CREATE TABLE Usuario (

ID\_Usuario SMALLINT PRIMARY KEY,

Nome VARCHAR (50),

E\_mail VARCHAR (50),

Senha VARCHAR (50),

Telefone INTEGER,

Tipo VARCHAR (50),

Documento INTEGER

);

CREATE TABLE Quarto\_Pagamento (

ID\_Quarto INTEGER,

ID\_Hotel INTEGER,

Tipo\_Quarto VARCHAR (50),

Preco\_Diaria DECIMAL,

Capacidade INTEGER,

Descricao\_Quarto VARCHAR (50),

ID\_Pagamento\_ SMALLINT,

ID\_Reserva SMALLINT,

Metodo\_Pagamento VARCHAR (50),

Valor DECIMAL,

Data\_Pagamento DATE,

Status\_Pagamento VARCHAR (50),

PRIMARY KEY (ID\_Quarto, ID\_Hotel, ID\_Pagamento\_, ID\_Reserva)

);

CREATE TABLE Hotel (

ID\_Hotel\_ SMALLINT PRIMARY KEY,

Nome\_Hotel VARCHAR (50),

Endereco VARCHAR (50),

Classificacao\_ VARCHAR (50),

Telefone INTEGER,

Descricao VARCHAR (50)

);

CREATE TABLE Reserva (

ID\_Reserva SMALLINT,

ID\_Usuario SMALLINT,

ID\_Quarto SMALLINT,

Data\_Checkin DATE,

Data\_Checkout DATE,

Status VARCHAR (50),

Valor\_Total DECIMAL,

fk\_Usuario\_ID\_Usuario SMALLINT,

PRIMARY KEY (ID\_Reserva, ID\_Usuario, ID\_Quarto)

);

CREATE TABLE Avaliacao (

ID\_Avaliacao\_ SMALLINT,

ID\_Usuario SMALLINT,

ID\_Hotel\_ SMALLINT,

Nota\_\_1\_a\_5\_ INTEGER,

Comentario VARCHAR (50),

Data\_Avaliacao DATE,

PRIMARY KEY (ID\_Avaliacao\_, ID\_Usuario, ID\_Hotel\_)

);

CREATE TABLE escolher (

fk\_Hotel\_ID\_Hotel\_ SMALLINT,

fk\_Reserva\_ID\_Reserva SMALLINT,

fk\_Reserva\_ID\_Usuario SMALLINT,

fk\_Reserva\_ID\_Quarto SMALLINT

);

CREATE TABLE escolhe (

fk\_Hotel\_ID\_Hotel\_ SMALLINT,

fk\_Quarto\_Pagamento\_ID\_Quarto INTEGER,

fk\_Quarto\_Pagamento\_ID\_Hotel INTEGER

);

CREATE TABLE Faz\_avaliacao (

fk\_Quarto\_Pagamento\_ID\_Quarto INTEGER,

fk\_Quarto\_Pagamento\_ID\_Hotel INTEGER,

fk\_Quarto\_Pagamento\_ID\_Pagamento\_ SMALLINT,

fk\_Quarto\_Pagamento\_ID\_Reserva SMALLINT,

fk\_Avaliacao\_ID\_Avaliacao\_ SMALLINT,

fk\_Avaliacao\_ID\_Usuario SMALLINT,

fk\_Avaliacao\_ID\_Hotel\_ SMALLINT

);

ALTER TABLE Reserva ADD CONSTRAINT FK\_Reserva\_2

FOREIGN KEY (fk\_Usuario\_ID\_Usuario)

REFERENCES Usuario (ID\_Usuario)

ON DELETE RESTRICT;

ALTER TABLE escolher ADD CONSTRAINT FK\_escolher\_1

FOREIGN KEY (fk\_Hotel\_ID\_Hotel\_)

REFERENCES Hotel (ID\_Hotel\_)

ON DELETE RESTRICT;

ALTER TABLE escolher ADD CONSTRAINT FK\_escolher\_2

FOREIGN KEY (fk\_Reserva\_ID\_Reserva, fk\_Reserva\_ID\_Usuario, fk\_Reserva\_ID\_Quarto)

REFERENCES Reserva (ID\_Reserva, ID\_Usuario, ID\_Quarto)

ON DELETE SET NULL;

ALTER TABLE escolhe ADD CONSTRAINT FK\_escolhe\_1

FOREIGN KEY (fk\_Hotel\_ID\_Hotel\_)

REFERENCES Hotel (ID\_Hotel\_)

ON DELETE RESTRICT;

ALTER TABLE escolhe ADD CONSTRAINT FK\_escolhe\_2

FOREIGN KEY (fk\_Quarto\_Pagamento\_ID\_Quarto, fk\_Quarto\_Pagamento\_ID\_Hotel, fk\_Hotel\_ID\_Hotel)

REFERENCES Quarto\_Pagamento (ID\_Quarto, ID\_Pagamento, ID\_Hotel)

ON DELETE SET NULL;

ALTER TABLE Faz\_avaliacao ADD CONSTRAINT FK\_Faz\_avaliacao\_1

FOREIGN KEY (fk\_Quarto\_Pagamento\_ID\_Quarto, fk\_Quarto\_Pagamento\_ID\_Hotel, fk\_Quarto\_Pagamento\_ID\_Pagamento\_, fk\_Quarto\_Pagamento\_ID\_Reserva)

REFERENCES Quarto\_Pagamento (ID\_Quarto, ID\_Hotel, ID\_Pagamento\_, ID\_Reserva)

ON DELETE SET NULL;

ALTER TABLE Faz\_avaliacao ADD CONSTRAINT FK\_Faz\_avaliacao\_2

FOREIGN KEY (fk\_Avaliacao\_ID\_Avaliacao\_, fk\_Avaliacao\_ID\_Usuario, fk\_Avaliacao\_ID\_Hotel\_)

REFERENCES Avaliacao (ID\_Avaliacao\_, ID\_Usuario, ID\_Hotel\_)

ON DELETE SET NULL;