CPSC 304 Project Cover Page

Milestone #: 3

Date: 2024-10-23

Group Number: 16

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 email 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

Project Summary

The Database for Mario Kart competitions is designed to collect, organize, and analyze player performance data, offering valuable insights for both casual players and professional eSports competitors. By evaluating factors such as character and kart combinations, track performance, and power-up usage, the system empowers users to refine their strategies, enhance their competitive gameplay, and make informed decisions to optimize their performance in future races.

Timeline + Task Breakdown

Task	Assigned	Deadline
Structure Github	Prajna Rachel Nazia	4th Nov
Create DB	Nazia	4th Nov
Insert Data into DB	Prajna	5th Nov
Implement Insert Queries	Prajna	6th Nov
Implement Update Queries	Rachel	6th Nov
Implement Delete Queries	Nazia	6th Nov
Implement Selection Queries	Prajna	8th Nov
Implement Projection Queries	Rachel	8th Nov
Implement Join Queries	Nazia	8th Nov
Implement Aggregation with GROUP BY Queries	Prajna Nazia	11th Nov
Implement Aggregation with HAVING Queries	Rachel Prajna	11th Nov
Implement Nested Aggregation with GROUP BY Queries	Nazia Rachel	11th Nov
Implement Division Queries	Rachel Prajna	11th Nov
Create GUI Template	Nazia Rachel	12th Nov
Add text and button elements	Prajna Prajna	13th Nov
Linking DB and GUI	Rachel Prajna	14th Nov

Task	Assigned	Deadline
Initial Testing	Prajna Nazia Rachel	18th Nov
Styling	Prajna Nazia Rachel	21st Nov
Final Testing	Rachel Nazia Prajna	24th Nov
Get TA Feedback + last minute updates	Nazia Prajna Rachel	28th Nov

Potential Challenges

- **Writing Aggregation and Division SQL Queries**: Crafting these queries may pose challenges, so we've assigned two team members to focus on this task.
- **Integrating the Database with the Frontend**: Linking the database to the front end could be difficult due to our lack of experience in this area.
- **Managing Changes in Requirements**: Adapting to evolving requirements during the development process presents its own set of challenges.
- **Front-End Design**: Designing the front end may be challenging since we are not fully familiar with JavaScript syntax.
- **Estimating Task Duration**: Accurately estimating the time needed for each task is difficult, especially when we haven't tackled similar tasks before.
- **Handling Merge Conflicts**: We anticipate challenges in dealing with merge conflicts as we collaborate on the project.