/\* Creating Tables \*/

/\* Manager Table \*/

CREATE TABLE Manager

(

manager\_id int NOT NULL,

first\_name varchar(20) NOT NULL,

last\_name varchar(20) NOT NULL,

dob DATE NOT NULL,

password varchar(10) NOT NULL,

CONSTRAINT manager\_PK PRIMARY KEY (manager\_id),

CONSTRAINT manager\_password\_check CHECK(

LEN(password)BETWEEN 6 AND 10

AND password LIKE '%[A-Z]%'

AND password LIKE '%[0-9]%'

)

);

/\* Web Admin Table \*/

CREATE TABLE Web\_Admin

(

admin\_id int NOT NULL,

password varchar(10) NOT NULL,

house\_no varchar(15) NOT NULL,

street varchar(30) NOT NULL,

city varchar (30) NOT NULL,

post\_code varchar (20) NOT NULL,

manager\_id int NOT NULL,

CONSTRAINT admin\_PK PRIMARY KEY(admin\_id),

CONSTRAINT admin\_FK FOREIGN KEY(manager\_id) REFERENCES Manager(manager\_id),

CONSTRAINT admin\_password\_check CHECK(

LEN(password) BETWEEN 6 AND 10

AND password LIKE '%[A-Z]%'

AND password LIKE '%[0-9]%'

)

);

/\* Reservation Table \*/

CREATE TABLE Reservation

(

res\_id int NOT NULL,

first\_name varchar(30) NOT NULL,

last\_name varchar (30) NOT NULL,

date DATE NOT NULL,

time TIME NOT NULL,

no\_of\_person int NOT NULL,

admin\_id int NOT NULL,

CONSTRAINT reservation\_PK PRIMARY KEY(res\_id),

CONSTRAINT reservation\_FK FOREIGN KEY (admin\_id) REFERENCES Web\_Admin(admin\_id),

);

/\* Tour Guid Table \*/

CREATE TABLE Tour\_Guid

(

guid\_id int NOT NULL,

first\_name varchar(20) NOT NULL,

last\_name varchar(20) NOT NULL,

house\_no varchar(15) NOT NULL,

street varchar(30) NOT NULL,

city varchar(30) NOT NULL,

post\_code varchar(20) NOT NULL,

dob DATE NOT NULL,

password varchar(10) NOT NULL,

CONSTRAINT tour\_guid\_PK PRIMARY KEY(guid\_id),

CONSTRAINT tour\_guid\_password\_check CHECK(

LEN(password)BETWEEN 6 AND 10

AND password LIKE '%[A-Z]%'

AND password LIKE '%[0-9]%'

)

);

/\* Package Table \*/

CREATE TABLE Package

(

package\_id int NOT NULL,

package\_type varchar(20) NOT NULL,

package\_price real NOT NULL,

CONSTRAINT package\_PK PRIMARY KEY(package\_id)

);

/\* Feedback Table \*/

CREATE TABLE Feedback

(

feedback\_id int NOT NULL,

date DATE NOT NULL,

rate varchar(20) NOT NULL,

manager\_id int NOT NULL,

CONSTRAINT feedback\_PK PRIMARY KEY (feedback\_id),

CONSTRAINT feedback\_FK FOREIGN KEY (manager\_id) REFERENCES Manager(manager\_id)

);

/\* Registerd User Table \*/

CREATE TABLE Registerd\_user

(

user\_id int NOT NULL,

password varchar(20) NOT NULL,

first\_name varchar(30) NOT NULL,

last\_name varchar(30) NOT NULL,

house\_no varchar(15) NOT NULL,

street varchar(30) NOT NULL,

city varchar (30) NOT NULL,

post\_code varchar (20) NOT NULL,

package\_id int NOT NULL,

res\_id int NOT NULL,

CONSTRAINT user\_PK PRIMARY KEY(user\_id),

CONSTRAINT user\_FK1 FOREIGN KEY (package\_id) REFERENCES Package(package\_id),

CONSTRAINT user\_FK2 FOREIGN KEY (res\_id) REFERENCES Reservation(res\_id),

CONSTRAINT user\_password\_check CHECK(

LEN(password) BETWEEN 6 AND 20

AND password LIKE '%[A-Z]%'

AND password LIKE '%[0-9]%'

)

);

/\* Inquires Table \*/

CREATE TABLE Inquire

(

inquire\_id int NOT NULL,

date DATE NOT NULL,

inquire varchar(800) NOT NULL,

user\_id int NOT NULL,

guid\_id int NOT NULL,

CONSTRAINT inquire\_PK PRIMARY KEY(inquire\_id,user\_id),

CONSTRAINT inquire\_FK1 FOREIGN KEY (user\_id) REFERENCES Registerd\_user(user\_id),

