

```
-- SCHEMA: Tourism_Management_System
-- DROP SCHEMA "Tourism_Management_System" ;
DROP SCHEMA Tourism_Management_System CASCADE;
CREATE SCHEMA Tourism_Management_System;
SET search_path TO Tourism_Management_System;
```

```
CREATE SEQUENCE aadhar_sequence
start 204010567970
increment 2;
```

```
ALTER SEQUENCE aadhar_sequence RESTART WITH 204010567970;
```

```
CREATE SEQUENCE g_aadhar_sequence
start 304010567972
increment 3;
```

```
ALTER SEQUENCE g_aadhar_sequence RESTART WITH 304010567972;
```

```
--USER-----
CREATE TABLE "User"(
UserAadharNo BIGSERIAL PRIMARY KEY,
Fname VARCHAR(10) NOT NULL,
Lname VARCHAR(10) NOT NULL,
Email VARCHAR(20) NOT NULL,
Phone Numeric(10) NOT NULL,
IsActive BOOLEAN DEFAULT TRUE,
Gender CHAR(1) CHECK (GENDER IN('M','F','O')),
AGE int
);
```

```
--CoPassenger-----
CREATE TABLE COPASSENGER(
UserAadharNo BIGSERIAL NOT NULL REFERENCES "User"(UserAadharNo),
CoPassID int NOT NULL,
Fname VARCHAR(10) NOT NULL,
Lname VARCHAR(10) NOT NULL,
Email VARCHAR(20),
Phone DECIMAL(12,0),
Gender CHAR(1) CHECK (GENDER IN('M','F','O')),
AGE int,
PRIMARY KEY(UserAadharNo,CoPassID)
);
```

```
--Booking-----
CREATE TABLE BOOKING(
BID int GENERATED ALWAYS AS IDENTITY UNIQUE,
UserAadharNo BIGSERIAL REFERENCES "User"(UserAadharNo) NOT NULL,
Booking_Date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
TripStart_Date Date NOT NULL,
TripEnd_Date Date NOT NULL,
Amount float,
BookingType CHAR(1) CHECK (BookingType IN('H', 'P')),
PRIMARY KEY(BID)
);
```

--Booking CoPassenger-----

```
CREATE TABLE BOOKING_COPASSENGER(  
  BID int NOT NULL REFERENCES BOOKING(BID),  
  UserAadharNo BIGSERIAL NOT NULL,  
  CoPassID int NOT NULL,  
  FOREIGN KEY(UserAadharNo,CoPassID) REFERENCES COPASSENGER(UserAadharNo,CoPassID) ,  
  PRIMARY KEY(BID,UserAadharNo,CoPassID)  
);
```

--PACKAGE-----

```
CREATE TABLE PACKAGE(  
  PACKAGEID int PRIMARY KEY GENERATED ALWAYS AS IDENTITY,  
  TITLE VARCHAR(15) NOT NULL,  
  DURATION int,  
  NO_OF_PEOPLE int,  
  IsActive BOOLEAN DEFAULT TRUE,  
  AMOUNT float  
);
```

--Booking Package-----

```
CREATE TABLE BOOKING_FOR_PACKAGE(  
  BID int PRIMARY KEY REFERENCES BOOKING(BID),  
  PACKAGEID int NOT NULL REFERENCES PACKAGE(PACKAGEID)  
);
```

--Location-----

```
CREATE TABLE LOCATION(  
  PINCODE Numeric(6) PRIMARY KEY,  
  CITY VARCHAR(30),  
  "state" VARCHAR(30)  
);
```

--Tourist Spot-----

```
CREATE TABLE TOURIST_SPOTS(  
  SPOTID int PRIMARY KEY GENERATED ALWAYS AS IDENTITY,  
  "Name" VARCHAR(20) NOT NULL,  
  SEASON VARCHAR(10),  
  RATINGS FLOAT CHECK (RATINGS>=0 AND RATINGS<=5),  
  ADDRESS VARCHAR(100),  
  PINCODE Numeric(6) REFERENCES LOCATION(PINCODE)  
);
```

--Package Tourist Spots-----

```
CREATE TABLE Package_Includes_Spots(  
  PACKAGEID int NOT NULL REFERENCES PACKAGE(PACKAGEID),  
  SPOTID int NOT NULL REFERENCES TOURIST_SPOTS(SPOTID) ON UPDATE CASCADE ON DELETE  
  CASCADE,  
  PRIMARY KEY(PACKAGEID,SPOTID)  
);
```

--GUIDE-----

```
CREATE TABLE GUIDE(  

```

```
GuideAadharNo BIGSERIAL PRIMARY KEY,  
Fname VARCHAR(10) NOT NULL,  
Lname VARCHAR(10) NOT NULL,  
Email VARCHAR(20),  
Phone Numeric(10) NOT NULL,  
Gender CHAR(1) CHECK (GENDER IN('M','F','O')),  
AGE int,  
ADDRESS VARCHAR(100),  
PINCODE Numeric(6) REFERENCES LOCATION(PINCODE)  
);
```

```
--Package GUIDE-----  
CREATE TABLE Package_ Includes_Guides(  
PACKAGEID int NOT NULL REFERENCES PACKAGE(PACKAGEID),  
GuideAadharNo BIGSERIAL NOT NULL REFERENCES GUIDE(GuideAadharNo) ON DELETE CASCADE,  
PRIMARY KEY(PACKAGEID,GuideAadharNo)  
);
```

```
--RESTAURANTS-----  
CREATE TABLE RESTAURANT(  
RID int PRIMARY KEY GENERATED ALWAYS AS IDENTITY,  
"Name" VARCHAR(50) NOT NULL,  
PHONE Numeric(10),  
FOODTYPE VARCHAR(20) CHECK (FOODTYPE IN('VEG','NON-VEG','BOTH')),  
RATINGS float CHECK (RATINGS>=0 AND RATINGS<=5),  
ADDRESS VARCHAR(100),  
PINCODE Numeric(6) REFERENCES LOCATION(PINCODE)  
);
```

```
--Restaurant Cuisines-----  
CREATE TABLE RESTAURANT_CUISINES(  
RID int NOT NULL REFERENCES RESTAURANT(RID) ON DELETE CASCADE,  
CUISINES VARCHAR(20) NOT NULL,  
PRIMARY KEY(RID,CUISINES)  
);
```

```
--Hotels-----  
CREATE TABLE HOTEL(  
HOTELID int PRIMARY KEY GENERATED ALWAYS AS IDENTITY,  
"Name" VARCHAR(50) NOT NULL,  
PHONE Numeric(10),  
FOODTYPE VARCHAR(20) CHECK (FOODTYPE IN('VEG','NON-VEG','BOTH')),  
RATINGS float CHECK (RATINGS>=0 AND RATINGS<=5),  
ADDRESS VARCHAR(100),  
IsActive BOOLEAN DEFAULT TRUE,  
PINCODE Numeric(6) REFERENCES LOCATION(PINCODE)  
);
```

```
--Hotel_Services-----  
CREATE TABLE HOTEL_SERVICES(  
HOTELID int NOT NULL REFERENCES HOTEL(HOTELID),  
SERVICES VARCHAR(50) NOT NULL,  
PRIMARY KEY(HOTELID,SERVICES)  
);
```

--ROOMS-----

```
CREATE TABLE ROOM(  
HOTELID int NOT NULL REFERENCES HOTEL(HOTELID),  
ROOM_NO DECIMAL(3,0) NOT NULL,  
PRIMARY KEY(HOTELID,ROOM_NO),  
"Type" VARCHAR(6) CHECK( "Type" IN('AC','NON-AC','HEATER')),  
BEDS int CHECK(BEDS>0),  
CAPACITY int CHECK(CAPACITY>0),  
RATE FLOAT,  
STATUS VARCHAR(15) CHECK (STATUS IN('AVAILABLE','NOT-AVAILABLE','BOOKED'))  
);
```

--ROOM FACILITIES-----

```
CREATE TABLE ROOM_FACILITIES(  
HOTELID int NOT NULL,  
ROOM_NO int NOT NULL,  
FACILITY VARCHAR(50) NOT NULL,  
FOREIGN KEY (HOTELID,ROOM_NO) REFERENCES ROOM(HOTELID,ROOM_NO),  
PRIMARY KEY(HOTELID,ROOM_NO,FACILITY)  
);
```

--Package_Hotel-----

```
CREATE TABLE Package_Includes_Hotels(  
PACKAGEID int NOT NULL REFERENCES PACKAGE(PACKAGEID) ,  
HOTELID int NOT NULL,  
ROOM_NO int NOT NULL,  
FOREIGN KEY (HOTELID,ROOM_NO) REFERENCES ROOM(HOTELID,ROOM_NO),  
PRIMARY KEY(PACKAGEID,HOTELID,ROOM_NO)  
);
```

--Booking Hotel-----

```
CREATE TABLE Booking_For_Hotel(  
BID int REFERENCES BOOKING(BID) NOT NULL,  
HOTELID int NOT NULL,  
ROOM_NO int NOT NULL,  
FOREIGN KEY (HOTELID,ROOM_NO) REFERENCES ROOM(HOTELID,ROOM_NO),  
PRIMARY KEY(BID,HOTELID,ROOM_NO)  
);
```