EE/CprE/SE 491 WEEKLY REPORT - sdmay25-05

October 10, 2024– October 17, 2024

Group number: 05

Project title: **Media Search Engine**

Client: Henry Bremers (hbremers@gmail.com),

Advisor: Ashfaq Khokhar (ashfaq@iastate.edu)

Team Members/Role:

Nguyen Do — Team organization

Lim Edmund Y — Client Interaction

Niharika Pathuri — Documentation

Varun Reddy Yeduru — Individual component Design

Eshanth Reddy Chinthareddy — Testing

Weekly Summary:

This week, our team is focusing on researching the source code after gaining access to GitHub, specifically looking at the code with Angular 17 for the frontend and C/C++ for the backend. We are also delving into understanding the users for the project as well as their needs, and establishing requirements for the system to meet those needs. Additionally, the team is maintaining communication with the client to provide updates and address any questions.

Past Week Accomplishments:

- Edmund Lim
  - Exploring the Code Base
    - After gaining access to the client's GitHub repository, I've been studying the existing codebase and working to understand the underlying algorithms.

- ○ Research on C/C++

  - ■ While reviewing the code, I've also been conducting research to better understand parts of the C/C++ language that I wasn't initially familiar with, ensuring I can fully grasp the logic in the codebase.

- ○ Lightning Talk Presentation slide

  - ■ This week focused on the user requirements presentation. Although we weren't presenting, I contributed to the preparation of the slides.

- ○ Contributions to the Design Document

- ○ Communication with Advisor and Client

  - ■ I've maintained regular communication with both our advisor and the client, sending meeting reminders and sharing the Google Meet link. Since most of the team couldn't attend the advisor meeting this week, I followed up by sending the advisor the minutes from the client meeting.

- Nguyen
  - Study the source code: After gaining access to the project's GitHub repository, Nguyen spent 2 hours researching the source code to get a general understanding of what previous teams have implemented, with a focus on the front-end sections written in Angular 17.
  - Help team using Monday to develop Gantt chart for Semester 1: Nguyen is using Monday and, based on Task Decomposition diagram and team discussions, has created a Gantt chart to plan the tasks for the team during the first semester.
  - Develop personas for Design Document 1 (Introduction part): Nguyen helped demonstrate personas of a lawyer with specific needs and connected them to system requirements to fulfill those needs. He also described some engineering standards that relate to these needs.
  - Contribute to User Needs and Requirements powerpoint slide: help team finish the slides with more pictures and information.
  - Learn more about Angular 17: Nguyen spent more time studying Angular 17 for upcoming tasks.
  - Keep contact with client: Nguyen spent 1 hour contacting clients to keep them updated with the progress and clarify some problems.

- Niharika
  - ○ **Worked on Media Analyst Requirements:**
  - ○ Focused on gathering and documenting the specific requirements for media analysts. This included researching how media analysts use dashboards to track user engagement and trends over time.

- ○ Created detailed documentation of the backend requirements, such as database structure and support for advanced queries to help media analysts retrieve specific media interaction data.
  - ○ Helped outline the frontend requirements, ensuring that the dashboard will include user-friendly graphs, charts, and options for exporting reports.
  - ○ **Collaboration on Design Document:**
  - ○ Contributed to the Design Document by adding details about the media analyst's user needs and integrating system requirements related to data analysis and visualization.
  - ○ Ensured the documentation followed the proper structure and adhered to relevant software engineering standards.
  - ○ **Preparation of Presentation Slides:**
  - ○ Assisted the team in preparing the presentation slides for our next Lightning Talk, specifically focusing on the media analyst's role and system requirements.
- ● Varun:
  - ○ I helped complete the assignment for Lightning Talk 3: User Needs and Requirements, which involved creating a presentation on user needs and project requirements.
  - ○ I worked on Design Document Part 1: Introduction, where I defined the problem statement.
  - ○ I contributed to completing the Gantt chart assignment.
  - ○ I was also learning Angular to improve my skills during this time.
- ● Eshanth:

  Looked in the code base: I have gained access to the github repository. Understood the relations between components and I started setting up the project on my laptop. Gained how angular is used overall in the project.

  Contributed with Gyant chart and task decomposition diagram.
  Contribute to User Needs and Requirements powerpoint slide: help team finish the slides with more pictures and information.

  Actively participated in meetings with clients and groupMates.

Pending Issues:
- ● Need more looking into github repos to understand our strengths and weaknesses

Individual Contributions:

NAME	Individual Contributions (Quick list of contributions. This should be short.)	Hours this week	HOURS cumulative
Edmund	● Studied codebase, assignments, and meeting	5	17
Nguyen	● Study source code, help the team	6	17

	with design documents, powerpoint, develop Gantt charts for the first semester, study Angular 17, and keep contact with clients.		
Niharika	- Documented system requirements for the media analyst, focusing on data visualization and report generation. - Contributed to the design document and prepared slides for the Lightning Talk. - Collaborated on documentation and design for the media analytics dashboard.	7	17
Varun	Gained deeper insights into the project after attending a client meeting, collaborated on product research, contributed to Lightning Talk 1: Product Research and Empathy Mapping and Personas, and learned Angular and C.	4	16
Eshanth	Done more research on project	4	13

Plans for Upcoming Week:

1. Access VPN to the database using MySQL Workbench