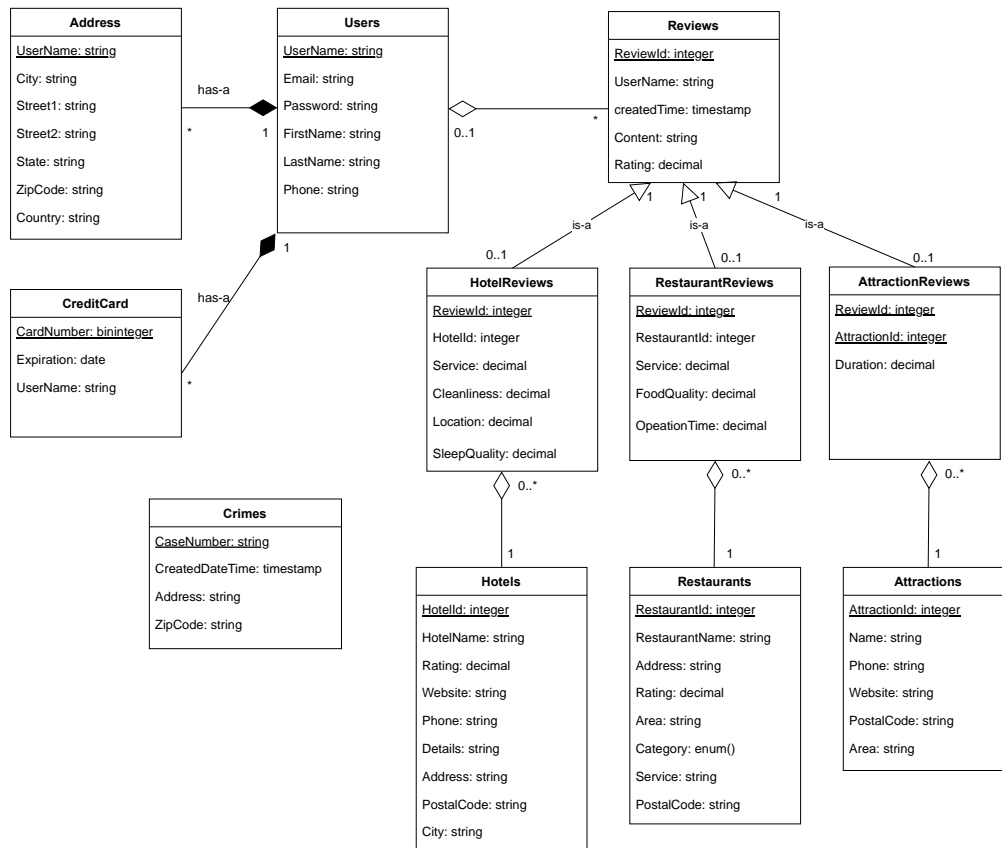1. UML
   11 Tables created.

2. Create tables:

CREATE SCHEMA IF NOT EXISTS SeattleTravelKit;
USE SeattleTravelKit;

