

# Marvel/DC Character Database



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# System Description

DC/Marvel character Database - two type of users that would be using it a normal user and an admin

User - can view the database characters

- Can view a specific franchise at a time or both
- Could view the tables or can have more specific search to narrow it down

Admin - can view and edit the database of the characters.

- Can view all of the data tables
- Can do the INSERT, DELETE, and UPDATE on all the tables

# Implementation details

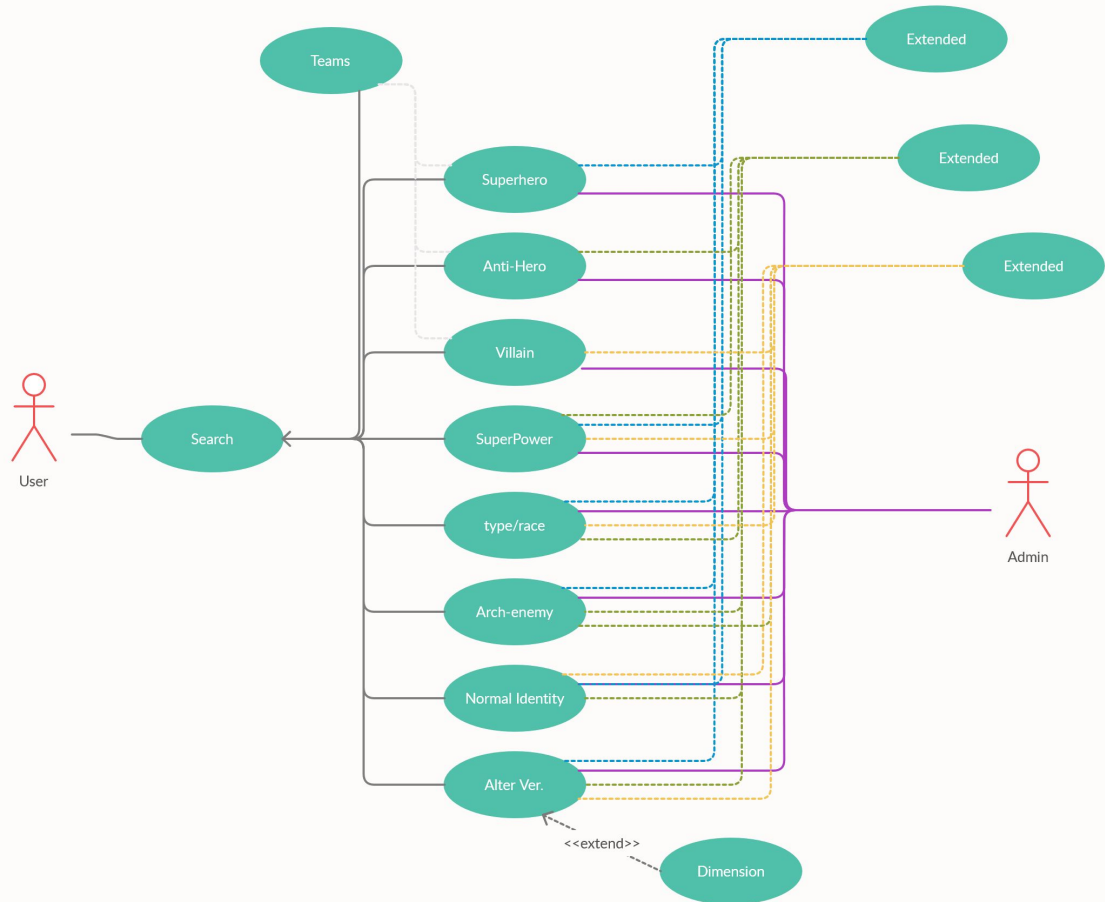
- For the actual database we made an excel sheet and manually inserted & search for the data we needed then made to csv files and then transferred to Sqlite studio to make sqlite file.
- Terminal-Based interface - followed the idea of work done in CSE 20,21 where we used number values to navigate
- Made a front page for a new person to choose if they are a normal user or an admin ( tried to make a type of login for admin)
- Used java like lab 7, made all the sql statements on top of file but then they are simply called when they are needed to separate the sql and the overall java
  - By the overall java is that there is a lot of `system.out.println`'s and if statements like a lot of them
- As following lab 7 we also used a JDBC Driver to be able to interact with the database

## UML-Diagram

User - is able to “search” to view characters of the tables, by either having a simple “view all of” type of search or a more complex/narrow search like “view all the characters that have,are,aren’t ....”.

