

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

**November 14, 2024– November 21, 2024**

**Group number: 05**

**Project title: Media Search Engine**

**Client: Henry Bremers ([hbremers@gmail.com](mailto:hbremers@gmail.com)),**

**Advisor: Ashfaq Khokhar ([ashfaq@iastate.edu](mailto: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:**

Eshanth

This week, the team focused on ethics, prototype development, and backend/frontend tasks. Edmund delivered a Lightning Talk on ethics, specifically user privacy and intellectual property, and worked with Nguyen on backend tasks like user authentication and search query processing. Nguyen also presented the prototype to clients and discussed Communication Honesty in his Lightning Talk. Niharika completed documentation, finalized presentation slides, and took on frontend responsibilities for DigiClips. Varun continued learning frontend development and deepened his understanding of Angular. Eshanth delivered a talk on user privacy, gained insights on data security, and contributed to prototype development. The team made progress on both development and ethical considerations, with ongoing client feedback and task coordination.

**Past Week Accomplishments:**

- Edmund Lim

- Delivered a Lightning Talk this week on ethics, discussing potential issues such as protecting user privacy, ensuring unbiased media search results, and handling intellectual property.
- Along with Nguyen, I will be working on the backend and have been assigned tasks including developing the User Role System for the database, implementing user login authentication, processing search queries, integrating a subscription model, handling data encryption, and logging data for usage analytics.
- Nguyen
  - Modify the prototype for better demonstration.
  - Working with Edmund to set up and assign tasks for backend
  - Present the prototype to clients and receive feedback
  - Present the lightning talk about ethic focus on Communication Honesty
  - Learn more about the backend and connect to MySQL's client database through an open VPN.
  - Keep updated with the advisor about team tasks.
- Niharika
  - Completed documentation for weekly client and team meetings, capturing essential action items and follow-up tasks for each team member.
  - Finalized and reviewed slides for the Prototyping and Ethics and Professional Responsibility presentations, with an emphasis on the project overview and conclusion.
  - Chose to be on frontend for the course DigiClips
  - Coordinated with teammates to ensure consistent and clear documentation for the presentations, aligning content with the project's current development status.
- Varun:
  - Collaborated with teammates on prototype and ethics assignment
  - Reviewed and familiarized myself with the codebase
  - Continued learning frontend development, focusing on the general public feature
  - Deepening my understanding of Angular
- Eshanth:
  - gave a lightning-fast talk about user privacy and ethics.
  - I received various recommendations on how to better secure our users' data and encryption from mentors and fellow students.
  - Some tools and insights that can assist us with tasks have been noted.
  - I have been acquainted with the codebase.
  - developed a prototype and showed it to customers.

***Pending Issues:***

- Eshanth

***Individual Contributions:***

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b> <i>(Quick list of contributions. This should be short.)</i>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Edmund	<ul style="list-style-type: none"><li>Delivered a Lightning Talk on ethics, and task assigned for backend with Nguyen</li></ul>	3	37
Nguyen	<ul style="list-style-type: none"><li>Present the lightning talk about ethics and communication honesty, and have planned detailed tasks for the backend. Implement the partial working prototype; present prototype to clients.</li></ul>	3	39
Niharika	<ul style="list-style-type: none"><li>Documented client and team meetings, ensuring all tasks, decisions, and key updates were accurately recorded.</li><li>Presented the lightning talk about ethics and communication honesty, and have planned detailed tasks for the backend.</li></ul>	4	38
Varun	<ul style="list-style-type: none"><li>I worked with my teammates to finish the lightning talk about communication and ethics. presented both in a presentation and to our clients as prototypes. have a far deeper comprehension of how to begin our activities.</li></ul>	4	36
Eshanth	<ul style="list-style-type: none"><li>I collaborated with my teammates to complete the lightning talk on ethics and communication. presented prototypes to our clients and also in presentation. Gained a much more deeper understanding on how to get started on out tasks.</li></ul>	6	38

***Plans for Upcoming Week:***

Eshanth

Getting started on actual implementation of the prototypes we made, and also incorporating the design insights and ethical considerations we were advised into our project plan. Modifying our plan according to the modern recommendations.