EE/CprE/SE 491 WEEKLY REPORT 07
10/25/2024 – 10/31/2024
Group number: 20

Project title: HADES: Holistic Astronomical Database Exploration System

Client/Advisor: TRAJCEVSKI, GOCE

Team Members/Role:

NAME		ROLE
BYRD, JAMES	–	Database Backend, Cyber Specialist
COLLINS, EAMON	–	Client Contact, Database Backend
NORRIS, ALEK	–	Database Backend, Cyber Specialist
POLSTON, ALEXANDER	–	Database Backend, Cyber Specialist
SNYDER, ANDREW	–	Database Backend, Cyber Specialist
VARNITSKYY, SVYATOSLAV	–	GUI Specialist, Database Backend

o **Weekly Summary:**

This week, we planned our project's detailed design and set up the third part of our design document over the project plan. Additionally, we set up our GitLab repository to begin designing our user interface. As of this point, the repository consists of a React application with a navigation bar for several of our needed features.

o **Past week's accomplishments:**

This week our group made substantial progress in planning for our project. We set up the risks and mitigation, improved our timeline, and defined our task decomposition more clearly. Additionally, we began work on setting up our GitLab repository. This includes an initial React application with some of our basic features outlined in a navigation bar as well as error pages, the router, and an initial query page.

Task Section:
- Group
  - Contribute to the frontend application
- Individual
  - Look through data files to determine the appropriate database tables

o **Individual contributions:**

NAME	Individual Contributions	Hours this week	HOURS cumulative
BYRD, JAMES	Contributed to Lightning talk, Design Document, drafting of report, and researched and practiced React UI development tools. Created diagrams for in class activities.	4	31
COLLINS, EAMON	Contributed to Lightning talk, Design Document,, communicated with client, investigated parsing of CSV data and potential schemas.	5	31
NORRIS, ALEK	Contributed to Lightning talk, Design Document, drafting of report, and created a simple python script that uses ChatGPTS API for a basic call and return.	5	31
POLSTON, ALEXANDER	Contributed to the creation of weekly lightning talk and heavily contributed to part three of the design document.	5	32
SNYDER, ANDREW	Worked to create the lightning talk and design document as well as drafting the report. Additionally, I looked at the repository and considered ways to implement our desired features.	5	35
VARNITSKYY, SVYATOSLAV	Began creating a React project. Implemented router, error page, and initial query page. Contributed to design documents by determining milestones and assessing risks. Updated Gantt chart based on customer feedback.	7	33

Plans for the upcoming week
- Continue the creation of the UI
- Submit updated design document to advisor for review
- Assign teams/groups for future taskings
- Update Ghant Chart with new design
- Add an additional Testing timeline for sprints

Summary of weekly advisor meeting

During our weekly meeting with Dr. Goce Trajcevski, we reviewed the latest version of our design document to resolve any outstanding issues, including refining wording, filling in missing details, and highlighting critical points. We also discussed key elements of the Gantt chart and finalized a plan to divide tasks by forming three teams, each consisting of two members. The workload from upcoming sprints will be evenly distributed among these teams. Additionally, we emphasized the importance of incorporating more rigorous testing procedures and clearly framing the tools we plan to use throughout the project.