University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: 29 May 2023

Group Number: 25

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Eric Wong-Liu	43745637	a4z1l	ericwongliu@hotmail.com
Xuan Tung Luu	30236798	q6s5q	xuantung.brian@gmail.com
Daniel Lee	18576249	y9w1b	2hyungyu@naver.com

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

University of British Columbia, Vancouver
Department of Computer Science

Project description:

a) The goal of our project is helping people to make a quick decision on what to have for their meal. We firstly provide 2 options: eating out or cooking at home. For each option, we provide them with more information. For instance, if the choice is eating out, we will provide choices on restaurants and their relevant properties such as type of cuisine and location. On the other hand, if cooking at home is chosen, we will provide the suitable recipes that can be made with the ingredients and equipment that the user currently has, with attributes such as difficulty and nutritional value. The application aims towards anybody who wants to have a healthier, more interesting meal without the need to spend too much time on meal decisions.
b) The database will focus more on the option to cook at home, the function to obtain a recipe based on the ingredients and equipment that the user has should be fully implemented. For the eating out option, we only intend to provide the basic ability to search for restaurants with some given simple criterias.

Database specifications:

The database will store information about users, ingredients, cooking equipment, recipes, nutritional values and restaurants. It will allow users to query for recipes based on the ingredients and equipment they have, or query for restaurants to order food from based on criterias such as the type of restaurant. The database will keep track of each user's inventory of ingredients and equipment, updating it if needed as the user makes a recipe. The database will also allow new entries to be added for all the entities as long as the constraints (if any) are satisfied.

Application platform description:

For this project, we will use Node.js/Express.js to implement our backend server. Node.js provides the MySQL module, which we will use to manage our database. Both Node.js and MySQL are free and open source. If our application requires a frontend to visualize our data, we will use React.js. Additionally, we plan to get a free AWS server account to host our application on a central server.

University of British Columbia, Vancouver
Department of Computer Science

ER diagram: