

```
set search_path = 'Project Hotel';
```

```
CREATE TABLE Brand (
```

brandName	varchar(20)	PRIMARY KEY
,hotelCount	int	DEFAULT 0

```
/*Address & Contact (Building)*/
```

,phone	varchar(10)
,email	varchar(40)
,street_number	int
,street_name	varchar(20)
,city	varchar(20)
,state	varchar(20)
,zip	varchar(6)

```
);
```

```
CREATE TABLE Hotel (
```

brandName	varchar(20)	REFERENCES Brand(brandName) ON UPDATE CASCADE ON DELETE CASCADE
,hotelID	int	PRIMARY KEY
,roomCount	int	DEFAULT 0
,rating	int	CHECK (rating >=0 and rating <=5)

```
/*Address & Contact (Building)*/
```

,phone	varchar(10)
,email	varchar(40)
,street_number	int
,street_name	varchar(20)
,city	varchar(20)
,state	varchar(20)
,zip	varchar(6)

```
);
```

```
CREATE TABLE Room(
```

hotelID	int	REFERENCES Hotel(hotelID) ON UPDATE CASCADE ON DELETE CASCADE
,roomID	int	PRIMARY KEY

```
/*Room info*/
```

,capacity	int
,extendable	boolean
,view	varchar(20)
,amenities	varchar(100)
,price	numeric(10,2)

```
);
```

```
CREATE TABLE Employee (
```

```
/*Person Info*/
```

userID	int	PRIMARY KEY
,SIN	int	
,name	varchar(20)	NOT NULL
,password	varchar(20)	NOT NULL
,dateCreated	timestamp	

,hotelID	int	REFERENCES Hotel(hotelID) ON UPDATE CASCADE ON DELETE CASCADE
,job	varchar(20)	
,salary	numeric(10,2)	

```
/*Address (Personal)*/
```

,phone	varchar(10)
,apt_number	int
,street_number	int
,street_name	varchar(20)
,city	varchar(20)
,state	varchar(20)
,zip	varchar(6)

```
);
```

CREATE TABLE Customer (

/*Person Info*/

userID	int	PRIMARY KEY
,SIN	int	
,name	varchar(20)	NOT NULL
,password	varchar(20)	NOT NULL
,dateCreated	timestamp	

/*a counter to differentiate between bookings made by a particular user*/

,bookingNum	int	DEFAULT 1
-------------	-----	-----------

/*this is necessary (to trick the DB into working) since reservationCurrent has a constraint that imposes this on it's foreign key*/

,UNIQUE (userID, bookingNum)

/*Address (Personal)*/

,phone	varchar(10)
,apt_number	int
,street_number	int
,street_name	varchar(20)
,city	varchar(20)
,state	varchar(20)
,zip	varchar(6)

);

CREATE TABLE ReservationCurrent (

userID	int	REFERENCES Customer(userID) ON UPDATE CASCADE ON DELETE CASCADE
,bookingNum	int	
,PRIMARY KEY (userID, bookingNum)		

/*Reservation Info*/

,hotelID	int	REFERENCES Hotel(hotelID) ON UPDATE CASCADE ON DELETE CASCADE
,roomID	int	REFERENCES Room(roomID) ON UPDATE CASCADE ON DELETE CASCADE
,isRented	boolean	DEFAULT false /*indicates a room is (or has been) occupied*/
,dateBeg	timestamp	
,dateEnd	timestamp	CHECK (dateBeg < dateEnd)
,occupants	int	

/*Extra Info*/

,paymentDue	numeric(10,2)	DEFAULT 0
-------------	---------------	-----------

);

CREATE TABLE ReservationPast (

userID	int
,bookingNum	int
,PRIMARY KEY (userID, bookingNum)	

/*Reservation Info*/

,hotelID	int	
,roomID	int	
,isRented	boolean	DEFAULT false /*indicates a room is (or has been) occupied*/
,dateBeg	timestamp	
,dateEnd	timestamp	
,occupants	int	

/*Room info*/

,capacity	int
,extendable	boolean
,view	varchar(20)
,amenities	varchar(100)
,price	numeric(10,2)

);

GRANT ALL ON ALL TABLES IN SCHEMA "Project Hotel" TO jfarb085,azhao088,mfara016;