

SE 492 Bi-WEEKLY REPORT - Sdmay23-03

25th March 2023 – 7th April 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. All the meetings held in the past two weeks with the clients have been extremely productive, as we have been able to see significant progress for our project.

Past week accomplishments

- **Aashish Komaragiri & Elijah Shelby(Database Analysis):**
 - Created new branch and began creating code that will eventually make graphs (Bar, line, charts, etc) using data gathered from the client
 - Successfully created and tested several different graphs using predetermined data on our local machines
 - Successfully implemented and ran what was created locally into the branch allowing us to launch the application using the client's server
 - Attempted to connect to database so that we can create graphs based on the data in the tables as opposed to using predetermined data
- **Khushveen Kaur Umra & Grace Rasmussen (Search Engine Application):**
 - Met with the client to discuss the options page and automated email alert page mock ups and any changes they may like to see made
 - Worked on fixing errors that have been seen on the frontend search engine and continue to document them
 - Worked on updating the version of Angular throughout the code base
 - Worked on implementing the smaller features of the front-end application, to ensure no errors come up
 - Started testing some aspects of the front-end application, to make sure no errors are left out and everything is working as expected
- **Matthew Karmelich (Email Automation):**
 - Set up emails to include html and xlsx files.

- Networked with University of Colorado students to further understanding of the frontend
- Lead client meetings and assigned tasks
- Updated DigiClips AWS permission standards.
- Increased test coverage for frontend code

Pending issues

- **Khushveen Kaur Umra & Grace Rasmussen:** It has been a little difficult to work on their code base and make changes, while ensuring that no new errors pop up. The systems still need to be fully updated, and the majority of the new features on the search engine need to be implemented and tested.
- **Aashish and Elijah:** We have been struggling to connect to the MySQL database while using the new code and run the application on the client side after connecting
- **Matt Karmelich:** As we're working on different branches, work may be halted on email updates until Aashish and Elijah's work is pushed into master.
- **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

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Aashish	Created code that would create graphs and connect to databases.	8	48
Elijah	Assisted in creating code that creates graphs and connects to the database	6	46
Grace	Continued updating the Angular version currently used in the project. Communicate with the Colorado team to make sure our Options page will run smoothly in conjunction with their Details page. Continue making necessary changes to the original code base when errors are found.	6	54
Khushveen	Continued implementing small features of the search engine application, while getting rid of the errors. Started testing the code and made sure that everyone is working and on the updated version.	6	45

Matthew	Lead client meetings and assigned team tasks. Communicated with other universities working on the project. Increased test coverage of front-end applications. Removed deprecated code. Updated emails to take custom html and xlsx files.	10	43
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Plans for the upcoming week

- Khushveen & Grace:
 - Continue updating Angular to the newest version.
 - Continue 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
 - Successfully implement all the features created on the mock-up version of the search engine application.
 - Finish writing the code for the application, and make sure everything is running smoothly
- Aashish and Elijah:
 - Successfully connect to the MySQL database and run the application on the client side
 - Successfully create a graph based on the data gathered from the database
 - Begin designing graphs that a client of DigiClips would actually request
 - Show our clients our progress and determine what should be done next
- Matthew:
 - Add graphs created by Elijah and Aashish into emails
 - Join the frontend team and work with Khushveen and Grace
 - Continue increasing test coverage for the entire application