RESTful API Project

API Specification Document

Course: INFO U762 – 01F

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**Weather API**

* My Weather API is using the National Weather Service API located at [API Web Service (weather.gov)](https://www.weather.gov/documentation/services-web-api#/default/station_observation_latest).
* The base API URL is: [https://api.weather.gov/stations/{stationId}/observations/latest](https://api.weather.gov/stations/%7bstationId%7d/observations/latest)
* The station ID that I am using is: KCQT
* The complete API URL is: <https://api.weather.gov/stations/KCQT/observations/latest?require_qc=false>
* The data return is GEOJSON as a Dictionary data type.
* Data requires extensive flattening to isolate the values that I need.

**Currency API**

* My currency API is using the ExchangeRate-API Free Currency API – [ExchangeRate-API - Open Access, No Key Required](https://www.exchangerate-api.com/docs/free)
* The API link provides a complete list of foreign currencies all calculated against the US Dollar.
* The API URL is : <https://open.er-api.com/v6/latest/USD>
* The data returns as JSON as a Dictionary data type.
* Value was returned by nested dictionary query.

**Brewery API**

* My brewery API is using the Open Brewery DB API – [Open Brewery DB | Documentation](https://www.openbrewerydb.org/documentation/#search-breweries)
* The API link provides a list of over 8250 breweries from around the world.
* The API URL is : <https://api.openbrewerydb.org/v1/breweries/search?query=los%20angeles>
* The data returns as JSON as a List data type.

**Custom API**

* My custom API will accept API Update requests from the Driver Application to update the following pieces of data in the DB:
  + Temp
  + Weather Description
  + Currency
  + Brewery Name
  + Brewery URL
  + Brewery Phone
* My custom API will accept API Get requests to see the Travel related data from Los Angeles.