**Sprint 1 - 10/20/2021**

* Host a generic Python API that responds to *something* (anything) in the query string
  + Possibly have a connection to MongoDB that retrieves a single document or collection of documents
* Have a few "deep" queries for the Pune data in MongoDB, including a query that retrieves restaurants near a specific point (latitude/longitude)

User Stories for queries:

1. As a tourist, I want to see what restaurants within a 5-mile radius of Koregaon Park (Pune)
   1. Location, latitude & longitude coordinates
2. As a local resident of Mumbai traveling to Pune, I want to see all restaurants in Pune where pricing is 1200 rupees or less.
   1. Pricing\_for\_2: 1200
3. As a \_\_\_\_, I want to see all restaurants in Pune that serve Chinese cuisine with a price for 2 within a range of $600 to $1000.
   1. Category: “Chinese”
4. As an advocate of fine dining, I want to see all restaurants with a rating of 4.5 or better in the khadki area.
5. As a \_\_\_\_, I want to see restaurants known for their authentic atmosphere.
   1. Known\_for\_Atmosphere: “Authentic”

**Sprint 1 - 10/27/2021**

1. //SPECIFIC LOCATION

**db.pune\_restaurants.find(**

**{ Location: { type:"Point", coordinates:[18.5374159,73.88889045] } )**

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**db.pune\_restaurants.find({Location:{type:"Point",coordinates:[18.5374159,73.88889045]}})**

//GENERAL AREA

//5 MILE RADIUS (IN METERES)

**db.pune\_restaurants.find(**

**{ Location: {$near : {**

**$geometry:{type:"Point",coordinates:[18.5374159,73.88889045]},**

**$maxDistance:8046.72 } } } )**

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**db.pune\_restaurants.find({Location:{$near:{$geometry:{type:"Point",coordinates:[18.5374159,73.88889045]},$maxDistance: 8046.72}}})**

1. **db.pune\_restaurants.find({Pricing\_for\_2: {$lte: 1200}})**

**db.pune\_restaurants.find({**

**$and:[**

**{Category: "Chinese"},**

**{$or:[**

**{Pricing\_for\_2:{$gte:600}},**

**{Pricing\_for\_2:{$lte:1000}}**

**]}**

**]**

**})**

1. **db.pune\_restaurants.find({Locality: “ Khadki, Pune”, Dining\_Rating: {$gte: 4.5}})**
2. **~~db. pune\_restaurants.find({Known\_for\_Atmosphere: “Authentic”})~~**
   1. db.pune\_restaurants.find( {Known\_for\_Atmosphere: "Authentic"} )

**\*Fields and Elements are case sensitive\***

**\*\*When working with Locality field, must include SPACE before entry**  **Example: “ Khadki”**

**\*\*\*ENSURE PROPER DOUBLE QUOTES ARE USED. MAY NEED TO ENTER/EDIT MANUALLY.**