**\*\*Part 1\*\***

**Account\_Holder**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| UserName | password | first\_name | last\_name | address | email |  |

**Vacation\_Spot (used to be just Location)**

|  |  |  |  |
| --- | --- | --- | --- |
| location\_ID | address | spot\_name |  |

**Favorites**

|  |  |  |  |
| --- | --- | --- | --- |
| Username | locations | address |  |

**Car Rental**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Rental\_ID | rental\_company | mile\_limitation | cost\_per\_day | Address |  |

**Hotel**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Hotel\_ID | distance | cost\_per\_night | Hotel\_name | Availability | Hotel\_address |  |

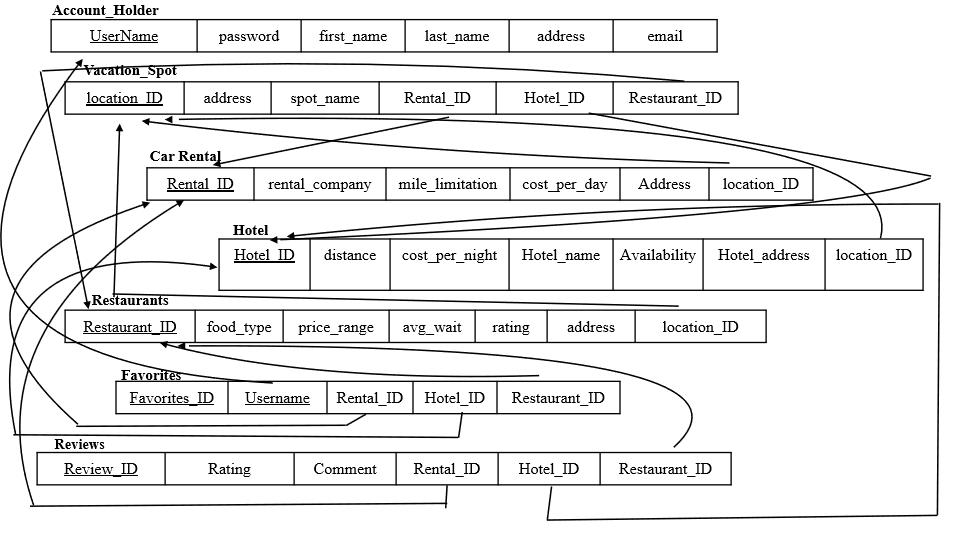
**Restaurants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Restaurant\_ID | food\_type | price\_range | avg\_wait | rating | address |  |

**Reviews**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Review\_ID | Rating | Comment | Rental\_ID | Hotel\_ID | Restaurant\_ID |  |

**\*\*Part 2\*\***

****

**\*\*Part 3\*\***

CREATE TABLE Account\_Holder

(Username VARCHAR(30) NOT NULL,

password VARCHAR(20) NOT NULL,

first\_name CHAR(20) NOT NULL,

last\_name CHAR(20) NOT NULL,

address VARCHAR(50) NOT NULL,

email VARCHAR(25) NOT NULL,

PRIMARY KEY (Username),

);

CREATE TABLE Vacation\_Spot

(Location\_ID INTEGER(30) NOT NULL,

address VARCHAR(50) NOT NULL,

spot\_name VARCHAR(20) NOT NULL,

Rental\_ID INTEGER(30) NOT NULL,

Hotel\_ID INTEGER(30) NOT NULL,

Restaurant\_ID INTEGER(30) NOT NULL,

PRIMARY KEY (Location\_ID),

FOREIGN KEY (Rental\_ID)

REFERENCES Car\_Rental

ON DELETE CASCADE

ON UPDATE SET DEFAULT

FOREIGN KEY (Hotel\_ID)

REFERENCES Hotel

ON DELETE CASCADE

ON UPDATE SET DEFAULT

FOREIGN KEY (Restaurant\_ID)

REFERENCES Restaurants

ON DELETE CASCADE

ON UPDATE SET DEFAULT

);

CREATE TABLE Favorites

(Username VARCHAR(30) NOT NULL,

Favorites\_ID INTEGER(30) NOT NULL,

Rental\_ID INTEGER(30) NOT NULL,

Hotel\_ID INTEGER(30) NOT NULL,

Restaurant\_ID INTEGER(30) NOT NULL,

PRIMARY KEY (Username, Favorites\_ID),

FOREIGN KEY (Rental\_ID)

REFERENCES Car\_Rental

ON DELETE CASCADE

ON UPDATE SET DEFAULT

FOREIGN KEY (Hotel\_ID)

REFERENCES Hotel

ON DELETE CASCADE

ON UPDATE SET DEFAULT

FOREIGN KEY (Restaurant\_ID)

REFERENCES Restaurants

ON DELETE CASCADE

ON UPDATE SET DEFAULT

);

CREATE TABLE Car\_Rental

(Rental\_ID INTEGER(30) NOT NULL,

rental\_company VARCHAR(20) NOT NULL,

mile\_limitation VARCHAR(10) NOT NULL,

cost\_per\_day VARCHAR(20) NOT NULL,

address VARCHAR(50) NOT NULL,

Location\_ID INTEGER(30),

PRIMARY KEY (Rental\_ID),

FOREIGN KEY (Location\_ID)

REFERENCES Vacations\_Spot

ON DELETE CASCADE

ON UPDATE SET DEFAULT

);

CREATE TABLE Hotel

(Hotel\_ID INTEGER(30) NOT NULL,

distance VARCHAR(20) NOT NULL,

cost\_per\_night VARCHAR(10) NOT NULL,

Hotel\_name VARCHAR(30) NOT NULL,

Availability BOOLEAN NOT NULL DEFAULT 0,

Hotel\_address VARCHAR(50) NOT NULL,

Location\_ID VARCHAR(50) NOT NULL,

PRIMARY KEY (Hotel\_ID),

FOREIGN KEY (Location\_ID)

REFERENCES Vacations\_Spot

ON DELETE CASCADE

ON UPDATE SET DEFAULT

);

CREATE TABLE Restaurants

(Restaurant\_ID INTEGER(30) NOT NULL,

food\_type CHAR(20) NOT NULL,

price\_range VARCHAR(20) NOT NULL,

avg\_wait VARCHAR(5),

rating INTEGER(2),

address VARCHAR(50) NOT NULL,

Location\_ID INTEGER(30) NOT NULL,

PRIMARY KEY (Restaurant\_ID),

FOREIGN KEY (Location\_ID)

REFERENCES Vacations\_Spot

ON DELETE CASCADE

ON UPDATE SET DEFAULT

);

CREATE TABLE Reviews

(Review\_ID INTEGER(30) NOT NULL,

Rating INTEGER(1),

Comment VARCHAR(100),

Rental\_ID INTEGER(30) NOT NULL,

Hotel\_ID INTEGER(30) NOT NULL,

Restaurant\_ID INTEGER(30) NOT NULL,

PRIMARY KEY (Review\_ID),

FOREIGN KEY (Rental\_ID)

REFERENCES Car\_Rental

ON DELETE CASCADE

ON UPDATE SET DEFAULT

FOREIGN KEY (Hotel\_ID)

REFERENCES Hotel

ON DELETE CASCADE

ON UPDATE SET DEFAULT

FOREIGN KEY (Restaurant\_ID)

REFERENCES Restaurants

ON DELETE CASCADE

ON UPDATE SET DEFAULT

);