University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 21

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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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Project Description

What is the domain of the application? What aspects of the domain are modeled by the database?

The domain of the application is a need-based cookbook for university students. We will be creating a cooking database for university students with recipes that they can query for, given the ingredients they have. This would prevent the constant scrolling through recipes online, only to find that they call for an ingredient you don't have. These recipes are also able to be reviewed and have their associated author so that the students can have all of the information they need before deciding on their recipe.

What functionality will the database provide?

The database will contain a myriad of recipes for university students. There will be two types of users: an author and a student. An author would be able to publish a recipe along with ingredients and health warnings, like allergens. Each student would be able to create a request for a recipe that they are interested in. With each request, a history log for each user would be updated, containing details such as the date, log ID, and the requested user. Students also have information regarding the ingredients that they currently have and with this information, the application would be able to recommend meals that they would be able to create. Another feature that students can use is the review function where they can leave a review on a recipe that they have tried. This recipe will have a date and rating for other users to see.

What platform will the final project be on? What is your application technology stack?

We will be using the provided Oracle database, a Java backend and a React, CSS and JavaScript frontend.

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ER Diagram