

Superhero Sightings

Introduction

The frequency of superhero sightings has increased significantly with the rising popularity of superhero movies. In this project, I have created a web app which will keep track of these sightings.

This project has two parts :

1. Superhero Sightings Data Layer
2. Superhero Sightings Spring Boot Web App

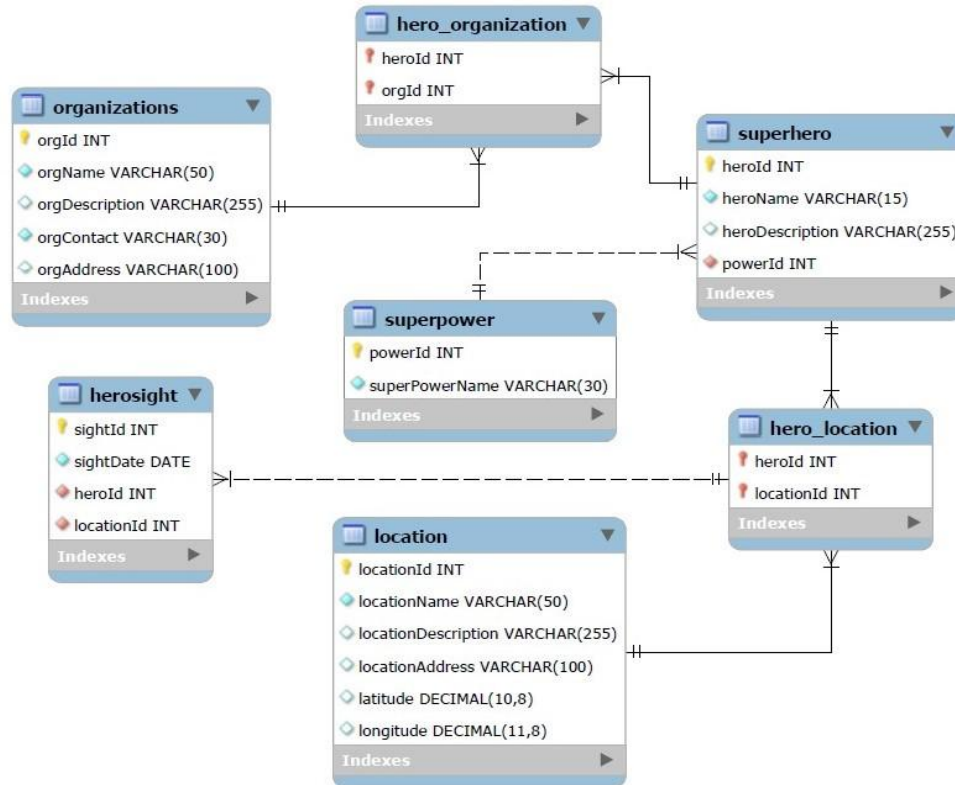
Requirements

The system should keep track of all superhero information with organizations details they are affiliated with and the location information they will be sighting at a given date.

Interpretation of Requirements

- The ERD of Superhero Sighting
Tables and relationship between those tables, properties of each table and their data type and bridge tables to manage those relationship.
- Data Transfer Objects(DTOs)
Object which is more important and should manage the one to many and many to many relationship.
- Data Access Objects for CRUD operation and other methods required to fulfill the requirement of this project.

Entity Relationship Diagram



Development

- 1.Database and Queries
- 2.Project Creation using Spring Initializr
- 3.DTOs
- 4.DAOs
- 5.Unit Testing
- 6.Controller and Frontend

Homepage

← → ↻ ⓘ localhost:8080/homepage

☆ ⚙ 5 ⋮

SuperHero Sighting

[Home](#)[SuperHeroes](#)[SuperPowers](#)[Locations](#)[Organizations](#)[SuperHero Sightings](#)

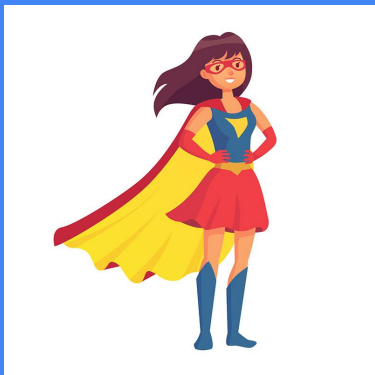
News Feed of latest SuperHero Sighting

ID	Date	Superhero	Location
40	2021-10-13	Superman	Qutub Minar
37	2021-10-23	Superman	Eiffel Tower
30	2021-10-29	Superman	Eiffel Tower
27	2021-10-08	Superman	Qutub Minar
19	2021-10-01	Superman	Eiffel Tower
13	2021-10-23	Spiderman	Eiffel Tower
6	2021-01-31	Spiderman	Taj Mahal
3	2021-12-01	Ironman	Eiffel Tower
1	2021-11-01	Superman	Eiffel Tower

Lessons Learned

- Debugging
- Composition
- Collections and Maps
- File I/O - Data Marshalling and Unmarshalling
- Service Layer
- Unit Testing
- Spring Boot REST Service with JDBC Template

Questions???



Thank you