EE/CprE/SE 491 WEEKLY REPORT 06
March 4, 2024 – March 19, 2024
Group number: 03
Project title: DigiClips Senior Project
Client &/Advisor:
DigiClips - Client
Dr. Ashfaq Khokhar - Faculty Advisor

Team Members/Role:
Israel Sanchez Tellez - Client Interaction Lead
Derek Brandt - Architecture Lead
Tyler Orman - Security Lead
Aryan Rao - Programming Lead

Weekly Summary

This week, the team finished up research on the current implementation of the administrative portal, developing documentation to help us better understand the architecture, implementation, and UI component locations. Our team also focused on setting up the cloud environment to begin test development. This key initiative is important for analyzing the feasibility of any future UI design documents.

Past Week Accomplishments
- Finished developing a relationship model for code of the frontend UI - Derek
  - The model takes images captured from the frontend and shows where the code that displays it is.
  - The model maps the relationship between classes.
- Merged team's initial changes to the branch dedicated to ISU in Digiclips' repository - Israel
- Began brainstorming ideas for the login/home page of the administration page.
- Finished looking through the existing database tables and got an idea of what information we have to work with.
- This week, I focused on designing the database schema for storing information from various media sources, such as podcasts, news channels, and radio. I also started working on the implementation of the backend API endpoints for recording and retrieving this information. Additionally, I researched and selected the technologies and frameworks that will be used for the frontend development, ensuring they align with the project requirements and standards. - Aryan

Pending Issues
- Determine how the administration page will interact with the database to determine what security implications it could have.
- Decide which elements will be shown on the homepage and what will be on a dedicated page.

Individual Contributions

Name	Individual Contribution	HR this week	Cumulative Hours
Israel Sanchez	Completed Angular Tutorial Series. Responded to code review comments. Merged changes to team's branch.	4	16
Derek Brandt	Finished analyzing the frontend code and creating the relationship map. Started working through Angular tutorials to understand its potential for UI construction.	4	16
Tyler Orman	Finshed looking through the database and existing code. Began brainstorming design ideas for the login/home page. Researched Angular frontend pages to better understand the capabilities.	4	16
Aryan Rao	Worked on designing the database and starting the backend API implementation for Digiclips. Selected frameworks for frontend development and ensured they align with project requirements.	8	19

Plans for Upcoming Week

Action Item	Assigned To	Complete By
Analyze current UI and identify "important" UI components that should belong on the home page. During the next client meeting, get client feedback on the UI components chosen.	Derek	3/26
Produce a Figma for initial version of the login component.	Israel	3/26
Continue brainstorming design ideas and look at database interactions for security implications.	Tyler	3/26
Start implementing the new UI for the frontend after discussion with the team.	Aryan	3/26

Weekly Advisor Meeting

The weekly advisor meeting was not held. There were no pending issues that required a meeting with the advisor.