**BOOKING DETAILS TABLE -**

CREATE TABLE `booking\_details` (

  `idBooking\_Details` int(11) NOT NULL AUTO\_INCREMENT,

  `purpose` varchar(45) DEFAULT NULL,

  `startDate` varchar(45) DEFAULT NULL,

  `endDate` varchar(45) DEFAULT NULL,

  `startTime` varchar(45) DEFAULT NULL,

  `endTime` varchar(45) DEFAULT NULL,

  `isBooked` enum('available','booked') DEFAULT NULL,

  `idRoom` int(11) DEFAULT NULL,

  `idUser` int(11) DEFAULT NULL,

  PRIMARY KEY (`idBooking\_Details`),

  KEY `FK\_idRoom\_idx` (`idRoom`),

  KEY `FK\_isUser\_idx` (`idUser`),

  CONSTRAINT `FK\_idRoomBooking` FOREIGN KEY (`idRoom`) REFERENCES `user` (`idUser`),

  CONSTRAINT `FK\_isUserBooking` FOREIGN KEY (`idUser`) REFERENCES `user` (`idUser`)

)

**EQUIPMENT TABLE** -

CREATE TABLE `equipment` (

  `idEquipment` int(11) NOT NULL AUTO\_INCREMENT,

  `name` varchar(45) DEFAULT NULL,

  PRIMARY KEY (`idEquipment`)

)

**ROOM TABLE** -

CREATE TABLE `room` (

  `idRoom` int(11) NOT NULL AUTO\_INCREMENT,

  `capacity` int(11) DEFAULT NULL,

  PRIMARY KEY (`idRoom`),

  AUTO\_INCREMENT=101

)

**ROOM EQUIPMENT TABLE** -

CREATE TABLE `room\_equipment` (

  `idRoom\_Equipment` int(11) NOT NULL AUTO\_INCREMENT,

  `typeEquipment` enum('hardware','software') DEFAULT NULL,

  `idRoom` int(11) DEFAULT NULL,

  `idEquipment` int(11) DEFAULT NULL,

  PRIMARY KEY (`idRoom\_Equipment`),

  KEY `FK\_isRoomEquip\_idx` (`idRoom`),

  KEY `FK\_idEquipment\_EquipmentRoom\_idx` (`idEquipment`),

  CONSTRAINT `FK\_idEquipment\_EquipmentRoom` FOREIGN KEY (`idEquipment`) REFERENCES `equipment` (`idEquipment`),

  CONSTRAINT `FK\_idRoom\_EquipmentRoom` FOREIGN KEY (`idRoom`) REFERENCES `room` (`idRoom`)

)

**USER TABLE** -

CREATE TABLE `user` (

  `idUser` int(11) NOT NULL AUTO\_INCREMENT,

  `userName` varchar(45) NOT NULL,

  `phone` varchar(45) NOT NULL,

  `email` varchar(45) NOT NULL,

  `pwd` varchar(45) NOT NULL,

  `userType` varchar(45) NOT NULL,

  PRIMARY KEY (`idUser`)

)

**USER ROOM TABLE** -

CREATE TABLE `user\_room` (

  `idUser\_Room` int(11) NOT NULL AUTO\_INCREMENT,

  `idRoom` int(11) DEFAULT NULL,

  `idUser` int(11) DEFAULT NULL,

  PRIMARY KEY (`idUser\_Room`),

  KEY `FK\_idRoom\_idx` (`idRoom`),

  KEY `FK\_isUser\_idx` (`idUser`),

  CONSTRAINT `FK\_idRoom` FOREIGN KEY (`idRoom`) REFERENCES `room` (`idRoom`),

  CONSTRAINT `FK\_isUser` FOREIGN KEY (`idUser`) REFERENCES `user` (`idUser`)

)

**CODE QUERIES**

**LOGIN** -

select idUser FROM user where email=? and password=?

**REGISTER** -

insert into user (name, phone, email, password) values (?, ?, ?, ?)

**FETCH REGISTERED USERS** -

select \* from user;

FORGOT PASSWORD -

update user SET pwd=? where email=?

**QUERY DATA**

// Login

select idUser FROM user where email="mahesh@gmail.com" and pwd="77668855";

// Register

insert into user(userName, phone, email, pwd, userType) values("Mahesh", "1234568", "mahesh@gmail.com", "77668855", "staff");

insert into user(userName, phone, email, pwd, userType) values("Tagore", "5144563784", "tagore@gmail.com", "90986966", "staff");

insert into user(userName, phone, email, pwd, userType) values("Arshdeep", "5147878575", "arshdeep@gmail.com", "66554477", "staff");

insert into user(userName, phone, email, pwd, userType) values("Akhil", "4386715677", "akhil@gmail.com", "99001100", "staff");

insert into user(userName, phone, email, pwd, userType) values("Aditya", "4389909877", "aditya@gmail.com", "23322332", "staff");

insert into user(userName, phone, email, pwd, userType) values("Tanya", "5141232437", "tanya@gmail.com", "56756757", "staff");

insert into user(userName, phone, email, pwd, userType) values("Philip", "5147890786", "philip@gmail.com", "65656565", "admin");

// Fetch users

select \* from user;

// Forgot password

update user SET pwd="mahesh123" where email="[mahesh@gmail.com](mailto:mahesh@gmail.com)";

// show all rooms created

SELECT \* FROM room;

// Added rooms

insert into room(capacity) value(10);

insert into room(capacity) value(10);

insert into room(capacity) value(5);

insert into room(capacity) value(7);

insert into room(capacity) value(3);

insert into room(capacity) value(8);

// Fetch all the ids of room and user linked table

SELECT \* FROM user\_room;

// All the rooms added by Admin

insert into user\_room(idRoom, idUser) values(101, 7);

insert into user\_room(idRoom, idUser) values(102, 7);

insert into user\_room(idRoom, idUser) values(103, 7);

insert into user\_room(idRoom, idUser) values(104, 7);

insert into user\_room(idRoom, idUser) values(105, 7);

insert into user\_room(idRoom, idUser) values(106, 7);