

Hero (DTO)
<ul style="list-style-type: none"> <li>- id, int</li> <li>- name, String</li> <li>- description, String</li> <li>- superPower, String</li> <li>- Organizations, List&lt;Organization&gt;</li> <li>- Sightings, List &lt;Sighting&gt;</li> </ul>
getters and setters

HeroDao
<ul style="list-style-type: none"> <li>+ addHero(Hero hero);</li> <li>+ removeHeroByld(int herold);</li> <li>+ updateHero(Hero hero);</li> <li>+ getAllHeros();</li> <li>+ getHereByld(int herold);</li> </ul>

Location (DTO)
<ul style="list-style-type: none"> <li>- id, int</li> <li>- name, String</li> <li>- description, String</li> <li>- street, String</li> <li>- city, String</li> <li>- state, String</li> <li>- zip, String</li> <li>- latitude, String</li> <li>- longitude, String</li> </ul>
getters and setters

LocationDAO
<ul style="list-style-type: none"> <li>+ addLocation(Location loc) - Location;</li> <li>+ removeLocation(int id);</li> <li>+ getLocationByld(int id) - Location;</li> <li>+ getAllLocations() - List&lt;Locations&gt;</li> <li>+ updateLocation(Location loc) - Location;</li> </ul>

Organization (DTO)
<ul style="list-style-type: none"> <li>- id, int</li> <li>- name, String</li> <li>- street, String</li> <li>- city, String</li> <li>- state, String</li> <li>- zip, String</li> <li>- description, String</li> <li>- president, String</li> <li>- phone, String</li> <li>- heros, List&lt;Hero&gt;</li> </ul>
+ method(type): type

OrganizationDao
<ul style="list-style-type: none"> <li>+ addOrganization(Organization org) - Organization</li> <li>+ deleteOrganization(int orgld);</li> <li>+ getOrganizationByld(int orgld) - Organization;</li> <li>+ getAllOrgainzations(); () List&lt;Organization&gt;</li> <li>+ updateOrganization(Organization org) - Organization</li> </ul>

Sighting (DTO)
<ul style="list-style-type: none"> <li>- id, int</li> <li>- hero, Hero</li> <li>- location, Location</li> <li>- date, DateTime</li> </ul>

SightingDao
CRUD <ul style="list-style-type: none"> <li>+returnAllSightings - List&lt;Sighting&gt;</li> <li>+returnSightingByLocationId (int locld)- List&lt;Sighting&gt;</li> <li>+ returnSightingByHerold (int herold)- List&lt;Sighting&gt;</li> <li>+ returnSightingsByDate(LocalDate date)</li> <li>- List&lt;Sighting&gt;</li> </ul>

HeroToOrg
<ul style="list-style-type: none"> <li>- hero, Hero</li> <li>- org, Organization</li> </ul>

HeroToOrg
CRUD <ul style="list-style-type: none"> <li>getAllRelationships() - List&lt;Rel&gt;</li> <li>getRelationshipByHero(int herold) - Rel</li> <li>getSingleRelationship(int herold, int orgld)</li> </ul>

## Service

- + addSighting(int herold, int locld, LocalDateTime dateTime) - Sighting
- + getHerosSightedAtLocation(int locld) - List<Sighting>
- + getHero(int herold) - Hero
- + getSightingsForDate(LocalDateTime dateTime) - List<Sighting>
- + getOrganization(int orgld) - Organization
- + populateHeroInformation(Hero hero) - Hero
- + populateOrganizationInfo(Organization org) - Organization