**DDL Script**

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| CREATE SCHEMA eTourism;  SET SEARCH\_PATH TO eTourism;  CREATE TABLE City(  CityID VARCHAR(8),  CityName VARCHAR(15) NOT NULL,  State VARCHAR(20) NOT NULL ,  PRIMARY KEY (CityID)  );  CREATE TABLE InterCityTransortation (  CityID1 VARCHAR(8),  CityID2 VARCHAR(8),  AvgCostOfTrain DECIMAL(10,2),  AvgCostOfBus DECIMAL(10,2),  AvgCostOfFlight DECIMAL(10,2),  Distance DECIMAL(7,2) NOT NULL,  PRIMARY KEY (CityID1, CityID2),  FOREIGN KEY (CityID1) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE,  FOREIGN KEY (CityID2) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE IntraCityTransport (  "Type" VARCHAR(10),  CityID VARCHAR(8),  AvgCostPerKm DECIMAL(3,2),  PRIMARY KEY ("Type",CityID),  FOREIGN KEY (CityID) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE Places(  Pname VARCHAR(20),  Block VARCHAR(10),  Street VARCHAR(20),  Area VARCHAR(20),  Rating DECIMAL(3,2),  Category VARCHAR(25),  BestTimeToVisit VARCHAR(8),  CityID VARCHAR(8),  PRIMARY KEY (Pname, Block, Street, Area),  FOREIGN KEY (CityID) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE Restaurants(  ResID VARCHAR(10),  ResName VARCHAR(15) NOT NULL,  block VARCHAR(40) NOT NULL,  Street VARCHAR(40) NOT NULL,  area VARCHAR(40) NOT NULL,  Rating DECIMAL(3,2),  AvgCostPerPerson DECIMAL(7,2),  OpeningHours TIME,  ClosingHours TIME,  Cuisines VARCHAR(15),  AcFacility INTEGER,  WiFiFacility INTEGER,  Jain INTEGER,  Veg INTEGER,  NonVeg INTEGER,  CityID VARCHAR(8),  PRIMARY KEY (ResID),  FOREIGN KEY (CityID) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE "User"(  LoginID VARCHAR(8),  UserName VARCHAR(25) NOT NULL,  EmailID VARCHAR(25) NOT NULL,  ContactNo CHAR(10) NOT NULL,  "Password" VARCHAR(30) NOT NULL,  PRIMARY KEY (LoginID)  );  CREATE TABLE ViewHistory(  LoginID VARCHAR(8),  Count INTEGER,  CityID VARCHAR(8),  PRIMARY KEY (LoginID,CityID),  FOREIGN KEY (CityID) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE,  FOREIGN KEY (LoginID) REFERENCES "User"(LoginID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE Hotels(  HotelID VARCHAR(8),  HotelName VARCHAR(8) NOT NULL,  Rating DECIMAL(3,2),  TransactionAccNo CHAR(20) NOT NULL,  Block VARCHAR(10),  Street VARCHAR(20),  Area VARCHAR(20),  CityID VARCHAR(8),  FOREIGN KEY (CityID) REFERENCES City(CityID)  ON DELETE CASCADE ON UPDATE CASCADE,  PRIMARY KEY (HotelID)  );  CREATE TABLE RoomType (  TypeName VARCHAR(10),  HotelID VARCHAR(6),  CostPerDay DECIMAL(7,2),  NoOfPeoplePerRoom INTEGER,  RoomsAvailable INTEGER,  PRIMARY KEY (TypeName, HotelID),  FOREIGN KEY (HotelID) REFERENCES Hotels(HotelID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE PromoCode (  PromoID VARCHAR(8),  Validity DATE NOT NULL,  Discount DECIMAL(5,2) NOT NULL,  PRIMARY KEY (PromoID)  );  CREATE TABLE PromoCodeAvailableToUser (  PromoID VARCHAR(8),  LoginID VARCHAR(8),  PRIMARY KEY (PromoID, LoginID),  FOREIGN KEY (LoginID) REFERENCES "User"(LoginID)  ON DELETE CASCADE ON UPDATE CASCADE,  FOREIGN KEY (PromoID) REFERENCES PromoCode(PromoID)  ON DELETE CASCADE ON UPDATE CASCADE  );  CREATE TABLE Booking(  TransactionID CHAR(10)  LoginID VARCHAR(8),  HotelID VARCHAR(6),  BookingDate DATE,  BookingTime TIME,  PromoID VARCHAR(8),  TypeName VARCHAR(10),  CheckinDate DATE NOT NULL,  CheckOutDate DATE NOT NULL,  NoOfRoomsBooked INTEGER NOT NULL,  PRIMARY KEY (TransactionID),  FOREIGN KEY (PromoID, LoginID) REFERENCES PromoCodeAvailableToUser(PromoID, LoginID)  ON DELETE CASCADE ON UPDATE CASCADE,  FOREIGN KEY (TypeName, HotelID) REFERENCES RoomType(TypeName, HotelID)  ON DELETE CASCADE ON UPDATE CASCADE  ); |