

## SE 492 Bi-WEEKLY REPORT - Sdmay23-03

*5th March 2023 – 24th March 2023*

**Project title: DigiClips Search Engine Application**

**Client: DigiClips**

**Advisor: Ashfaq Khokhar**

**Team Members/Role:**

*Aashish Komaragiri - Database analysis*

*Elijah Shelby - Database analysis*

*Grace Rasmussen - Search engine application*

*Khushveen Kaur Umra - Search engine application*

*Matthew Karmelich - Email automation*

### Weekly Summary

For the past few weeks, our group held weekly meetings with our client, to talk about our progress, and to continue to advance our project. Our weekly meetings consisted of updating the client on our progress and updating each of our team what we have accomplished over the past few weeks. The past two weeks were really productive for us, as we were finally able to achieve some mock-up versions on how we want their frontend application to look like, and were able to identify the important tables from their databases. The meetings were also a great chance for us to clarify our doubts with the clients, and make sure that they are happy with our progress. For the past two weeks, our team has spent more time analyzing their code, and understanding the logistics for their search engine application. We were also able to get our drafts approved by the clients that showcased the new look of their frontend application.

### Past week accomplishments

- **Aashish Komaragiri & Elijah Shelby(Database Analysis):**
  - Clarified doubts about sql database understandings (there was no documentation)
  - Started initial implementation on creating stored procedures from the database to gather data needed for graphical representation of data
  - Started figuring out adjustments to the interval of when alerts go off for email alerts
  - Started looking at frontend GitHub to understand how graphs are generated from DigiClips
- **Khushveen Kaur Umra & Grace Rasmussen (Search Engine Application):**
  - Created a rough draft for the options page and automated email alert page
  - Created a list of all the current errors seen on their frontend search engine, to ensure what features need more attention and work
  - Discussed with the clients with what features they want on the search engine to make it more user friendly
  - Met with the client to discuss the current errors present
  - Clarified doubts with another team working on the search engine to ensure similar

- work isn't being done, that might disrupt the code structure
- Created a list for necessary changes required to the options page to make it more user-friendly
- Completed analyzing the code base for their search engine application
- **Matthew Karmelich (Email Automation):**
  - Finished testing existing email infrastructure.
  - Removed deprecated code.
  - Began networking with Colorado State University to assist the frontend team
  - Lead client meetings and assigned tasks
  - Gained access to AWS account
  - Began understanding DigiClips AWS infrastructure.
  - Removed deprecated code

### **Pending issues**

- **Khushveen Kaur Umra & Grace Rasmussen:** Based on our testing of their application, it was disclosed that there are currently many errors in place, which need to be changed first to allow us to progress further. We need to start implementing the mock-up version created for their search engine application. We also need to make sure that their entire code base is updated to Angular 14.
- **Aashish and Elijah:** We need to figure out how we can push the data we are getting from the database to generate graphs. We see in the front end repo that other teams have made graphs before, now it's a matter of using that information to actually create our own graphs
- **Matt Karmelich:** The code base still has a lot of depreciated code on it and the AWS server is currently inconsistent.
- **Entire team:** We managed to clear up several of our previous issues but some of our questions couldn't be answered by our Client. There are several parts of DigiClips code that appears to be unused or understood not by our Client but by different groups

### **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Aashish	Started creating stored procedures for data retrieval, and understood how graphs are being generated based on previous work of other teams on DigiClips	6	30
Elijah	Helped with assisting on stored procedures, and helped figure out graphs needed for clients need	5	28

Grace	Created a mock up version of the email options web page. Continued researching and updating the Angular version currently used in the project. Communicate with the Colorado team to understand their progress and how they first approached the code base.	6	42
Khushveen	Created a duplicate version of their base code to start making changes to their options page. Researched ideas on how their options page and the help page could be more user-friendly, along with creating different versions of the page	8	24
Matthew	Lead client meetings and assigned team tasks. Communicated with other universities working on the project. Increased test coverage of server applications. Removed deprecated code. Gained access to AWS account.	6	18

### **Plans for the upcoming week**

- Khushveen & Grace:
  - Continue updating Angular to the newest version.
  - Starting implementation of the search engine application along with the options page and the email alerts page
  - Meet with other DigiClips teams to discuss the features and the implementations of the search engine application
  - Finish testing all the features of the search engine application, to ensure that email alerts are accurate
  - Start fixing the errors currently seen on the application
  - Meet with the team from Colorado to discuss the functionality of the details and the options page
- Aashish and Elijah:
  - Meet with other DigiClips teams to discuss how the graphs are created
  - Start building test graphs to actually see if we are getting appropriate results
  - If this is a success, then use the data we retrieved, and feed them to generate good graphs
- Matthew:
  - Implement AWS email client into DigiClips Code
  - Fix existing AWS environments