CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 61

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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 an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).

The domain of the application is tourism and travel, specifically focused on helping users discover, review, and book experiences in various cities, starting with Vancouver. The application will provide information on local tourist locations, acting as a central hub for travelers to plan and organize their trips. This domain also encompasses hospitality, event management, and city exploration, integrating features that promote an enjoyable and efficient travel experience.

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 models several key aspects of the tourism and travel domain, including:

1. Location: Users can explore tourist destinations such as museums, parks, and other points of interest. Each location will have details like its location, category, and operating hours.
2. Events: Users can discover and book tickets for local events happening around the city, such as festivals, workshops, or concerts.
3. Reviews and Ratings: The application will allow users to leave reviews and ratings for locations such as restaurants, and hotels, providing a community-driven feedback system for other users to rely on.
4. Bookings: Users can make reservations for restaurants, hotels, and events. The system will track booking details like dates, availability, and user preferences.
5. City: Contains more broad information on the location. Users can filter based on the city they want.
6. Category: Helps user filter and explore the content within the application, making it easier to organize and navigate through points of interest.
7. User: Contains general information on the user and is assigned an unique id when they create an account.

This application addresses the need for a one-stop platform where users can not only search for and explore locations but also make bookings and review their experiences. For instance, a tourist visiting Vancouver could use the app to book a hotel, find nearby parks or museums to visit, make a dinner reservation, and review their experiences afterward. The system also ensures ease of use by offering category filters, user reviews, and ratings.

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 database will provide users with the ability to search for and filter locations based on various categories such as location, price, and type. Users will be able to create accounts, leave reviews and ratings, and make bookings for bookable locations such as restaurants, and hotels directly through the

application. The database will store and manage all user information, bookings, reviews, and location details, ensuring that users can access up-to-date information on available activities and services.

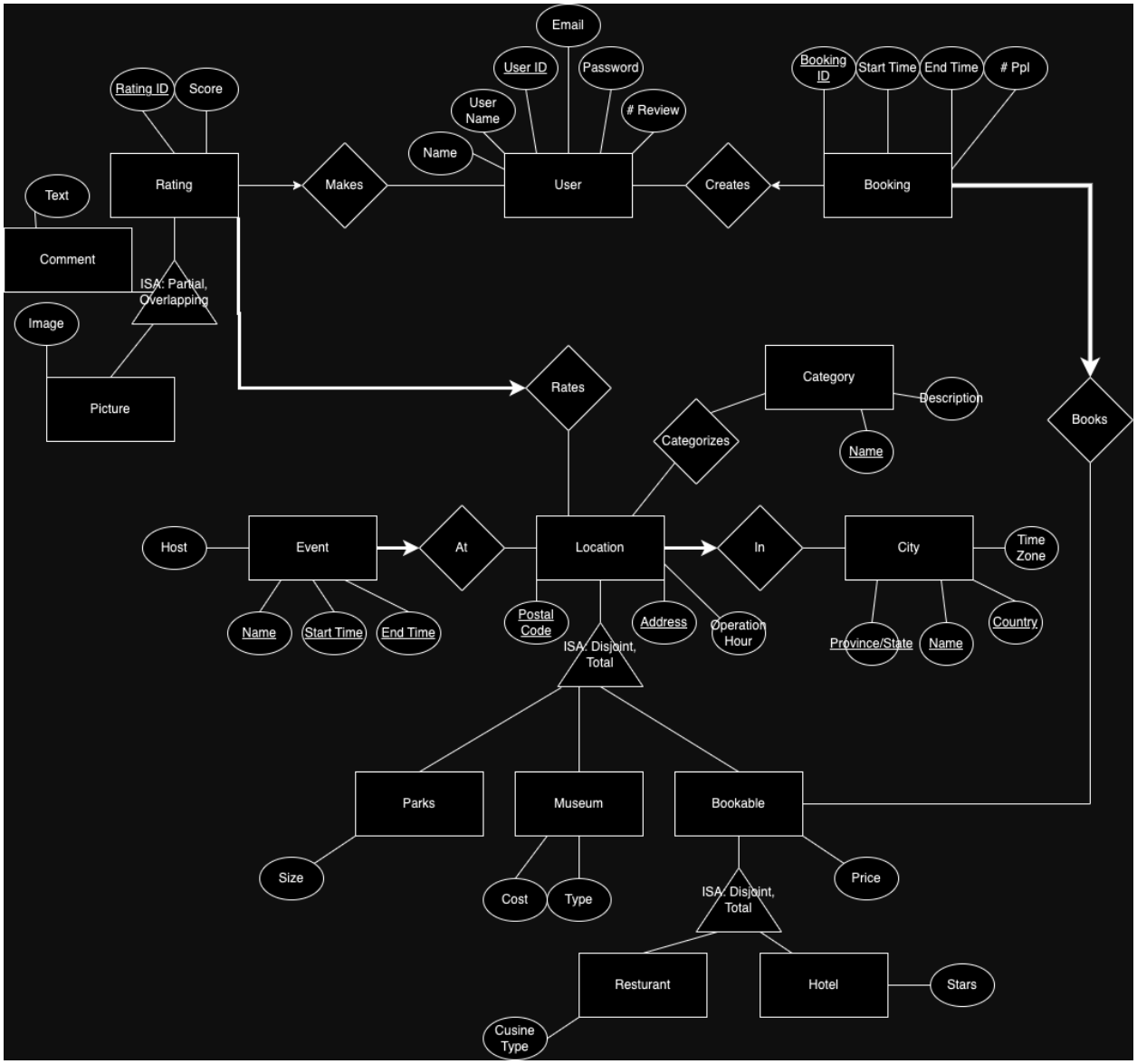
4. Description of the application platform: (2-3 sentences)
a. What database will your project use (department provided Oracle, your own MySQL, etc.)?) See the "Project Platforms" section of this document for more information.

For the database, we will use the department-provided Oracle database, as the cs department provides support for them.

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. i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

For our technology stack, we will use javascript, with our frontend being react and node.js for the backend.

5. ER Diagram(1 page limit)



6. Your E/R diagram should adhere to the expectations listed above.

7. Other comments, as appropriate, to explain your project

The category is an entity used to classify the location. Such as the location being child-friendly, night life, art and culture, etc. A location can have many of these categories to help the user filter through and explore the locations.