

CPSC 304 Project Cover Page

Milestone #: **3**

Date: **10/25/2024**

Group Number: **35**

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.

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	XXXXXX	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 – XXXXX Restaurant + coupon management – XXXX Order management – XXXXX	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">• Create acct with ubc id	Insert/ Select (to check for duplicates, unless insert handles it already due to the key constraint)	XXXXXX
<ul style="list-style-type: none">• Login with existing id	Selection	XXXXXX
Customer	-	-
<ul style="list-style-type: none">• place order	Insert, join, projection	XXXXXX
<ul style="list-style-type: none">• creates a feedback	Insert, join, delete	XXXXXX
<ul style="list-style-type: none">• views coupons	Select, from, where	XXXXXX
Branch (restaurant)	-	-
<ul style="list-style-type: none">• Login for restaurant		XXXXXX
<ul style="list-style-type: none">• Adds coupon	Insert, delete	XXXXXX
<ul style="list-style-type: none">• Views/updates orders placed by customers	Projection, update	XXXXXX

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