University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: ____1____

Date: __Oct. 1st, 2024___

Group Number: ____123___

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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

2. A brief project description answering these questions:
a. What is the domain of the application? Describe it.

The domain of the application is entertainment, specifically focusing on performance show voting management.

b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

The database is to model a voting system of a competition show, involving singers and bands. It has performances that are matches, each match is formed by two groups that contain bands and singers as the performers. The groups then perform a song from the songs in the database. Judges vote on which groups they think are the best ones, and the audience votes on individual singers that they like.

3. Database specifications: (3-5 sentences)
a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

The show's organizers can use this database to manage available songs and to get authorization from the original performers, track performances and matches, and monitor the audiences' and judges' votes. The database tracks key show elements: performers, judges, audience, sponsors, songs, matches, and groups. It records individual and group votes, assigns performers to groups and matches, and selects songs. Users can track votes, manage performer progress, and access a song catalog. It also keeps records of each match for both the show organizer and the audience or judges to view.

4. Description of the application platform: (2-3 sentences)
a. What database will your project use (department provided Oracle, your own MySQL, etc.)?) See the “Project Platforms” section of this document for more information.

For our application platform we will be using Oracle because it is well supported by UBC with the department server. Oracle is also widely used in many industries using database management.

b. What is your expected application technology stack (i.e., what programming

languages and libraries do you want to use)? See the “Project Platforms” section of this document for more information.

For our technology stack we will use Javascript because it is the most common combination with Oracle. We also want to learn javascript.

5. ER diagram