

CPSC 304 Project Cover Page

Milestone #: 3

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Group Number: 83

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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

Project Summary

Our project is an application designed for the Aerospace Industry. Our project aims to help manage the creation of missions to outer space and the organization of human and capital resources.

Timeline

Database setup - Fei Long & Jonathan

Jonathan

- SQL script to create all the tables and data in the database
- Queries: INSERT Operation
- Queries: DELETE Operation
- Queries: UPDATE Operation

Fei

- Configure Oracle Database on department remote server
- Queries: Selection
- Queries: Projection
- Queries: Join
- Queries: Aggregation with Group By
- Queries: Aggregation with Having
- Queries: Nested Aggregation with Group By
- Queries: Division

Backend - Matias

- Create python development environment
- Setup FastAPI app with uvicorn
- Agree on schema for backend endpoint calls - Matias and Jonathan
- Implement GET endpoints
- Implement POST endpoints
- Implement PUTS endpoints

Frontend (GUI) - Jonathan

- Create React boilerplate
- Implement GET endpoint calls
- Implement POST endpoint calls
- Implement PUTS endpoints calls
- Use mock data from mock endpoint calls

- Implement React components associated with main table, using mock
- Connect components to endpoint calls

Challenges

Setting up oracle on the department remote servers for the first time will be a challenge. We need to read the tutorial carefully and learn this process.

This also applies to setting up our backend environment on the department servers, which we have less defined instructions for (the instructions are for node). If it doesn't work out, a local backend is also an alternative choice.

Repository

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_e4u2b_i6z8h_o5f8l