University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: October 26th, 2023

Group Number: 134

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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

Summary of Project

The pumpkin patch application is an agricultural management tool to track and manage the necessary aspects of a patch, including pumpkin variety, visitor management, and marketing events. The application can be used by owners, farmers, visitors, government and regulatory bodies, educational institutions, etc. to manage pumpkin patches across the region.

Timeline/Task Breakdown and Assignment

Frontend

Task	Deadline	Assigned to
Learn JavaScript	Nov. 2	All
Brainstorm GUI	Nov. 2	All
Design home page ● Buttons for general info about the pumpkin patch ● Buttons that lead to other pages, such as activities, etc. ● Button	Nov. 17	Benny
Design equipment log page ● General information on maintenance ● Include section for user to update equipment log	Nov. 17	Benny
Design activities page ● Buttons to filter between kids and adult activities ○ Information about activities, duration, fees, etc. ● Include ticketing info ● Include a section for user to log new activity	Nov. 17	Kelly
Design marketing plan page ● Buttons for special events ● Buttons for ticket sales ● Include a section for user to log new event	Nov. 17	Kelly
Design patch map page ● Include map ● Include info on each map region	Nov. 17	Helen
Design pumpkin variety page ● List pumpkin varieties available ● General info regarding harvest ● Include a section for user to log new pumpkin variety	Nov. 17	Helen

Backend/Database

Task	Deadline	Assigned to
Creating tables for data (Oracle)	Nov. 24	Benny
Provide Functionality to allow users to Insert data into tables Part 1: Create the backend server API logic using PHP	Nov. 24	Benny
Provide Functionality to allow users to Insert data into tables Part 2: Table formation and SQL writeup using Oracle / Postgres	Nov. 24	Kelly
Implement delete query	Nov. 27	Helen
Implement update query	Nov. 27	Benny
Implement selection query	Nov. 27	Kelly
Implement projection query	Nov. 27	Helen
Implement join query	Nov. 27	Benny
Implement Aggregation with Group By query	Nov. 27	Kelly
Implement Aggregation with Having query	Nov. 27	Helen
Implement Nested Aggregation with Group By query	Nov. 27	Benny
Implement Division query	Nov. 27	Kelly

Github Repository link:
https://github.students.cs.ubc.ca/CPSC304-2023W-T1/project_a2v5h_e0p8y_y7v1z

Description of challenges/things left to do
A challenge for the group is that some members are not familiar with Javascript. However, we have created a task for all group members to utilize course/external resources to learn. The

timeline above also outlines the tasks that still need to be done. Another challenge will be figuring out how to configure such that the client and backend code talks to each other. Deeper understanding of libraries such as Express is required.