**Foursquare – Search:**

**Searching for Coffee Shops – API:**

You are at the Conrad Hotel, NY, and you want to go for a cup of coffee. Latitude and longitude of Conrad Hotel is (40.73, -70.01).

[https://api.foursquare.com/v2/venues/search?client\_id=\*\*\*\*\*&client\_secret=\*\*\*\*\*&v=20180602&ll=40.73,-70.01&query=coffee](https://api.foursquare.com/v2/venues/search?client_id=*****&client_secret=*****&v=20180602&ll=40.73,-70.01&query=coffee)

https://api.foursquare.com/v2/venues/search?client\_id=CLIENT\_ID&client\_secret=CLIENT\_SECRET&ll=LATITUDE,LONGITUDE&v=VERSION&query=QUERY&radius=RADIUS&limit=LIMIT

This completes our URI, so **we make the call to the database**, and **in return we get a JSON** **file** of the venues that match our query. For each venue **we mostly get** its **name**, **unique ID**, **location**, and **category**.

**Explore a Particular Venue – API:**

You have decided to go to **Kaffe 1668**, but you want to learn more about the coffee shop.

[https://api.foursquare.com/v2/venues/unique\_id\_of\_Kaffe\_1668?client\_id=\*\*\*\*\*&client\_secret=\*\*\*\*\*&v=20180602](https://api.foursquare.com/v2/venues/unique_id_of_Kaffe_1668?client_id=*****&client_secret=*****&v=20180602)

This completes our URI, so **we make the call to the database**, and **in return we get a JSON** **file** containing all the information the database has **about Kaffe 1668**. The **JSON file contains** mostly the **venue’s name**, URL or **website** if they have an online presence, **unique ID again**, average **rating**, **location**, **contact information**, **menu**, and statistics in terms of the **number of check-ins**, and finally, **tips** **posted** about the venue.

Actually, with **a personal account, we only get two tips and photos per venue and not the entire list of tips.** And this type of call is premium so with a personal account we can only make 500 similar calls per day.

**Get Tips Posted about a Venue – API:**

You want to read all the tips about Kaffe 1668.

[https://api.foursquare.com/v2/venues/unique\_id\_of\_Kaffe\_1668/tips?client\_id=\*\*\*\*\*&client\_secret=\*\*\*\*\*&v=20180602](https://api.foursquare.com/v2/venues/unique_id_of_Kaffe_1668/tips?client_id=*****&client_secret=*****&v=20180602)

We make a call to database and get a JSON file with **only** **two** **tips** since we have a personal account.

**Learn about a Specific User – API:**

It is same like exploring a venue but we give users n place of venues in the api call and unique id of a user as endpoint.

[https://api.foursquare.com/v2/users/unique\_id\_of\_User?client\_id=\*\*\*\*\*&client\_secret=\*\*\*\*\*&v=20180602](https://api.foursquare.com/v2/users/unique_id_of_User?client_id=*****&client_secret=*****&v=20180602)

The database returns a JSON file containing all the data it has about the user. We mostly get their **first name**, **last name**, **gender**, **contact info**, **unique ID**, any **Foursquare friends** they have, and their **tips**.

**Foursquare – Explore and Other Queries:**

**Explore Venues – API:**

You are at the Conrad Hotel, and you decide to explore your surroundings. Latitude and longitude of Conrad Hotel is (40.73, -70.01).

[https://api.foursqure.com/v2/venues/explore?client\_id=\*\*\*\*\*&client\_secret=\*\*\*\*\*&v=20180602&ll=40.73,-70.01](https://api.foursqure.com/v2/venues/explore?client_id=*****&client_secret=*****&v=20180602&ll=40.73,-70.01)

We get a JSON file of popular spots around the Conrad Hotel. For each venue we get mostly its **name**, **unique ID**, **location**, and **category**.

**Explore Trending Venues – API:**

You are at Kaffe 1668, and you are curious to know what the hot spots are in your vicinity.

[https://api.foursqure.com/v2/venues/trending?client\_id=\*\*\*\*\*&client\_secret=\*\*\*\*\*&v=20180602&ll=40.73,-74.01](https://api.foursqure.com/v2/venues/trending?client_id=*****&client_secret=*****&v=20180602&ll=40.73,-74.01)

For each venue we get mostly its **name**, **unique ID**, **location**, and **category**.

**Summary:**

Using the Foursquare API, we can:

1. Search for a specific type of venue around a given location – **Regular**.
2. Learn more about a specific venue – **Premium**.
3. Learn more about a specific Foursquare user – **Regular**.
4. Explore a given location – **Regular**.
5. Explore trending venues around a given location – **Regular**.