

# CPSC 304 Project Cover Page

Milestone #: 3

Date: 2022-10-29

Group Number: 36

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
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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

**Timeline and task assignment:**

<b>Task</b>	<b>Who</b>	<b>ETA</b>
SQL script for creating tables and data	Shiven	2022-11-04
Function to connect to database	Everyone	2022-11-04
Insert query (backend)	Everyone	2022-11-11
Insert query (frontend)	Everyone	2022-11-11
Delete query (backend)	Dylan	2022-11-18
Delete query (frontend)	Dylan	2022-11-21
Update query (backend)	Licy	2022-11-18
Update query (frontend)	Licy	2022-11-21
Selection query (backend)	Licy	2022-11-18
Selection query (frontend)	Licy	2022-11-21
Projection query (backend)	Shiven	2022-11-18
Projection query (frontend)	Shiven	2022-11-21
Join query (backend)	Shiven	2022-11-18
Join query (frontend)	Shiven	2022-11-21
Aggregation with Group By query (backend)	Licy	2022-11-18
Aggregation with Group By query (frontend)	Licy	2022-11-21
Aggregation with Having query (backend)	Dylan	2022-11-18
Aggregation with Having query (frontend)	Dylan	2022-11-21
Nested aggregation with Group By query (backend)	Shiven	2022-11-18

Nested aggregation with Group By query (frontend)	Shiven	2022-11-21
Division query (backend)	Dylan	2022-11-18
Division query (frontend)	Dylan	2022-11-21
Finalize UI	Everyone	2022-11-25
Project description (+ README)	Everyone	2022-11-25

### Description of challenges/things left to do:

For the backend of the project, we need to add functionality to connect to the database and run queries. We are unfamiliar with PHP or Oracle so this will be a challenge for us. We also need to learn how to create tests in PHP.

For the frontend of the project, we need to create HTML/CSS files to serve as pages. We do not have much experience with HTML or CSS. We need to learn how to create dynamic tables in HTML because the results from a query will be returned to a user as a table.

### UI Design:

We have chosen to design our UI similar to a racing game.

Page 0: Title page

- The title page will be the first page of the application. There will be two buttons to navigate to the main menu or credits page.

Page 1: Main menu

- The main menu will contain a grid of buttons where each button serves as a navigational link to a specific query.

Page 2: Query page

- Each query will have a separate page with text boxes for user input and a button to run the query. The results from the query will be returned as a table.

Page 3: Credits page

- The credits page will feature vertical scrolling text displaying our names.

# Racing Game Database

Start

Credits

# Racing Game Database

Title Screen

Selection

Projection

Join

Update

Insert

Aggregation  
with Group By

Aggregation  
with Having

Nested  
Aggregation  
with Group By

Division

Delete

## <Query Title>

User prompt 0



User prompt N

Text input 0



Text input N



\* Dyanmic table of results


# Credits

Name 0

Name 1

Name 2