

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 54

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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 the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

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.

Project description

The domain of our application is tabletop role-playing games, with a focus on Dungeons & Dragons (DND). The application provides a database solution for managing key components of DND campaigns by modeling:

- Campaigns: Tracks essential details such as campaign ID, name and number of players.
- Players and characters: Manages information about players and their characters, including ability scores and important characteristics such as class, species and feats.
- Events: Records details of combat and social encounters, including combat checks and social checks.

Game Masters often struggle with managing vast amounts of campaign data manually, especially over long running campaigns. Our application reduces the burden of manual note-taking, allowing GMs to focus on storytelling and facilitating gameplay. The ability to track combat and social encounters enables the GM to recall previous events with precision, improving session flow and player immersion. Players can also look up character stats and easily reference past events and encounters.

Database specifications

The database will offer comprehensive functionality for managing DND campaigns. It will provide an overview of active campaigns, enabling Game Masters to recruit players easily. Within each campaign, players can create and manage detailed character profiles, as well as record and track events including social and combat encounters. Overall, the database will streamline DND campaign management.

Application platform description

As suggested, we will use the department's Oracle server as the database for our project. The expected application technology stack will consist of PHP for server-side scripting and JavaScript for client-side scripting.

ER diagram

