CPSC 304 Project Cover Page

Milestone #: 3

Date: Oct 24, 2024

Group Number: 58

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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 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.

Project Summary: This is a database application catered to UBC students to help them navigate all the different restaurants available on campus. It will allow users to search for restaurants nearby based on proximity, menu options, food allergens, dietary restrictions, cuisine type, and affordability.

Team Rules:

- Code should be written in a separate branch and merged with the main branch through a pull request.
- We will meet on a weekly basis to discuss project progress and resolve issues.

Timeline & Task Breakdown/Assignment:

Details	Timeline	Assigned To
Collect Data		
● Create guidelines for consistent data entry (formatting, naming conventions) during data collection.	Oct. 25-27	All (working on shared document while collecting data)
● Determine reliable sources for restaurant information (e.g., UBC website, local directories). ● Gather information on 5 restaurants in each of 3 areas on campus: student residential area, common areas (eg. UBC Bus Loop, The Village), and faculty buildings (eg. ICICS, Sauder).	Oct. 25-30	All (Ore: faculty buildings, Helena: common areas, Hedie: student residential areas)
Develop Database (Backend)		
● Design the initial database schema, based on the work in Milestone 1 and 2. ● Define routes to handle data retrieval and manipulation (CRUD).	Oct. 25 - Nov. 6	Ore, Helena
● Populate the schema with restaurant data collected above.	Nov. 6-10	Ore
● Write 10 queries to the database as an SQL script. ● Operations: Insert, Update, Delete, Selection, Projection, Join, Aggregation (Group By), Aggregation (Having), Nested Aggregation (Group By), Division. ● Add more restaurant data if queries do not provide meaningful results.	Nov. 1-13	All (each person writes 4 queries, we keep the 10 with the least overlap)
Develop Application GUI (Frontend)		
● Prototype database GUI: create mockup UI screens for adding and editing restaurant information in the	Nov. 6-10	Hedie

database.		
● Create a skeleton of the website application using HTML.	Nov. 10-17	Helena, Ore
● Add client-side javascript for website interactivity.	Nov. 10-17	
● Add styling of the website application in CSS.	Nov. 17-24	Helena, Hedie
Complete Deliverable: M4		
● Write a description of the project & what it accomplished.	Nov. 17-24	Ore
● Write differences between final vs. initial schema.	Nov. 17-24	Helena
● List SQL queries, where they can be found in the code, and description of each query.	Nov. 17-24	Hedie
Buffer		
Extra buffer time to account for delays, setbacks, resolving issues, and asking questions at office hours.	Nov. 24-29	