

## EE/CprE/SE 491 WEEKLY REPORT 05

February 27, 2024 – March 05, 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

Last week, our team spent most of our time analyzing the backend code used in the administrative portal. This week, we have pivoted to the front end and database research. The frontend code, beginning to be much more complex, has required more time to analyze properly. It also contains Angular, which was one of our unknowns. Our team also began the process of analyzing *DigiClips'* immense database.

### Past Week Accomplishments

Begun to analyze the frontend and develop a visual representation of the frontend code - Derek

- Identified 50% of the components in the code and where they visually show up on the front end.
- Started developing an understanding of Angular and its use in the project.

Analyzing the database for understanding and to inform the team of its usefulness. - Tyler

- Understood what information is being stored and which tables will be useful to the admin page.

Researched how to set up debugging for the frontend code of the Administration Portal. - Israel

- Created the Team's branch in GitHub and produced a pull request to merge the changes. Assigned team members as reviewers.

Delved into Angular 16 as part of our project's update from version 15 Aryan

- Researched the new features and improvements, assessing how they align with our project requirements.
- Began drafting a plan for the migration process, considering factors such as compatibility, testing, and deployment strategies.

### Pending Issues

Complete the frontend code visual map and complete Angular research on its implementation.

- It will help the team develop an architecture that can be efficiently ported over from the current architecture.
- Team Angular documentation will improve the ability of the team to develop.

### Individual Contributions

Name	Individual Contribution	HR this week	Cumulative Hours
Israel Sanchez	Created the team's GitHub branch. Created a pull request that lets the team debug frontend code in VSCode. Started an Angular Tutorial series.	4	12
Derek Brandt	Analyzed the frontend administrative code and began to develop a visual map and an understanding of Angular.	4	12
Tyler Orman	I began looking into the database and frontend code to understand better what we are working with. Began to think about how to lay out the information.	4	12
Aryan Rao	Inspected the complete source code for the project and made a rough visual of the same. Started looking into version 16 of Angular and how to update from older one.	5	11

### Plans for Upcoming Week

Action Item	Assigned To	Complete By
Finish the visual map showcasing the frontend functionality.	Derek Brandt	03/19
Complete Angular Tutorial series. Research if possible to debug backend from VSCode	Israel	03/19
Continue looking into the database and frontend code. Come up with some ideas for the layout of information.	Tyler	03/19
Keep learning about version updates and talk to the client to fix the access to the admin repository.	Aryan	03/19

### Weekly Advisor Meeting

There was no need for the advisor meeting this week as this week was a research week, thus the meeting was postponed.