Admin - has a similar ability to view the tables like the User but has the power to INSERT, DELETE, and UPDATE all of the tables.

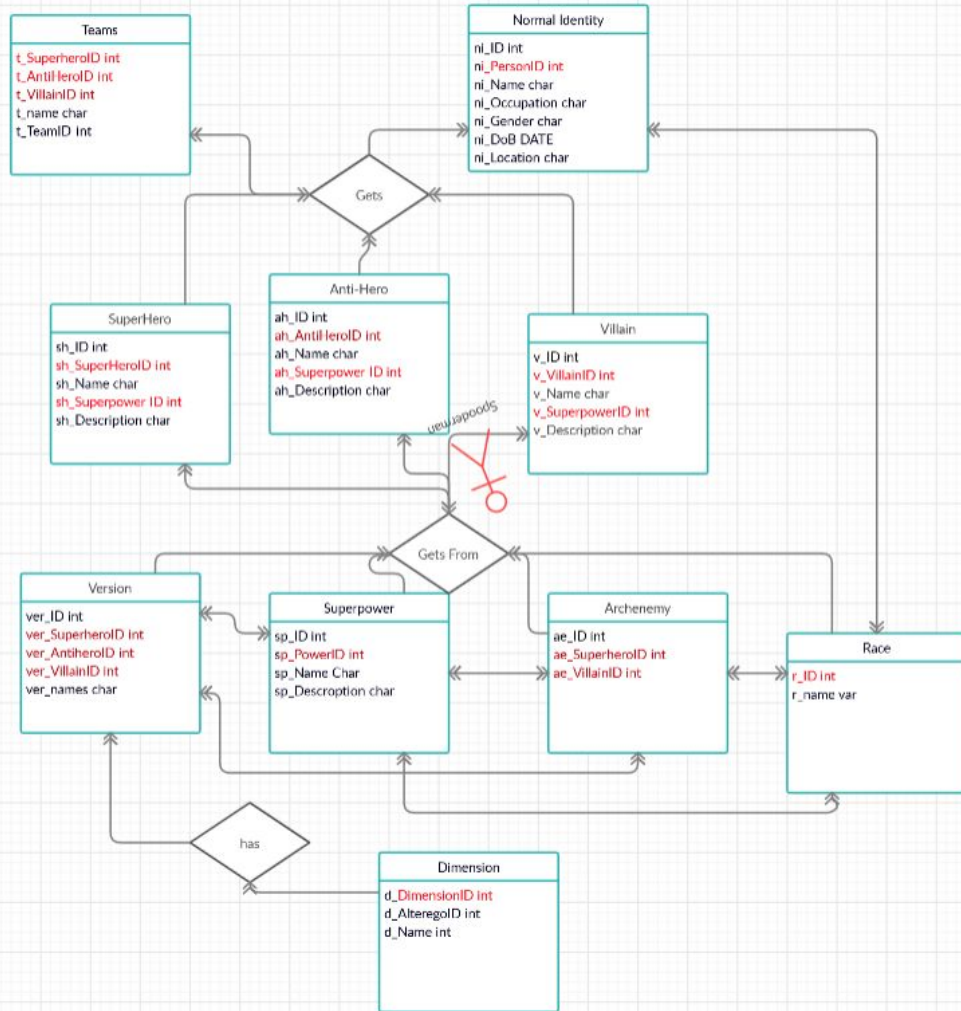
## UML- DC/Marvel Characters Classification Website



