

PLAYGROUND CHALLENGE

Problem

To build a search around the hospitals, physicians and their specialties.

Source Code

- **Repository:** <https://github.com/ujjvalthakkar/NetworkProvider>

Dataset Details

Hospital

- **URL:** <https://data.medicare.gov/Hospital-Compare/Hospital-General-Information/xubh-q36u>
- **API:** <https://data.medicare.gov/resource/rbry-mqwu.json>

Physician

- **URL:** <https://data.medicare.gov/Physician-Compare/Physician-Compare-National-Downloadable-File/mj5m-pzi6>
- **API:** <https://data.medicare.gov/resource/c8qv-268j.json>

Note: For now, I couldn't find the Specialties dataset if any

Tech Stack & Tools

- This is the Java API for the SODA 2.0 API <http://socrata.github.com/soda-java>.
 - This is used to query the above mentioned public dataset with relevant filters
- Spring Framework for Restful Services
- Jersey
- Hibernate
- JPA
- MySQL
- Postman

Types of Implementations

- APIs to query or consume the above mentioned public datasets and filter results as per the search **(Primary)**
- APIs to query the database, if the dataset was loaded and stored in a MYSQL instance. We use hibernate JPA for this persistence

API Details

API	Endpoint
Get all Hospitals	http://localhost:8080/hospitals
Get Hospital by type	http://localhost:8080/hospitals/{requestParam}/{value} requestParam Values <ul style="list-style-type: none">• name• location (pass the city in value)• id (pass the unique provider_id in value)
Get all Physicians	http://localhost:8080/physicians
Get Physicians by type	http://localhost:8080/physicians/{requestParam}/{value} requestParam Values <ul style="list-style-type: none">• speciality• location (pass the city in value)• id (pass the Unique professional ID in value)

Code Deploy & Run Details

- Change the MySQL instance details in “*hibernate.cfg.xml*” and “*application.properties*” in the resource folder corresponding to your local instance
- Deploy and run the code as a Spring Boot Application
- Use postman to query the above-mentioned endpoints

Result Screenshots





