

# University of British Columbia, Vancouver

Department of Computer Science

## CPSC 304 Project Cover Page

Milestone #: \_\_\_\_3\_\_\_\_

Date: \_\_2024-03-08\_\_\_\_

Group Number: \_\_\_\_49\_\_\_\_

Name	Student Number	CS Alias (Userid)	Preferred Email Address
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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

## Summary

Our project is an app that allows its users to plan their meals in much detail over a set period of time. The users would initially input their budget, location, nutritional preferences, and preferences to eat in or out as a query. The app would help the user build a set meal schedule best accommodating their preferences, such as by allowing them to see each food choice's nutritional facts, which restaurant to buy their food, which grocery store to buy certain ingredients, and which recipe for making each food/meal.

Link to repo: [CPSC304-2023W-T2/project\\_p6e5b\\_r7d3b\\_y1c2b \(ubc.ca\)](https://github.com/CPSC304-2023W-T2/project_p6e5b_r7d3b_y1c2b)

Template: [CPSC304/CPSC304\\_Node\\_Project \(ubc.ca\)](https://github.com/CPSC304/CPSC304_Node_Project)

## Description and Timeline of Challenges/Things Left to Do

The "Completed? (Y/N)" in the table below indicates whether a task is completed or not. Overall, these tasks reflect on our ER diagram that we created in Milestone 2. Currently, we foresee creating the frontend and the backend in tandem. The following outlines the schedule to implement our project, with the first tasks to complete will be initializing the Express server and React app project.

Completed? (Y/N)	Due Date	Task Description (Frontend/Backend)	Assigned To
N	March 15, 2024	Backend: test a server with Express using the given CPSC 304 Node template	All
N	March 15, 2024	Backend: create a new database connection on DBMS	All
N	March 15, 2024	Backend: write .sql script to drops all the tables, fills that database with new tables, and reloads as needed	Ian
N	March 22, 2024	Backend: create API routes for data retrieval query from database (get user info, get mealPlans, get meals from restaurant, get ingredients from grocery store, Etc.)	All
N	March 22, 2024	Backend: create API route(s) for data insertion query to database	Marvin
N	March 22, 2024	Backend: create API route(s) for data deletion query in the database (delete meal plan, delete meal, etc)	Winston
N	March 22,	Backend: create API route(s) for data updates	Ian

	2024	query in the database	
N	March 22, 2024	Backend: create API route(s) for a query to project a certain amount of attributes for viewing on the front-end	All
N	March 29, 2024	Backend: create API route for a query that leads to joining 2 tables	All
N	March 29, 2024	Backend: create API route for a query that aggregates a set of values through grouping	All
N	March 29, 2024	Backend: create API route for a query that does a nested aggregation on a set of values through grouping	All
N	March 29, 2024	Backend: create API route for a query that aggregates a set of values using a having clause	All
N	March 29, 2024	Backend: create API route for a query that does a division on the data	All
N	Apr 1, 2024	Backend: double check for data sanitization and other security practices	All
N	March 15, 2024	Frontend: create new React app project	Marvin
N	March 22, 2024	Frontend: create button/textboxes for data insertion query to database	Marvin
N	March 22, 2024	Frontend: create button for data deletion query in the database	Winston
N	March 22, 2024	Frontend: create button/textboxes for data updates query in the database	Ian
N	March 22, 2024	Frontend: create button for a query to project a certain amount of attributes for viewing on the front-end	All
N	March 29, 2024	Frontend: create button for a query that leads to joining 2 tables	All
N	March 29, 2024	Frontend: create button for a query that aggregates a set of values through grouping	All
N	March 29, 2024	Frontend: create button for a query that does a nested aggregation on a set of values through grouping	All

N	March 29, 2024	Frontend: create button for a query that aggregates a set of values using a having clause	All
N	March 29, 2024	Frontend: create button for a query that does a division on the data	All