

## Capstone Project API\_ Mohammad Yousuf Mehraban

### Project Name: Food-Directory

I've selected Documenu API as the main API which provide necessary data that I would like to use in my application. It's a free API but the challenge is it only gives you 50 free API Requests per month. Therefore, I wanted to find another API but I couldn't find any to give me the necessary data that I needed to use in my application.

Furthermore, I have selected to use MAPQUEST API to take latitude and longitude of a city, Weather API to show the current weather forecast of the searched city, and Forex\_Python for currency exchanges.

From Documenu API I extract the data such as restaurant name, restaurant location, cuisine, menu categories and menu items. It returns JSON data types.

From MAPQUEST API I extract latitude and longitude of a provided city.

From Weather API I extract the current weather condition, temperature and weather condition symbol.

<https://documenu.com/docs>

<https://www.mapquest.com>

<http://api.weatherapi.com>

### Database Schema Design

The database schema is not so complicated. The database has two tables: a) users table that store all of a user required information, and b) Favorite List table that stores the required data regarding a restaurant.

Database Schema Design looks like below:

