University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: Oct 6, 2023

Group Number: 58

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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

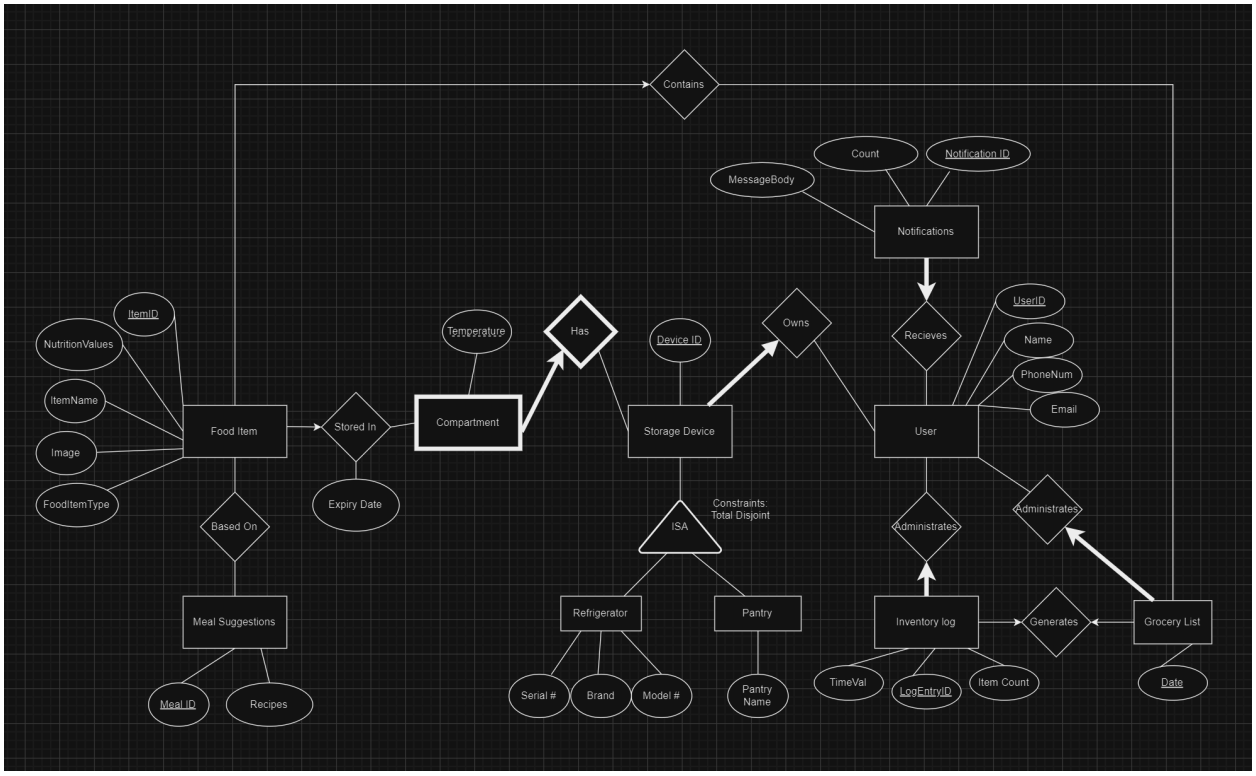
Deliverables

All of the following items must be put together into a single PDF file.

1. A completed cover page (template on Canvas)
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).
        i. Our domain is smart home enthusiasts and busy university students
    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.
        i. Our project is creating an app that tracks the food for smart home users and university students. The functionalities include expiry date reminders, automatic grocery list generation, customized recipe suggestions, and a detailed list of the food inventory.
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.
        i. Remind the user of when food is expiring in their home.
        ii. Provides the user with meal recommendations.
        iii. Tracks count of food of different types in inventory.
        iv. Provides the user with a list of food items that they've stored
        v. Adds food to grocery list when food count runs out
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.
        i. Oracle and PHP
    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.
            1. Javascript as language and React as library for frontend.
            2. Oracle and PHP for backend.
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.



https://app.diagrams.net/#G1LhovC8F_DYqAdl_Dx2VE7o7fG294g8A2

6. Your E/R diagram should adhere to the expectations listed above.
7. Other comments, as appropriate, to explain your project.
    a.