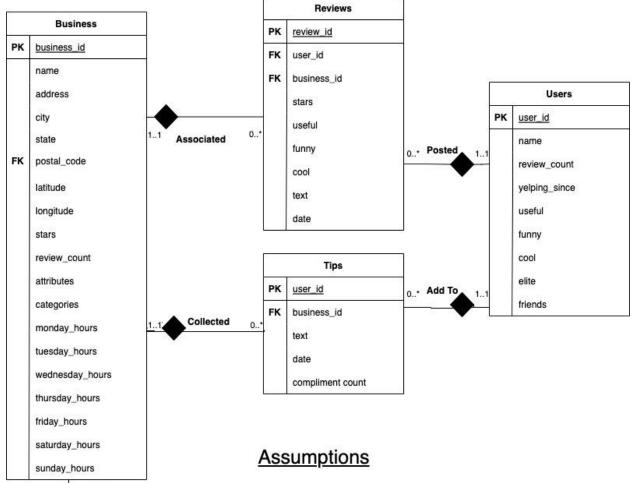
Relational Schema

```
Business(
       Business_Id: varchar(25) [PK],
       name: varchar(30),
       address: varchar(65),
       city: varchar(20),
       state: varchar(15),
       postal_code: int [FK to Location.postal_code],
       latitude: float(10),
       longitude: float(10),
       stars: float(10),
       review count: int,
       attributes: varchar(1000),
       categories: varchar(1000),
       monday_hours: varchar(9),
       tuesday_hours: varchar(9),
       wednesday_hours: varchar(9),
       thursday_hours: varchar(9),
       friday_hours: varchar(9),
       saturday hours: varchar(9),
       sunday_hours: varchar(9)
)
Weather_By_Zip(
       postal_code: int [PK],
       month: varchar(9) [PK],
       avg_temp: float(20),
       high_temp: float(20),
       low temp: float(20),
       total_rain_inches float(10)
)
Reviews(
       review_id: varchar(25) [PK],
       user id: varchar(25) [FK to Users.user id],
       business_id: varchar(100) [FK to Business_Business_Id],
       stars: int,
       useful: int,
       funny: int,
       cool: int.
       text: varchar(6000),
       date: varchar(24)
```

```
)
Tips(
       tip_id: int [PK], user_id: varchar(25) [FK to Users.user_id],
       business_id: varchar(30),
       text: varchar(3000),
       date: varchar(24),
       compliment_count: int
)
Users(
       user_id: varchar(25) [PK],
       name: varchar(30),
       review_count: int,
       yelping_since: varchar(24),
       useful: int,
       funny: int,
       cool: int,
       elite: int,
       #don't know how this is stored
       friends: int
)
```

ER/UML Diagram



0..*
Located in

	Weather_By_Zip
PK	postal code
PK	month
	avg_temp
	high_temp
	low_temp
	total_rain_inches

- Latitude and longitude uniquely identify a business. That is, we will make the simplifying assumptions that 1) two businesses do
- not share a location, and 2) there do not exist businesses located at the same latitude and longitude with different elevation.
- A business may have not received any reviews.
- We get monthly weather data by postal code so we can assume multiple months are tied to a single postal code.
- A user cannot add to the compliment count of a business more than once.
- -Some users in the reviews table may not be in the users table since that is how the original dataset was created.