University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 145

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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

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1. A completed cover page (template on Canvas)

2. A brief project description answering these questions:

We are creating a ticketing platform that takes care of everything from end to end. It allows venues to create seat maps and issue tickets for it, allows users to buy and resell those tickets, and allows concessions to be packaged with tickets as well. The system is meant to be used in anything from a small fundraising gala to selling tickets for Taylor Swift's Eras tour.

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).

Ticketing and Inventory 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.

It is meant to be a ticket issuing and buying system where venues can create seat maps, issue tickets and users can then purchase those tickets, and even resell them. This would be a replacement for ticketmaster for instance, and could be applied to anything from selling tickets to a small fundraising party to selling tickets for Taylor Swift's Eras tour.

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. CPSC 304: Project Desc

Users need to be able to look up their tickets, purchase new tickets, and access resales – whether to buy or sell. They should also be able to access the venue's name, address, show information, and seat map (if applicable). Venues need to be able to create tickets that can be sold to users, create seat maps, and add concessions.

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

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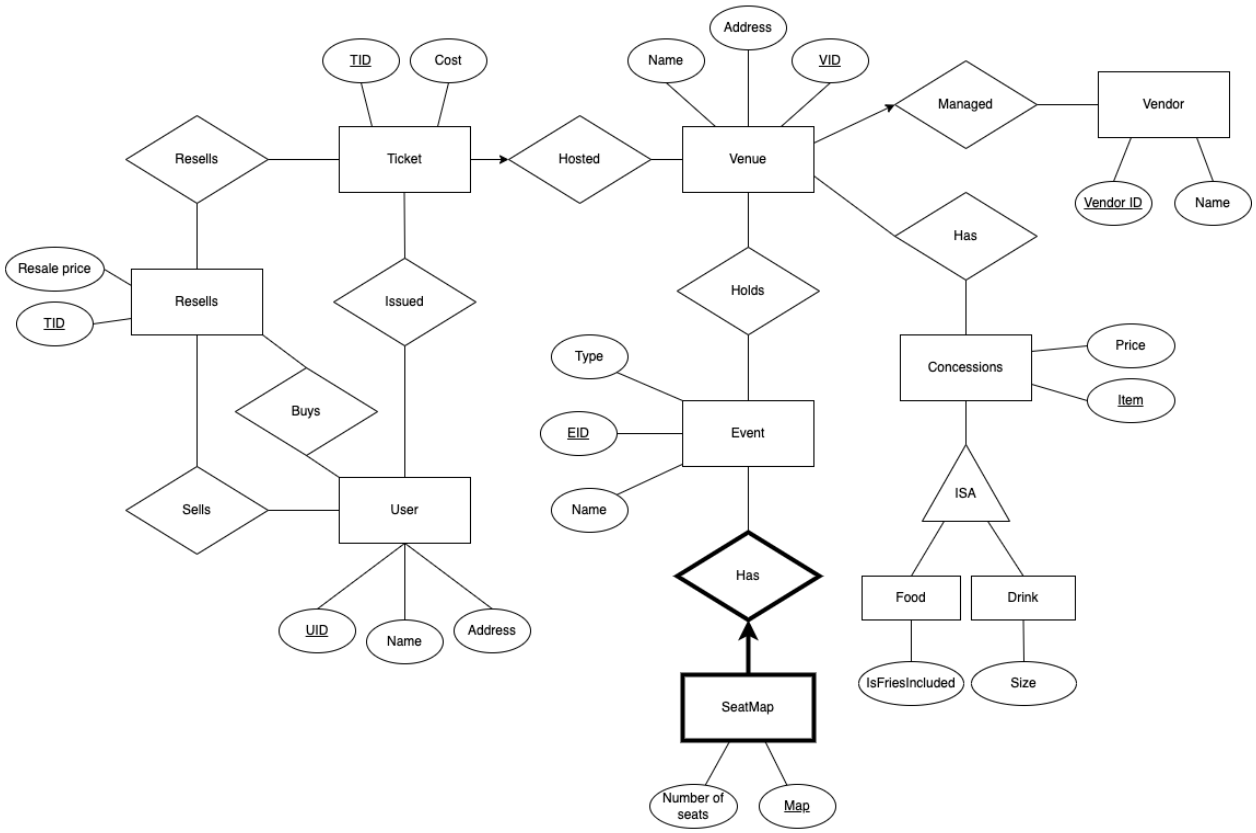
We will be using Python Flask for the backend with OracleDB and React JS for the frontend.

5. An ER diagram for the database that your application will use. It is OK to hand-draw it but if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, etc.) The result should be a legible PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures. For example, do not use crow's feet notation or notation from other textbooks). a. Please limit your diagram to a letter size page (8.5 x 11 inches). If you require additional space, talk to your project mentor beforehand as this might mean that your project is a bit more complicated than what we expect.



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

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