DROP TABLE IF EXISTS HotelReviews;
DROP TABLE IF EXISTS Hotels;
DROP TABLE IF EXISTS Reviews;
DROP TABLE IF EXISTS RestaurantReviews;
DROP TABLE IF EXISTS AttractionReviews;
DROP TABLE IF EXISTS Attractions;
DROP TABLE IF EXISTS Crimes;
DROP TABLE IF EXISTS Restaurants;
DROP TABLE IF EXISTS Address;
DROP TABLE IF EXISTS CreditCards;

```sql
DROP TABLE IF EXISTS Users;


CREATE TABLE Hotels (
    HotelId INT NOT NULL auto_increment,
    HotelName VARCHAR(255),
    Rating DECIMAL(3, 2),
    Website VARCHAR(255),
    Phone VARCHAR(20),
    Details TEXT,
    Address TEXT,
    PostalCode VARCHAR(20),
    City VARCHAR(255),
    CONSTRAINT pk_Hotels_HotelId PRIMARY KEY (HotelId)
);



 CREATE TABLE HotelReviews (
   ReviewId INT PRIMARY KEY,
   HotelId INT,
   Service FLOAT,
   Cleanliness FLOAT,
   Location FLOAT,
   SleepQuality FLOAT,
   CONSTRAINT fk_HotelReviews_HotelId FOREIGN KEY (HotelId)
              REFERENCES  Hotels (HotelId)
              ON UPDATE CASCADE ON DELETE CASCADE
);




CREATE TABLE Attractions (
    AttractionId INT AUTO_INCREMENT PRIMARY KEY,
    AttractionsName VARCHAR(255),
    Phone VARCHAR(50),
    Website VARCHAR(2048),
    PostalCode VARCHAR(20),
    Area VARCHAR(255)
);
```

```
CREATE TABLE Reviews (
    ReviewId INT PRIMARY KEY,
    UserName VARCHAR(255) NOT NULL,
    CreatedTime TIMESTAMP NOT NULL,
    Content TEXT NOT NULL,
    Rating DECIMAL(3, 1) NOT NULL
);



CREATE TABLE RestaurantReviews (
    reviewID INT PRIMARY KEY,
    RestaurantID INT NOT NULL,
    service DECIMAL(2,1) NOT NULL,
    food_quality DECIMAL(2,1) NOT NULL,
    Operation_time VARCHAR(11) NOT NULL
);



CREATE TABLE AttractionReviews (
    reviewID INT NOT NULL,
    AttractionID INT NOT NULL,
    duration VARCHAR(15) NOT NULL,
    PRIMARY KEY (reviewID, AttractionID)
);



CREATE TABLE Crimes (
    CaseNumber VARCHAR(50),
    CreatedDateTime DATETIME,
    Address VARCHAR(255),
    ZipCode VARCHAR(10),
   CONSTRAINT pk_Crimes_CaseNumber PRIMARY KEY (CaseNumber)
);



CREATE TABLE Restaurants (
```

```sql
   RestaurantID INT NOT NULL AUTO_INCREMENT,
   RestaurantName VARCHAR(255),
   Address TEXT,
   Rating DECIMAL(3, 2),
   Area VARCHAR(255),
   Category VARCHAR(255), -- Changed from ENUM to VARCHAR for broader compatibility
   Service TEXT,
   ZipCode VARCHAR(10),
   CONSTRAINT pk_Restaurants_RestaurantID PRIMARY KEY (RestaurantID)
);


CREATE TABLE IF NOT EXISTS Users (
   UserName VARCHAR(50) UNIQUE,
   Email VARCHAR(100) UNIQUE,
   Password VARCHAR(255),
   FirstName VARCHAR(50),
   LastName VARCHAR(50),
   Phone VARCHAR(20),
   CONSTRAINT pk_Users_UserName PRIMARY KEY (UserName)
);



CREATE TABLE IF NOT EXISTS Address (
   UserName VARCHAR(255),
   City VARCHAR(255),
   Street1 VARCHAR(255),
   Street2 VARCHAR(255),
   State VARCHAR(255),
   ZipCode VARCHAR(20),
   Country VARCHAR(255),
   CONSTRAINT pk_Address_UserName PRIMARY KEY (UserName),
   CONSTRAINT fk_Address_UserName FOREIGN KEY (UserName)
     REFERENCES Users (UserName)
     ON UPDATE CASCADE ON DELETE CASCADE
);

CREATE TABLE CreditCards (
  UserName VARCHAR(255),
   CardNumber BIGINT NOT NULL,
   Expiration VARCHAR(5),
   CONSTRAINT pk_CreditCard_CardNumber PRIMARY KEY (CardNumber),
   CONSTRAINT fk_CreditCard_UserName FOREIGN KEY (UserName)
```

```
    REFERENCES Users (UserName)
    ON UPDATE CASCADE ON DELETE CASCADE
);



LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/Hotels.csv' INTO TABLE Hotels
  FIELDS TERMINATED BY ','  ENCLOSED BY '\"'
  LINES TERMINATED BY '\n'
  IGNORE 1 LINES;

LOAD DATA LOCAL INFILE "/Users/a123/Downloads/PM2/HotelReviews.csv" INTO TABLE
HotelReviews
  FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '\"'
  LINES TERMINATED BY '\n'
  IGNORE 1 LINES;



LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/Reviews.csv' INTO TABLE Reviews
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES
        (ReviewId, UserName, CreatedTime, Content, Rating);



LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/RestaurantReviews.csv' INTO TABLE
RestaurantReviews
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES
        (ReviewId, RestaurantID, service, food_quality, Operation_time);

LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/Reviews.csv' INTO TABLE Reviews
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES
        (ReviewId, UserName, CreatedTime, Content, Rating);

LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/RestaurantReviews.csv' INTO TABLE
RestaurantReviews
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```sql
LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/Attractions.csv' INTO TABLE
Attractions
        FIELDS TERMINATED BY ','  ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 ROWS;


LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/AttractionReviews.csv' INTO TABLE
AttractionReviews
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;



LOAD DATA LOCAL INFILE "/Users/a123/Downloads/PM2/Crimes.csv" INTO TABLE Crimes
  FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '\"'
  LINES TERMINATED BY '\n'
  IGNORE 1 LINES;

LOAD DATA LOCAL INFILE "/Users/a123/Downloads/PM2/Restaurants.csv" INTO TABLE
Restaurants
  FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '\"'
  LINES TERMINATED BY '\n'
  IGNORE 1 LINES;

LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/Users.csv' INTO TABLE Users
        FIELDS TERMINATED BY ','  ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 ROWS;

LOAD  DATA LOCAL INFILE '/Users/a123/Downloads/PM2/Address.csv' INTO TABLE Address
        FIELDS TERMINATED BY ','  ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 ROWS;

LOAD DATA LOCAL INFILE '/Users/a123/Downloads/PM2/CreditCards.csv' INTO TABLE
CreditCards
        FIELDS TERMINATED BY ','  ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 ROWS;
```

3. Rows in each table

Name	Engine	Version	Row Format	Rows	Avg Row Length	Data Length	Max Data Length	Index Length	Data Free	Auto Incre
Address	InnoDB	10	Dynamic	50	327	16.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	
AttractionReviews	InnoDB	10	Dynamic	10	1638	16.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	
Attractions	InnoDB	10	Dynamic	25	655	16.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	
CreditCards	InnoDB	10	Dynamic	53	309	16.0 KiB	0.0 bytes	16.0 KiB	0.0 bytes	
Crimes	InnoDB	10	Dynamic	81119	187	14.5 MiB	0.0 bytes	0.0 bytes	4.0 MiB	
HotelReviews	InnoDB	10	Dynamic	99	165	16.0 KiB	0.0 bytes	16.0 KiB	0.0 bytes	
Hotels	InnoDB	10	Dynamic	4301	79	336.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	8
RestaurantReviews	InnoDB	10	Dynamic	10	1638	16.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	
Restaurants	InnoDB	10	Dynamic	1909	128	240.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	4
Reviews	InnoDB	10	Dynamic	119	413	48.0 KiB	0.0 bytes	0.0 bytes	0.0 bytes	
Users	InnoDB	10	Dynamic	50	327	16.0 KiB	0.0 bytes	32.0 KiB	0.0 bytes	