CONSTRAINT inquire\_FK2 FOREIGN KEY (guid\_id) REFERENCES Tour\_Guid(guid\_id),

);

/\* User Contacts Table \*/

CREATE TABLE User\_Contacts

(

user\_id int NOT NULL,

email varchar(30) NOT NULL,

phone\_no varchar(10) NOT NULL,

CONSTRAINT user\_contact\_PK PRIMARY KEY (user\_id,email),

CONSTRAINT user\_contact\_FK FOREIGN KEY (user\_id) REFERENCES Registerd\_User(user\_id),

CONSTRAINT check\_uc\_email CHECK(email LIKE '%\_@\_%.\_%'),

CONSTRAINT check\_uc\_phone CHECK (phone\_no BETWEEN 0000000000 AND 9999999999)

);

/\* Manager Contacts Table \*/

CREATE TABLE Manager\_Contact

(

manager\_id int NOT NULL,

email varchar(30) NOT NULL,

phone\_no varchar(10) NOT NULL,

CONSTRAINT manager\_contact\_PK PRIMARY KEY (manager\_id,email),

CONSTRAINT manager\_contact\_FK FOREIGN KEY (manager\_id) REFERENCES Manager(Manager\_id),

CONSTRAINT check\_mc\_email CHECK(email LIKE '%\_@\_%.\_%'),

CONSTRAINT check\_mc\_phone CHECK (phone\_no BETWEEN 0000000000 AND 9999999999)

);

/\* Web Admin Contacts Table \*/

CREATE TABLE Web\_Admin\_Contact

(

admin\_id int NOT NULL,

email varchar(30) NOT NULL,

phone\_no varchar(10) NOT NULL,

CONSTRAINT admin\_contact\_PK PRIMARY KEY (admin\_id,email),

CONSTRAINT admin\_contact\_FK FOREIGN KEY (admin\_id) REFERENCES Web\_Admin(admin\_id),

CONSTRAINT check\_ac\_email CHECK(email LIKE '%\_@\_%.\_%'),

CONSTRAINT check\_ac\_phone CHECK (phone\_no BETWEEN 0000000000 AND 9999999999)

);

/\* Reservation Contacts Table \*/

CREATE TABLE Reservation\_Contact

(

res\_id int NOT NULL,

email varchar(30) NOT NULL,

phone\_no varchar(10) NOT NULL,

CONSTRAINT Reservation\_contact\_PK PRIMARY KEY (res\_id,email),

CONSTRAINT Reservation\_contact\_FK FOREIGN KEY (res\_id) REFERENCES Reservation(res\_id),

CONSTRAINT check\_rc\_email CHECK(email LIKE '%\_@\_%.\_%'),

CONSTRAINT check\_rc\_phone CHECK (phone\_no BETWEEN 0000000000 AND 9999999999)

);

/\* User Inquires Table \*/

CREATE TABLE User\_Inquire

(

user\_id INT NOT NULL,

inquire\_id INT NOT NULL,

CONSTRAINT user\_inquire\_PK PRIMARY KEY (user\_id, inquire\_id),

CONSTRAINT user\_inquir\_FK1 FOREIGN KEY (user\_id) REFERENCES Registerd\_User(user\_id),

CONSTRAINT user\_inquir\_FK2 FOREIGN KEY (inquire\_id,user\_id) REFERENCES Inquire(inquire\_id,user\_id),

);

/\* Feedback Comment Table \*/

CREATE TABLE Feedback\_Comment

(

feedback\_id int NOT NULL,

comment varchar(800) NOT NULL,

CONSTRAINT feedback\_Comment\_PK PRIMARY KEY(feedback\_id,comment),

CONSTRAINT feedback\_Comment\_FK FOREIGN KEY (feedback\_id) REFERENCES Feedback(feedback\_id)

);

/\* Register User Feedback Table \*/

CREATE TABLE Registerd\_User\_Feedback

(

user\_id int NOT NULL,

feedback\_id int NOT NULL,

CONSTRAINT Registerd\_User\_Feedback\_PK PRIMARY KEY(user\_id,feedback\_id),

CONSTRAINT Registerd\_User\_Feedback\_FK1 FOREIGN KEY (user\_id) REFERENCES Registerd\_user(user\_id),

CONSTRAINT Registerd\_User\_Feedback\_FK2 FOREIGN KEY (feedback\_id) REFERENCES Feedback(feedback\_id)

);