CPSC 304 Project Cover Page

Milestone #: 1

Date: January 30, 2023

Group Number: 39

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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.

Project Description

The domain of this application is food inventory management. The application manages the inventory of a kitchen/pantry by modeling the location and inventory of food and drinks for recipes, while also keeping track of product information (e.g., expiration dates, who bought the product, etc.), as well as recipe information (e.g., nutritional value, the cookware and utensils needed, etc.).

Our project will provide healthy and nutritious meal ideas with what is available in your kitchen inventory, while keeping track of product expiration dates to remind users of when their food is about to expire to help combat food waste. With these features, our project aims to address the issue of healthy eating and prevent food waste, ultimately promoting sustainability.

Database Specifications

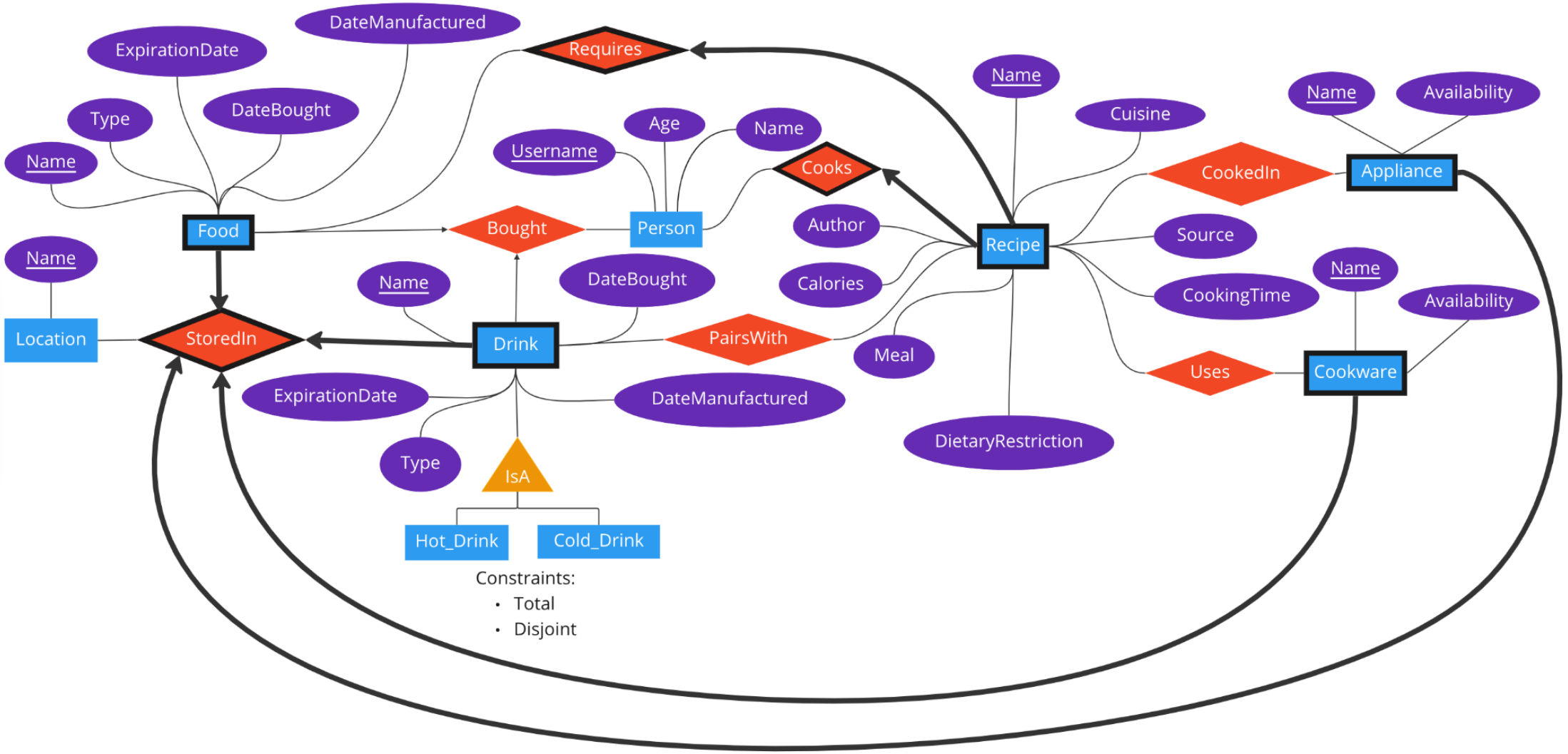
Users will be able to use the database to manage their kitchen/pantry inventory. If they are looking to cook a particular recipe, they will be able to determine the ingredients, appliances, and cookware they need. They will also be able to keep track of all the food and drinks they have, viewing the name, type, expiration date, date manufactured, and date bought. Additionally, users will be able to determine the location of their food, drink, appliance and cookware.

Application Platform

For our application, we will use Oracle/Java as our DBMS. To build the frontend implementation of the database, we will use JavaScript.

ER Diagram

Please view the next page for our ER Diagram and rotate the screen.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DateManufactured
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Type
IsA
Hot_Drink
Cold_Drink
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• Total
• Disjoint