University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 128

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Jason Zhu	98960727	n6v7c	zhujason4@gmail.com
Michael Cui	16721946	r4a2e	michaelcui11062003@gmail.com
Leo Wang	46986956	k0j9k	Leowang801@gmail.com

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

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2a. What is the domain of the application? Describe it.

The application we are designing is for events orgranizations. It allows organization to assign events to sell tickets to guests, host events, and analyze performance data in the venue. Therefore, the domain of it will be events/capacity management/logistics.

2b. What aspects of the domain are modeled by the database?

Events: The core of the database revolves around events. Attributes like event ID, name, time, and description provide basic details about the event.

Guests: The system keeps track of guests, capturing details such as their name, email, ticket number, and phone. The relationship between guests and events indicates that guests can attend multiple events.

Venue: Every event occurs at a specific venue. The venue has attributes like name, address, and capacity. The 'hosts' relationship indicates that a venue can host multiple events.

Performers: The database captures details about performers, including their name, email, and agent. Performers can perform at multiple events, and this relationship is captured through the 'PerformsAt' relationship.

3. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

- Users can create, update, and delete events, setting details like the name, time, and description of the event.
- Register and track guests for each event.
- Search for a guest based on their name, email, or ticket number.
- View which events a particular guest is attending.
- Register and classify vendors as either food vendors or merchandise vendors.
- Register new performers with their details like name and agent.
- Assign performers to specific events.
- Assign sponsors to specific events and manage the sponsorship amount.
- Analyze vendor performance and popularity at events.

4. Tech Stack

We will be using Oracle for our database with Java as mentioned in the project specs. We will use React.is for the front end.

5. ER Diagram

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