University of British Columbia
Department of Computer Science

CPSC 304 S1 2019

Group Project - Implementation of a Relational Database

Project Title:	Hero Database
Project Milestone:	Milestone 1

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above.
In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Hero Database

What is the domain of the application? Describe it.

The domain that we'll be modelling is that of a hero database. Specifically, we'll be focusing on data related to One Punch Man.

What aspects of the domain are modeled by the database?

The aspects of "professional heros" that will be modelled are all related to the heroes' activities as crime fighters. It will have information such as their name, address, powers/abilities, notable feats, association(s), amongst other things about their hero-ing. Ideally this will encompass enough fields such that a user who is requesting aid may specify traits and sort to the most ideal hero for the situation.

What benefit does the database provide to the application?

The benefits of a database here is multifold. To begin, it will not only recommend the most suitable hero for a user's requested job, but also allow the user to book/reserve a hero's service on specific days. In addition, for the heros, the database will also keep track of their schedules and heroic deeds so that the heros will know when they are ready to apply for a promotion. To achieve these functionalities, the database/application distinguishes the user groups and assign privileges accordingly. For instance, an agency admin will able to see sensitive information on all heros, whereas a normal user can only view the availability of a specified hero.

What functionality will the database provide?

Beyond the basic insert / delete / update, there will be multiple levels of users with different privileges. There will be 'the administration' (which is literally just administrators), who will have full access to the data; they will be able to create/update/remove heroes and their specifics. There will be the hero class user that can update some of their own data. Finally, there will be a non-registered user class which will be able to search and sort through the hero listings for specific categories and powers to help assist in specific jobs.

What platform will the final project be on?

We expect that we will only be using the given Oracle system with Java/JDBC.

What is your application technology stack?

Currently at the proposal stage we will be using Java and JDBC.