CREATE TABLE Customer

(

username VARCHAR(15) NOT NULL,

password VARCHAR(15) NOT NULL,

email VARCHAR(30) NOT NULL,

UNIQUE (email),

PRIMARY KEY(username)

)Engine=InnoDB;

CREATE TABLE Management

(

username VARCHAR(15) NOT NULL,

password VARCHAR(15) NOT NULL,

PRIMARY KEY(username)

)Engine=InnoDB;

CREATE TABLE Payment\_Information

(

Card\_num VARCHAR(20) NOT NULL,

name VARCHAR(30) NOT NULL,

cvv VARCHAR(3) NOT NULL,

expDate DATE NOT NULL,

Holder VARCHAR(15) NOT NULL,

PRIMARY KEY(Card\_num),

FOREIGN KEY (Holder) REFERENCES Customer(username)

)Engine=InnoDB;

CREATE TABLE Hotel\_Review

(

Review\_Num CHAR(10) NOT NULL,

Comment VARCHAR(140),

Rating VARCHAR(4) NOT NULL,

Location VARCHAR(30) NOT NULL,

Author VARCHAR(15) NOT NULL,

PRIMARY KEY(Review\_num),

FOREIGN KEY (Author) REFERENCES Customer(username)

)Engine=InnoDB;

CREATE TABLE Reservation

(

Reservation\_ID BIGINT NOT NULL,

Start\_Date DATE NOT NULL,

End\_Date DATE NOT NULL,

Is\_Cancelled BOOLEAN,

Total\_Cost DOUBLE NOT NULL,

Customer VARCHAR(15) NOT NULL,

Payment\_num CHAR(16) NOT NULL,

PRIMARY KEY(Reservation\_ID),

FOREIGN KEY (Customer) REFERENCES Customer(username)

)Engine=InnoDB;

CREATE TABLE Room

(

Room\_num BIGINT NOT NULL,

Location VARCHAR(30) NOT NULL,

Room\_Category VARCHAR(10) NOT NULL,

Cost\_per\_day DOUBLE NOT NULL,

num\_People INT NOT NULL,

PRIMARY KEY(Room\_num, Location)

)Engine=InnoDB;

CREATE TABLE Extra\_Bed

(

EB\_Room\_num BIGINT NOT NULL,

EB\_Location VARCHAR(30) NOT NULL,

Cost INT NOT NULL,

FOREIGN KEY (EB\_Room\_num, EB\_Location) REFERENCES Room (Room\_num, Location),

PRIMARY KEY (EB\_Room\_num, EB\_Location)

)Engine=InnoDB;

CREATE TABLE Reservation\_Room

(

Reservation\_ID BIGINT NOT NULL,

Room\_num BIGINT NOT NULL,

Room\_Location VARCHAR(30) NOT NULL,

has\_ExtraBed BOOLEAN,

PRIMARY KEY (Reservation\_ID, Room\_num, Room\_Location),

FOREIGN KEY (Reservation\_ID) REFERENCES Reservation(Reservation\_ID),

FOREIGN KEY (Room\_num, Room\_Location) REFERENCES Room(Room\_num, Location)

)Engine=InnoDB;