**Superhero Sightings ERD Design:**

**Heroes**

hero\_id (Primary Key)

name

description

superpower

**Locations**

location\_id (Primary Key)

name

description

address

latitude

longitude

**Organizations**

organization\_id (Primary Key)

name

description

address\_contact\_info

**Sightings**

sighting\_id (Primary Key)

hero\_id (Foreign Key referencing Heroes)

location\_id (Foreign Key referencing Locations)

date

**Hero\_Organization (Bridge table for many-to-many relationship between Heroes and Organizations)**

hero\_id (Foreign Key referencing Heroes)

organization\_id (Foreign Key referencing Organizations)

**Relationships:**

A hero can be sighted at many locations but each sighting is for one hero. (One-to-Many between Heroes and Sightings)

A location can have many sightings but each sighting is at one location. (One-to-Many between Locations and Sightings)

A hero can be a part of many organizations and an organization can have many heroes. (Many-to-Many between Heroes and Organizations, resolved using Hero\_Organization table)