

CPSC 304 Project Cover Page

Milestone #: 3

Date: 3 November 2021

Group Number: 26

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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

Milestone 3 - Project Timeline and Task Breakdown

Project Description

This is a system for theatre management that includes the use of an SQL database. The intended use case for this project is for a theatre chain to manage its locations and its movies on the customer side of the business. This project will allow theater owners to keep track of where the theatre is located, which films, film schedules, the auditoriums where the films are playing, the capacity of the auditoriums, customer subscriptions (including theatre SCENE points (or something analogous)) and theatre guest purchases.

Theatre guests and employees will have different access privileges to the database. Guests will be able to buy tickets, buy food, and view movie showings. Using the database employees will be able to create new movie showings, create memberships, view tickets, and view guest information.

Timeline:

- **November 10:** Familiarize yourself with PHP and SQL necessary to complete tasks through class tutorials, online tutorials and other resources.
- **November 10-25:** Complete Milestone 4: Code Base
 - **November 10-15:** Create GUI foundation template using HTML and PHP.
 - **November 10-20:** Complete 2 SQL queries each day.
 - Work on last 4 queries from rubric together
 - **November 20:** Complete the SQL script, project description and README.txt.
 - GUI does not need to be completely cleaned up
 - **November 25:** Ensure GUI is completed and functional alongside SQL database.
- **November 25 - December 3:** Complete Milestone 5
 - Meet with group members to practice giving Demo.
 - read through the project to answer the TA
 - Try to drop, recreate and reload tables before demo
 - Practice Demo-ing each query with the team before the final demo
- **December 3:** Demo
 - Give presentation of Demo
 - Do not take time to set up during Demo
 - Do not Panic

Task Division:

All tasks:

- **Queries**
 - Insert (Sebastian)

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- Delete (Kyle)
 - Update (Lavanya)
 - Selection (Sebastian)
 - Projection (Kyle)
 - Join (Lavanya)
 - Aggregation with Group By (Sebastian)
 - Aggregation with Having (Kyle)
 - Nested Aggregation with Group By (Lavanya)
 - Division (Kyle)
- **Sebastian**
 - Creates database tables in SQL for ER diagram entities alongside HTML and PHP displays of entity and attribute names.
 - Create GUI template and foundation.
 - Implement INSERT, DELETE and UPDATE queries in SQL alongside HTML and PHP GUI elements.
- **Lavanya**
 - Create database tables in a single SQL
 - Implement and create GUI for
 - Update
 - Join
 - Nested Aggregation with Group By
 - Write project description for Milestone 4
- **Kyle**
 - Implement and create GUI for
 - Delete
 - Projection
 - Aggregation with Having
 - Division
 - Create the Milestone 4 PDF
 - *Details in Project description
 - Create Read.me with anything we want to add that's not in PDF