

Database Outline in Words (5%)

Tell me how the data is supposed to work. This is similar to the description I gave for the question 3 of assignment 1. What constraints should be in place. What tables are related to what other tables. A lot of the grading will be based on if things match this description of your database so make sure it is complete. If you say a constraint exist and you don't enforce it, that is incorrect. If you enforce a constraint you don't describe, that is incorrect.

The Champions table includes champions which have a champion_id, a homeworld_id, a name and a damage type. The primary key is the champion_id. champion_id will also be used as a foreign key for the Lanes, Items and Roles tables.

The homeworld_id is a foreign key to homeworld_id of the Homeworld table. There is a ON DELETE RESTRICT ON UPDATE CASCADE between the two. Meaning the entry cannot be deleted if there is at least one link between a homeworld and a champion.

In the Homeworld table, there is a homeworld_id, homeworld_name, and homeworld_description. The primary key is the id.

In the Lane table, there is the lane_id and lane_name. The primary key is the id.

The Lanes table connects the Lane and Champion tables together through foreign keys on both their respective champion_ids and lane_ids. Both of which have ON DELETE RESTRICT ON UPDATE CASCADE constraints.

In the Role table, there is the role_id and role_name. The primary key is the id.

The Roles table connects the Role and Champion tables together through foreign keys on both their respective champion_ids and role_ids. Both of which have ON DELETE RESTRICT ON UPDATE CASCADE constraints.

In the Item table, there is the item_id and item_name. The primary key is the id.

The Items table connects the Item and Champion tables together through foreign keys on both their respective champion_ids and item_ids. Both of which have ON DELETE RESTRICT ON UPDATE CASCADE constraints.