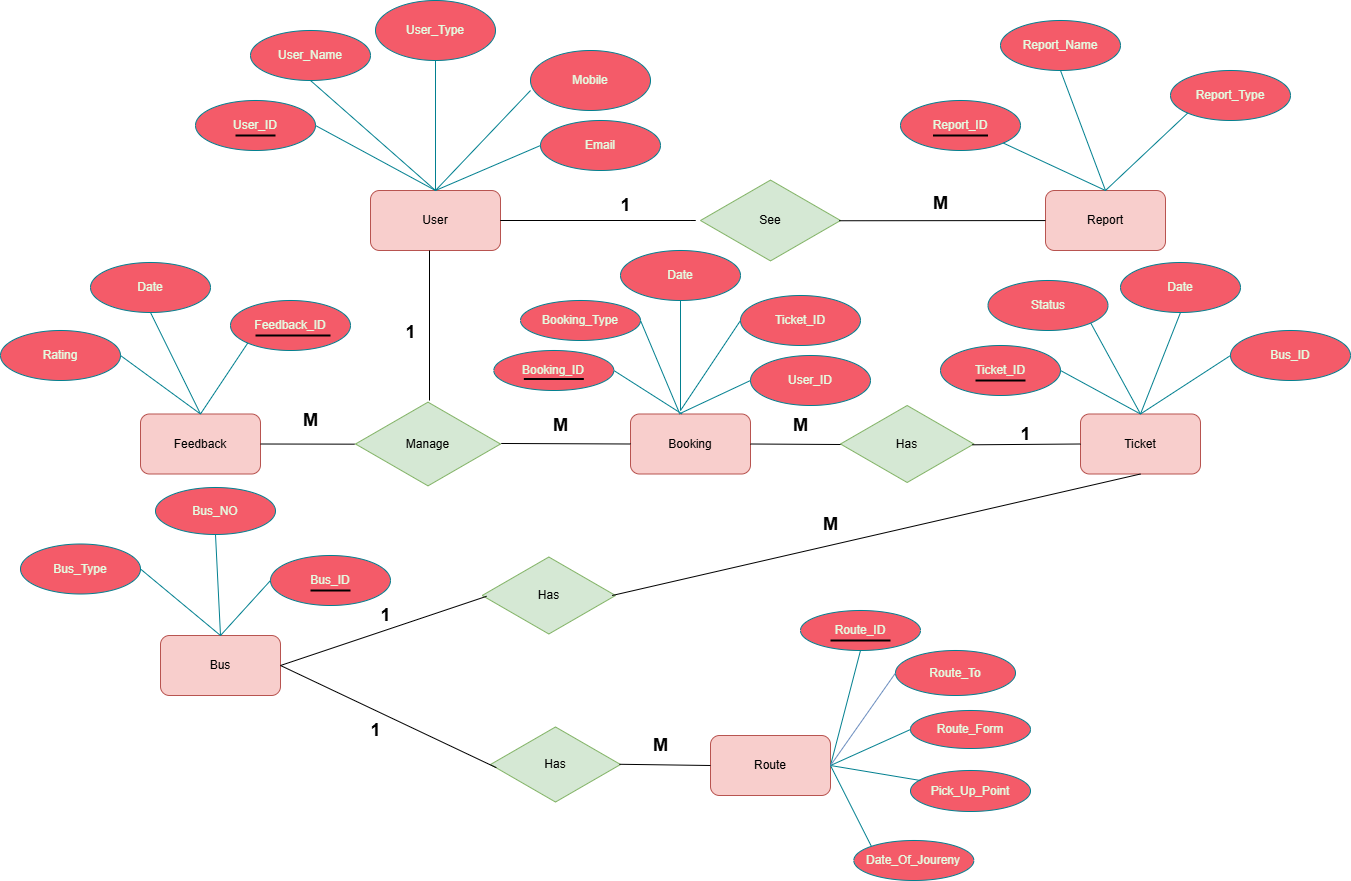
**Introducing our Java-based Tourism Management System (TMS):**  
Efficiently manage and oversee every aspect of tourism services with our intuitive system. From managing user registrations and booking tickets to handling bus schedules, tracking routes, generating reports, and collecting feedback, our Tourism Management System (TMS) empowers travel agencies and service providers to streamline operations, enhance customer satisfaction, and ensure smooth and efficient travel experiences.