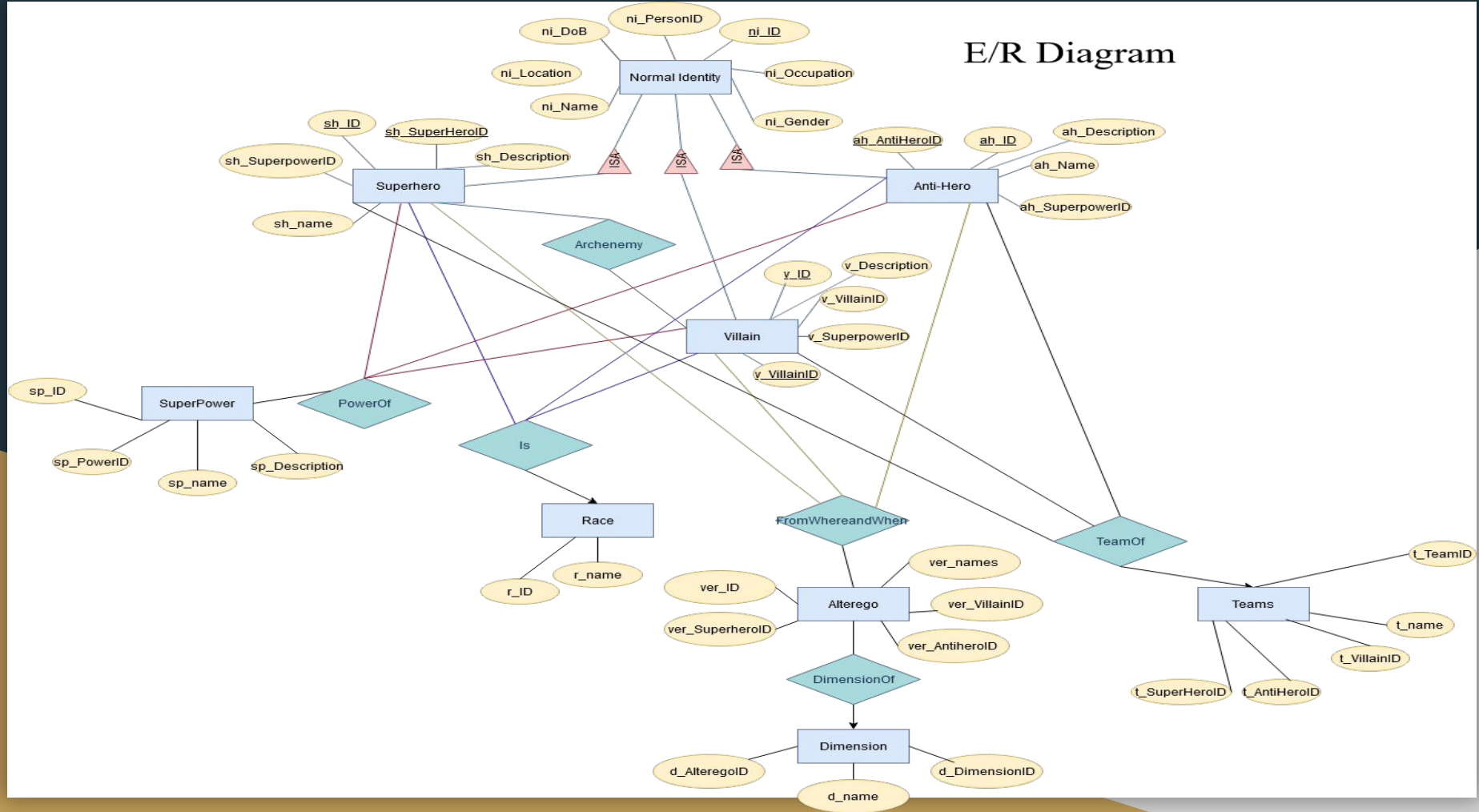
## SQL Schema Tables

Many-many relationships:

- Archenemy
- PowerOf



# E/R Diagram



Demo?



# Thank You For Your Time

Questions?

