University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: 10/25/2024

Group Number: 91

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Jerry Qi	73382533	s6l7k	zqi07@students.cs.ubc.ca
Rapeewit Chanprakaisi	57529208	w2g6k	rchanpra@student.ubc.ca
Eric Xiang	90612029	g9e4y	ericxiang8@hotmail.com

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

University of British Columbia, Vancouver
Department of Computer Science

A brief (~2-3 sentences) summary of your project. Many of your TAs are managing multiple projects so this will help them remember details about your project. You can reuse the summary from milestone 2.
Our project is a PC parts picker that assists users in building a custom PC. The domain of our project is custom PC building/computer hardware management/shopping assistant. The database will provide functionality that allows users to search, filter, and select computer hardware components for custom PC builds based on specific criteria, ensure component compatibility checks, and tracks price history for each product with real-time pricing and availability from various retailers.

Timeline and task breakdown/assignment:

Milestone 4 – Implementation
Total Time Taken: (4-5 weeks)

- GUI (Time Taken: 1-2 Weeks)
  - Done by Eric
    - Creating a simple interface similar to existing PC part buying stores (such as newegg, Canada computers, etc)
    - Includes toggles for filtering pc parts via specific specs
    - A search bar for finding specific pc parts
    - Sliders for price ranges
    - A easy to use and friendly PC building list
    - Ways to comment
    - A simple user login or way to anonymously browse
    - Sanitization
    - Error Handling

- Backend (Time Taken 1-2 Weeks)
  - Done by Jerry and Rapeewit
    - Tables use to represent the users, pc parts, lists, retailers, etc
    - Logic used to deal with user searches, filters, etc
    - Ways to insert data such as a user creating a new list, or making a comment
    - Testing to ensure everything works
    - Documentation
    - Setting up API's that the frontend can call

- SQL scripts (Time Taken: 0.5-1 Weeks)
    - A single SQL script that can be used to create all the tables and data in the database.
        - Jerry
    - 10 SQL Queries
        - Rapeewit

PDF file (Time Taken: ~1 Week)

- Short description
    - Jerry
- Description of how your final schema differed from the schema you turned in
    - Jerry
- List of all SQL queries used to satisfy the rubric items
    - Jerry
- 2 Sentences that describe what the 10 queries do
    - Rapeewit

Milestone 5 – Demo
Total Time Taken: 3-5 Days

Taking 0-1 day to ensure the demo time chosen works with all group members.

Taking 1-2 day to practice and rehearse our demo ensuring everyone understands the presentation and what to do in case of errors.

What each member will do during the actual demo

- Demonstrate that the code used in the demo has not been changed since the milestone 4 deadline
    - Jerry
- Answer if anything listed in their formal specs (list of deliverables) does not work.
    - Jerry
- Re-create and repopulate the tables with their .sql file.
    - Eric
- Start demonstrating their queries in whatever order they choose.
    - Rapeewit
- Answering technical questions
    - Everyone in the group (Taking turns answering, or answering questions based on what part of the project they did specifically)

University of British Columbia, Vancouver
Department of Computer Science

Milestone 6 – Peer and self-evaluation
Total Time Taken: 0-1 Days

Taking 0-1 days to write everything down and hand it in to canvas.

- Each member goes and writes down their evaluations for themselves and other group members. Taking particular care to document any issues with evidence such as screenshots of communications, GitHub commits, etc