Database Project Assignment 3: Entity Relationship Diagram & Documentation

Create an ERD for your database.

* Use a computer software, such as lucid chart or MS Visio
* Identify any foreign keys
* Identify primary keys
* Describe relationships between your tables using crows foot notation.
* Include 6 to 8 entities in your design

For each **table** in your ERD, you should have a paragraph explaining:

* What data is in this table?
* What attributes are included?
* Are there any foreign keys?
* What is the primary key?
* What table(s) does this table have a relationship with?
* What is the relationship between the tables, and why is it that?

Upload your assignment to Moodle and Github. Show your ERD and explain the logic on Flipgrid.

Diagram

Description automatically generated

* **Power Table**

This table in my Marvel Database holds all the different types of powers a hero can potentially have with the primary key PowerType given to each hero. Such as Flight, strength, speed, or magic. In connection with the joint table Abilities that registers 1:M abilities that is then shown with a hero having 1:M potential powers/abilities.

* **Abilities Table**

The abilities table (join table) in my ERD that connects powers table to hero’s table. Shows the certain 1:M Powers a hero can obtain and has the data for the origin of where that power came from as the foreign key.

* **Origin Table**

This Origin table shows data of where a hero and nemesis where they originated and where their home base is as set Origin\_ID is the primary key. In addition, to home base this table also provides the data for their power origins. This table has a relationship with the Superhero table as one and only one hero can have one and only one state of origin.

* **Superhero Table**

This table contains the data of pretty much all of a heros information. Their origins, there name, age, SuperHeroID code as the primary key. With other foreign key attributes like powertype, their nemesis name and homelocation. This table holds many relationships with the other tables as a one and only one superhero can have 1:M nemesis, 1:1 origin, and 1:M abilities.

* **Nemesis Table**

This table in my ERD is the nemesis table holds the Nemesis\_ID name as the primary key for a superhero’s villain. It also includes their origin and power as foreign keys. Holding a M:1 relationship with the Superhero table as many nemesis can go to one and only one Superhero.

* **Location Table**

Location table holds the data of only 2 key components a SuperHero’s home location and HQ\_ID as the primary key as a location where you will find a Superhero to be at most of the time. In relationship to the Superhero table one and only one location can be assigned to 1:M Superhero’s.