**Entities**

* User
* Booking
* Report
* Ticket
* Bus
* Route
* Feedback

**ATTRIBUTES OF ENTITIES:**

1. **User**
   * **Primary Key: User\_ID**
   * **Attributes : User\_Name, Email, Mobile, User\_Type**
2. **Booking**
   * **Primary Key: Booking \_ID**
   * **Attributes: Booking\_Title, Booking\_Type, Date, RouteTo, RouteFrom, pickUpPoint**
   * **Foreign Key : User\_ID**
3. **Report**
   * **Primary Key: Report \_ID**
   * **Attributes: Report\_Name, Report\_Type**
4. **Ticket**
   * **Primary Key: Ticket\_ID**
   * **Attributes: Status, Date**
   * **Foreign Key: Bus\_ID, Booking\_ID**
5. **Bus**
   * **Primary Key: Bus\_ID**
   * **Attributes: Bus\_No, Bus\_Type**
6. **Route**
   * **Primary Key: Route\_ID**
   * **Attributes: Route\_To, Route\_From, Pick\_Up\_Point, Date\_Of\_Journey**
   * **Foreign Key : Bus\_ID**
7. **Feedback**
   * **Primary Key: Feedback\_ID**
   * **Attributes: Date, Rating**
   * **Foreign Key : User\_ID**

**ENTITY RELATIONSHIP DIAGRAM – TOURISM MANAGEMENT SYSTEM** 

**CONCLUSION:**

In summary, the Tourism Management System (TMS) offers a comprehensive solution designed to optimize and automate various aspects of tourism operations. By integrating essential modules such as User management, Booking, Ticketing, Bus and Route coordination, Report generation, and Feedback collection, the system enhances operational efficiency, accuracy, and user satisfaction across the tourism workflow. It enables seamless communication between users and administrators, ensuring timely bookings, well-organized travel routes, and prompt support. Furthermore, real-time access to critical data such as user activity, booking history, route schedules, and user feedback empowers administrators to make informed decisions and continuously improve service quality. Overall, the TMS plays a vital role in modernizing tourism operations, streamlining services, and delivering a smooth and satisfying travel experience for all stakeholders.

**DATABASE CREATION QUERY:**

**1️. Users Table**

**CREATE TABLE users (**

**User\_ID INT PRIMARY KEY,**

**User\_Name VARCHAR(100),**

**User\_Type VARCHAR(50),**

**Mobile VARCHAR(15),**

**Email VARCHAR(100)**

**);**

**2️. Booking Table**

**CREATE TABLE Bookings (**

**Booking\_ID INT PRIMARY KEY,**

**Booking\_Type VARCHAR(50),**

**Booking\_name VARCHAR(255),**

**Route\_To VARCHAR(255),**

**Route\_From VARCHAR(255),**

**Pick\_Up\_Point VARCHAR(255),**

**Date DATE,**

**FOREIGN KEY (User\_id) REFERENCES Users(User\_id)**

**);**

**3️. Reports Table**

**CREATE TABLE Reports (**

**Report\_ID INT PRIMARY KEY,**

**Report\_Name VARCHAR(100),**

**Report\_Type VARCHAR(50)**

**);**

**4️. Tickets Table**

**CREATE TABLE Tickets (**

**Ticket\_ID INT PRIMARY KEY,**

**date Varchar(255),**

**status VARCHAR(255),**

**FOREIGN KEY (booking\_id) REFERENCES booking(booking\_id),**

**FOREIGN KEY (bus\_id) REFERENCES buses(bus\_id)**

**);**

**5️. Buses Table**

**CREATE TABLE Buses (**

**Bus\_ID INT PRIMARY KEY,**

**Bus\_No VARCHAR(255),**

**Bus\_Type VARCHAR(255),**

**Total\_Seats INT NOT NULL**

**);**

**6️. Routes Table**

**CREATE TABLE Routes (**

**Route\_ID INT PRIMARY KEY,**

**Route\_To VARCHAR(255),**

**Route\_From VARCHAR(255),**

**Pick\_Up\_Point VARCHAR(255),**

**Date\_Of\_Journey DATE,**

**FOREIGN KEY (bus\_id) REFERENCES buses(bus\_id)**

**);**

**7️. Feedbacks Table**

**CREATE TABLE Feedbacks (**

**Feedback\_ID INT PRIMARY KEY,**

**Rating INT,**

**Date\_Of\_feedback DATE,**

**Experience VARCHAR(500),**

**user\_email VARCHAR(255),**

**user\_name VARCHAR(255),**

**FOREIGN KEY (user\_id) REFERENCES Users(user\_id),**

**);**