University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: 11th March 2023

Group Number: 76

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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

Summary:

This project is a gym management software that models various aspects of gym operations, such as security, staff coordination, member sessions, equipment management, and session management. The database allows gym staff to view and manage memberships, organize staff shifts, schedule personal training sessions, and book gym areas for fitness classes. The application technology stack is full stack with JDBC with Oracle as the backend, and a JavaScript/React.js framework for the web frontend to display queried information from the database.

Milestone 3 Timeline and Task Breakdown

Timeline:

Meet every Sunday for an hour to discuss progress, roadblocks, and any changes required.

Meet on March 18th to discuss FIGMA design

Timeline: April 5th Deadline For Milestone 4

Done by Sunday March 19th:
Kevin:
- Setup Frontend (Non-fancy) but working GUI
  - Design GUI using FIGMA
  - Decide which queries connect to which parts of the design, ensuring all queries from rubric are included (Specify what information is needed from users in order to query and Figure out connections from layout to database queries)
  - Get started on React frontend start making the GUI

Carter:
- SQL Script to create all tables and data in the database

Kush:
- Setup backend
  - using Java/JDBC/Oracle
  - runs the SQL script to create all the relations as required
  - hosted on the group's project repository

Done by Sunday March 26th:
Kevin:
- Setup web frontend using HTML/CSS/Javascript + React.js running on localhost using design
- Interact with a REST API on backend

Carter:
- Setup web frontend using HTML/CSS/Javascript + React.js running on localhost using design

- Interact with a REST API on backend

Kush:
- Backend has a rest API built using SPRING or SPARK to interact with the frontend on localhost

Done by 2nd April Sunday (this week will be flex time, time for unexpected bugs, problems, etc):

Kevin:
- Help with remaining backend

Kush:
- Help with remaining tasks for frontend
- Ensuring proper backend integration

Carter:
- Help with remaining backend

Tasks Breakdown

- SQL Script to create all tables and data in the database
- Setup backend
  - using Java/JDBC/Oracle
  - runs the SQL script to create all the relations as required
  - hosted on the group's project repository
  - Has a rest API built using SPRING or SPARK to interact with the frontend on localhost
- Setup Frontend (Non-fancy) but working GUI
  - Design GUI using FIGMA
  - Decide which queries connect to which parts of the design, ensuring all queries from rubric are included (Specify what information is needed from users in order to query and Figure out connections from layout to database queries)
  - Setup web frontend using HTML/CSS/Javascript + React.js running on localhost using design
    - Add queries
    - Interact with a REST API on backend