

# CPSC 304 Project Cover Page

Milestone #: **3**

Date: **10/25/2024**

Group Number: **35**

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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 of Project

Our website strives to make food at UBC-affiliated restaurants affordable and satisfying for UBC students, whilst also providing valuable business information and demographic data for restaurants. The data stored with our application will help UBC restaurants to figure out the food preference of UBC students based on their demographics and time of year. The students in turn will be able to buy tastier and more affordable food on campus based on their feedback as well as their food preferences, and the restaurants will be able to see this, while also being able to observe the types of students visiting them (what year, major, etc.), how much they're spending, etc.

Github repo: [https://github.students.cs.ubc.ca/CPSC304-2024W-T1/project\\_m1g3t\\_q1i7x\\_w5i1d](https://github.students.cs.ubc.ca/CPSC304-2024W-T1/project_m1g3t_q1i7x_w5i1d)

Language

- Javascript – GUI (frontend)
- PHP – backend
- Oracle – DBM

## Timeline + Plan of Project

Task name	Description	Assigned to	Date due
Simple figma mockup of app	Design all pages specified in frontend spec above as a low to mid fidelity prototype to make implementation more consistent	Zayan	Nov 5
Sql script initialization		all	(throughout)
Learn php and figure out backend for assigned functionalities	User management (login, signup) includes branch and customer  Feedback management (edit/create/view)  Coupon management (edit/create/view)  Order management (pickup, delivery)	customer + feedback management – Daksh Daksh  Restaurant + coupon management – Pearl  Order management – Zayan	Oct 25 -
Finish backend	Implement (at least)	All	Nov 13

	all 10 queries expressed above		
Start learning js figure out frontend (GUI)	Login page (student, restaurant)  Home Page (student)  Status of order View coupon Make order Make feedback  Home page (restaurant)  Status of order View coupon Make order View feedback	All	Nov 13
Finish frontend	Implement figma design	All	Nov 19
Finish connecting frontend to backend	Allow all buttons, input fields, etc. to send, receive, and display data to user by connecting each appropriate input to the correct SQL function in backend	All	Nov 26
Due date for MS4	N/A	N/A	Nov 29

### **SQL Queries + Functionality:**

Required queries:

1. Insert
2. Delete (Canceling orders)
3. Update
4. Selection
5. Projection
6. Join
7. Aggregation with GROUP BY
8. Aggregation with HAVING

9. Nested aggregation with GROUP BY

10. Division

- Filtering for restaurant type
- Filtering for feedback

Login (page login):	Potential sql queries to use	Assigned to:
<ul style="list-style-type: none"><li>• Create acct with ubc id</li></ul>	Insert/ Select (to check for duplicates, unless insert handles it already due to the key constraint)	Daksh
<ul style="list-style-type: none"><li>• Login with existing id</li></ul>	Selection	Daksh
Customer	-	-
<ul style="list-style-type: none"><li>• place order</li></ul>	Insert, join, projection	Zayan
<ul style="list-style-type: none"><li>• creates a feedback</li></ul>	Insert, join, delete	Daksh
<ul style="list-style-type: none"><li>• views coupons</li></ul>	Select, from, where	Pearl
Branch (restaurant)	-	-
<ul style="list-style-type: none"><li>• Login for restaurant</li></ul>		Pearl
<ul style="list-style-type: none"><li>• Adds coupon</li></ul>	Insert, delete	Pearl
<ul style="list-style-type: none"><li>• Views/updates orders placed by customers</li></ul>	Projection, update	Zayan

**Description of challenges/things left to do**

- ☐ Figure out where to place 3 aggregation queries and division after lecture
- ☐ Figma prototype design
- ☐ Finish SQL Script
- ☐ Learning php/js to implement backend
- ☐ Complete frontend
- ☐ Integrating multiple languages
- ☐ Time management