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

Feb 13rd – Feb 27th, 2025

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

Nathan – Backend Design

Weekly Summary:

Over the past two weeks, we have made progress in our development. We have completed the implementation of the "Continue as Guest" button, which directs users to the general public page with limited features, including a restriction of 5 searches. Edmund and Nguyen completed this task. The ads implementation is currently in progress, with Eshanth, Niharika, and Varun working on that aspect.

Past Week Accomplishments:

1. Edmund Lim

- Developed the "Continue as Guest" button, which bypasses the authentication and leads the users to the Search page, limiting users to only five searches.

- It included a guest_searches DB entry, which records the IP address to prevent users from clearing the caches and able to get another five searches.

- Pushed the updates to elim/backend branch.

2. Nguyen
   - Fixed the JWT key error that made team members unable to start the server
   - Limit advanced functionalities for guest users; when they click on these features, a prompt will display the message "Please subscribe for this feature." and block the access.
   - Ensure that subscribed users can access these features normally.
   - Meet with clients to present the work
   - Pushed the updates to nguyenISU2025 branch
3. Niharika
   - Worked on ad-component integration alongside Varun and Eshanth to ensure it aligns with the project's UI/UX.
   - Researched best practices for ad placements to optimize user experience and engagement.
   - Assisted in refining conditional rendering logic to differentiate ad display based on user roles (guest vs. subscriber).
   - Documented the implementation details for future reference and team collaboration.
   - Coordinated with team members to ensure seamless integration of advertisements within the platform.
4. Varun:
   - Had a meeting with the clients.
   - Established a connection between Workbench and the client's server.
   - Collaborated with Eshtanth and Niharika to develop the ad component.
   - Researched multiple approaches to implementing the ad component.
5. Eshanth:
   - Me, Varun Niharika, worked on an Ad-component which is going to be shown to the general public.
   - Made progress on JWT key error that has been taunting us for a while and resolved issues with the server.
   - Came up with impressive layouts we can use for conditional rendering of the UI components based on users role.
6. Nathan:
   - Familiarized myself with the project as I am new to the team

Pending Issues:

Integrate ad display to General/Public page

Individual Contributions:

NAME	Individual Contributions *(Quick list of contributions. This should be short.)*	Hours this week	HOURS cumulative
Edmund	● Worked on "Continue as Guest" button	5	50
Nguyen	● Meeting with clients ● Fix JWT key bugs ● Limit functions to guest	6	51
Niharika	● I worked on implementing ad placement and click tracking to enhance engagement analytics. ● I contributed to UI/UX improvements to ensure seamless and non-intrusive ad integration within the platform.	3	48
Varun	● Met with clients to discuss requirements. ● Collaborated with Eshtanth and Niharika on developing the ad component. ● Researched various implementation methods for the ad component.	2	42
Eshanth	● Me, Varun Niharika, worked on an Ad-component which is going to be shown to the general public. ● Made progress on JWT key error that	2	44

	has been taunting us for a while and resolved issues with the server.		
Nathan	Familiarized myself with the project documentation Set up own connection to project VPN and GitHub	3	5

Plans for Upcoming Week:

Plan to start the implementation of advertisement integration.