

EE/CprE/SE 491 WEEKLY REPORT 04
February 20, 2024 – February 27, 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

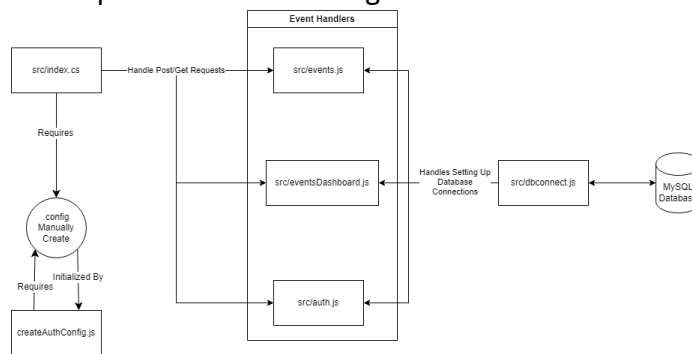
Aryan Rao - Programming Lead

Weekly Summary

During the past week, our team mainly focused on getting the client's system to run as a whole on our machines. This is a key objective needed for analytical and development work. We got the system running; this included a database in MySQL, a backend using NodeJS, and a frontend using angular. This allowed us to begin mapping this system structure and architecture, another key objective.

Past Week Accomplishments -

- Team members successfully built and ran the Administration project locally. - Team
- Brainstormed potential implementations to contribute to the Administration project. - Team
- Discussed with the faculty advisor the ideas the team devised for the Administration project. - Derek/Tyler
- Developed a diagram mapping the backend architecture. - Derek
 - Identify some points of confusion/points that could use refactoring.
 - Developed an understanding of the backend code.



Roles of Events.js
Most of the event handlers handle error specific events.
Handles ping/pong devices using OS ping commands
Questions:
Why are ping and /getconfig post requests

Roles of eventsDashboard.js
Queries the database using procedures stored in the database. These are mainly the ones we want to render stats for.

Roles of auth.js
Handles the user login and database account management.
Arguably, these should be broken into two separate classes.

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Pending Issues

- Continuous collaboration with the Albany team.
 - Communication with the Albany team is crucial since we must know which components must be worked on.
- Start creating rough drafts for UI implementations.
- The front end needs to be mapped to help the group understand the code and architecture.
 - This will help the team analyze the front-end code and better prepare for refactoring.
- Analyze the database to identify the structure of the data.
 - Identify what information is already being used by the admin portal
- Research main differences between Angular 16 and Angular 15/14

Individual Contributions

Name	Individual Contribution	HR this week	Cumulative Hours
Israel Sanchez	Troubleshooting application with Henry Bremers	2	8
Derek Brandt	Started developing a map of the backend architecture <ul style="list-style-type: none">● Created a diagram to showcase the design of the backend.	2	8
Tyler Orman	Looked through the database to see what data we are working with. Also looked through the code base to learn how it works.	2	8
Aryan Rao	Went through Angular and started making notes about version 16 as that is required for the project.	2	6

Plans for Upcoming Week

Action Item	Assigned To	Complete By
Generate a mapping of the frontend architecture. <ul style="list-style-type: none">● Include images of the UI to identify better where UI components belong.	Derek Brandt	03/04
Learning session by watching an instructional video on Angular.	Israel	03/04
Learn more about Angular and how the internal infra works so we can test it more easily.	Tyler	03/04
Have the admin locally on my computer and play around with the frontend to better understand overall architecture.	Aryan	03/04

Summary of Weekly Advisor Meeting

After meeting with the client during the week, we got a more comprehensive idea of what we would be working on. We took this information and updated our advisor to ensure the senior design project's deliverables would be met.