CPSC 304 Project Cover Page

Milestone #: <u>0</u>

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Group Number: <u>29</u>

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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

Milestone 1

The domain for our project will model that of a Spotify-like app focusing mainly on the users, which includes listeners and artists. The app will model songs, albums, and playlists.

The database application benefits music listeners and artists as it competes with major music streaming applications such as Spotify and Apple Music, granting listeners and artists alike the privilege of choice.

The database will allow users to act as listeners, artists, or both. Users can have their own profile, including a nickname which is maintained and updated by the user. Listeners can save their favorite songs and create shareable playlists, while artists can upload songs and albums. Allowing artists to be artists as well as listeners allows other listeners to follow their favorite artists' playlists. There will be different information related to the two types of users. For example, listeners will have listening time and top genre based on their habits, while artists will have the number of monthly listeners recorded. The application will also allow users to search for songs and albums via keywords.

We will use PHP with HTML to support our frontend. The DBMS for our system would be based on an Oracle server. If we choose to deploy the application, we might use a web service like Heroku.