University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: <u>1</u>

Date: <u>Feb 3, 2024</u>
Group Number: <u>66</u>

Name	Student Number	CS Alias (Userid)	Preferred Email Address
Brendan Yuen	16212987	u2r4d	brendanyuen@hotmail.com
Roberto Mulliadi	45216298	d4n0y	robertomulliadi@gmail.com
Zehao Guo	13448915	r2k8i	zehaog@student.ubc.ca

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 email 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

The domain of the application is in the culinary area. It will cover entities like recipes, ingredients, and ratings. This database will be for recipes for restaurants and individual use. The app will try to provide a platform for managing and sharing recipes among professional and amateur chefs. Users can search, browse, filter and upload recipes based on dietary restrictions, cuisine type, or difficulty level.
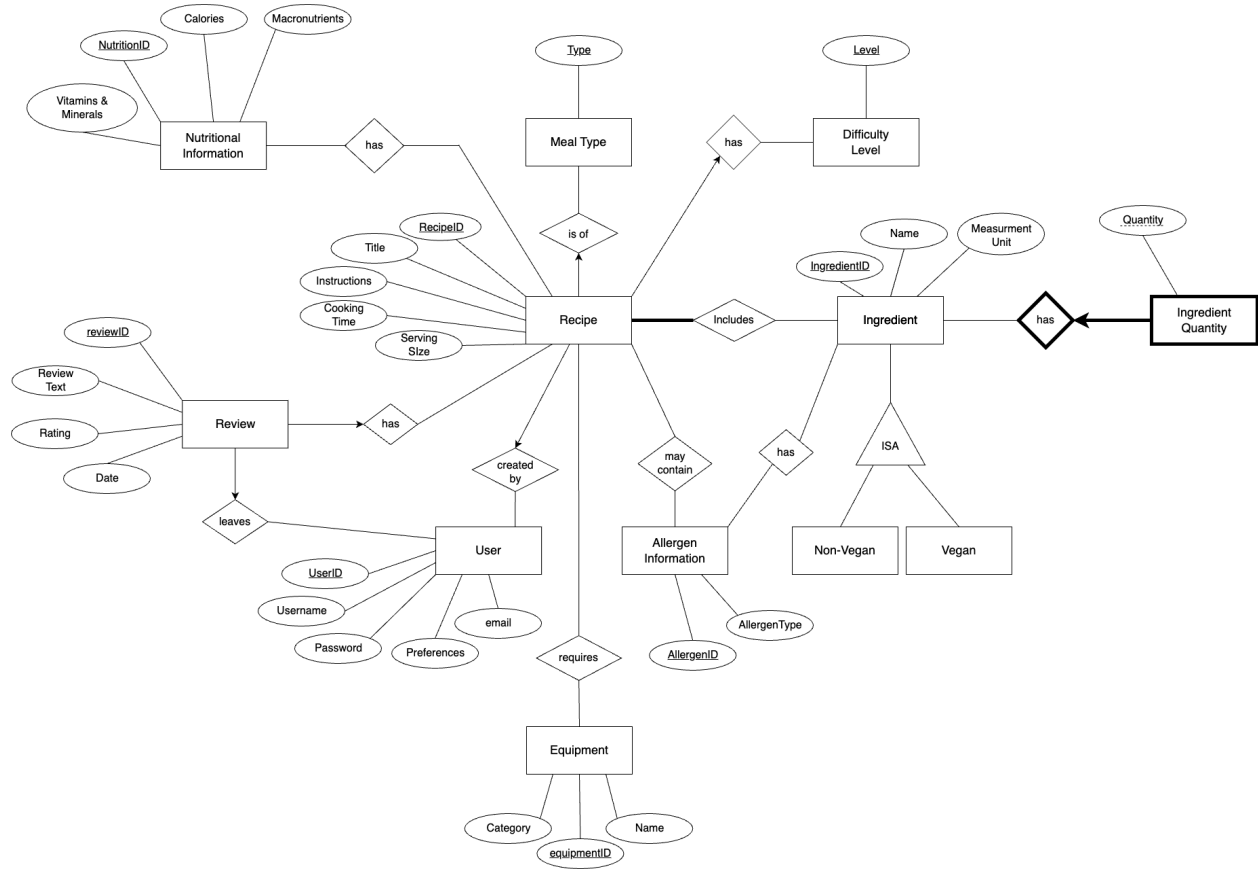
Database Specifications

The database would be able to provide recipes for different cuisines. It would allow people to search receipts based on the names of ingredients and seasoning they have, with additional filter functions that consider users' need for allergen information, dietary information, calories, macronutrient breakdown, vitamins and minerals, and cooking time and difficulties. Users will also be able to upload their own receipts, and the database will be able to provide dietary information, calories, macronutrient breakdown, vitamins, and minerals based on the ingredients and seasonings the user put in.

Description of the Application Platform

We will be using the MySQL database provided by the department for this project.
We will be using Java as the primary programming language for this project and might be using related libraries such as Java Database Connectivity (JDBC), Hibernate, Spring Data, and so on.

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ER Diagram

Additional Comments

We are exploring a precise way to describe measuring units to include both the Metrics system and the Imperial system and eliminate ambiguous words such as 'a little bit'.