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**Database Script for Room Booking**

DROP DATABASE roomBookingProject;

CREATE DATABASE roomBookingProject;

USE roomBookingProject;

CREATE TABLE LogIn(

userName VARCHAR(30) NOT NULL,

password VARCHAR(30) NOT NULL,

CONSTRAINT PRIMARY KEY (userName)

);

CREATE TABLE User(

userId INT NOT NULL AUTO\_INCREMENT,

userName VARCHAR(40) NOT NULL,

nic VARCHAR(15) NOT NULL,

telephoneNo VARCHAR(20),

CONSTRAINT PRIMARY KEY (userId)

);

CREATE TABLE Reservation(

reservationId INT NOT NULL AUTO\_INCREMENT,

checkInDate VARCHAR(40),

checkOutDate VARCHAR(40),

noOfAdults INT,

userId INT,

reservationFee DECIMAL(30,2),

status VARCHAR(40),

CONSTRAINT PRIMARY KEY (reservationId),

CONSTRAINT FOREIGN KEY (userId) REFERENCES User(userId)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Departing(

departingId INT NOT NULL AUTO\_INCREMENT,

reservationId INT NOT NULL,

checkOutDate VARCHAR(40),

CONSTRAINT PRIMARY KEY (departingId),

CONSTRAINT FOREIGN KEY (reservationId) REFERENCES Reservation (reservationId)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Payment(

reservationId INT NOT NULL,

paymentId INT NOT NULL AUTO\_INCREMENT,

paymentMethod VARCHAR(20) NOT NULL,

amount DECIMAL(30,2) NOT NULL,

date DATE,

CONSTRAINT PRIMARY KEY (paymentId),

CONSTRAINT FOREIGN KEY (reservationId) REFERENCES Reservation(reservationId)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Facility(

facilityId INT NOT NULL AUTO\_INCREMENT,

description VARCHAR(40) NOT NULL,

facilityPrice DECIMAL(30,2) NOT NULL,

CONSTRAINT PRIMARY KEY (facilityId)

);

CREATE TABLE FacilityDetail(

facilityDetailId INT NOT NULL AUTO\_INCREMENT,

facilityId INT NOT NULL,

reservationId INT NOT NULL,

price DECIMAL(30,2) NOT NULL,

CONSTRAINT PRIMARY KEY (facilityDetailId),

CONSTRAINT FOREIGN KEY (facilityId ) REFERENCES Facility(facilityId )

ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT FOREIGN KEY (reservationId) REFERENCES Reservation(reservationId)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Room(

roomId INT NOT NULL AUTO\_INCREMENT,

roomType VARCHAR(30) NOT NULL,

roomCategory VARCHAR(30) NOT NULL,

roomFloor INT NOT NULL,

roomPrice DECIMAL(30,2) NOT NULL,

status VARCHAR(10) NOT NULL,

CONSTRAINT PRIMARY KEY (roomId)

);

CREATE TABLE RoomDetail(

roomDetailId INT NOT NULL AUTO\_INCREMENT,

roomId INT NOT NULL,

reservationId INT NOT NULL,

price DECIMAL(30,2) NOT NULL,

CONSTRAINT PRIMARY KEY (roomDetailId),

CONSTRAINT FOREIGN KEY (roomId) REFERENCES Room(roomId)

ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT FOREIGN KEY (reservationId) REFERENCES Reservation(reservationId)

ON UPDATE CASCADE ON DELETE CASCADE

);