

SE 492 Bi-WEEKLY REPORT - Sdmay23-03

17th January 2023 – 18th February 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 and our advisor, to talk about our progress, and to discuss the logistics of our project. For the past 2 weeks, our weekly meetings consisted of getting everyone in our team access to our clients remote machine, their code base, and finalize the details of the softwares and the languages we will be using for our project. The overall goal was to make sure that everyone in the group is made aware of their responsibilities, and making sure that everyone has an equal amount of work for the project. Based on our final presentation last semester, we did make some changes to our project, such as narrowing down the objectives of our project, such as the layout of the automation email reports, the options/help page, and creating graphical representations. Until now, our group has been working on creating a mock-up version of their main search engine application, to be able to run queries, and understand the logistics of how the automated email reports should work.

Past week accomplishments

- **Aashish Komaragiri & Elijah Shelby(Database Analysis):**
 - In depth analysis and research of the client's database. This includes viewing the created tables and what kind of information is stored in those tables. How the tables relate to each other and how certain information is shared between tables.
 - Analyzed stored procedures to determine what information is returned. Viewed the mysql database version of functions and what they do in order to create our own procedures to get the information we will need later on. Stored procedures help filter information so we can get all the specific information we want in one location
 - Created pseudocode for a stored procedure to obtain the information we need for the reports we plan to create
- **Khushveen Kaur Umra & Grace Rasmussen (Search Engine Application):**
 - Started downloading all the required softwares and the base code for the project
 - Started creating a mock-up version similar to the search engine application
 - Analyzed the base code, to get a better understanding of how their system works

- Analyzed the queries currently present on the client's website
- Got access to their VPN and remote machine to run their website
- **Matthew Karmelich (Email Automation):**
 - Assigned tasks to team members
 - Lead client meetings to get the team essential information
 - Set up local, smaller version of the client's existing email automation code
 - Began creating tests for existing client email automation code

Pending issues

- **Khushveen Kaur Umra & Grace Rasmussen:** Worked on creating a mock-up version similar to the search engine application, but it has been taking up a lot of time, because we have never worked with Angular before. Hence, it has been consuming a lot of time to understand the logistics, and download all the required softwares to successfully run the application. Also, since their VPN wasn't working earlier, it was not possible to get access to their remote machine until this past week, which finally allowed us to get a proper insight into their application.
- **Aashish and Elijah:** The database was clear in some areas however since there is a lack of instructions or documentation, some tables and information is unclear on why it exists and what its purpose is.
- **Matt Karmelich:** While the email functionality can be tested locally, access to the client's AWS account is needed to send the actual emails.
- **Entire team:** Due to the lack of documentation in the code and databases, it has been difficult to go through the information given. We have to spend a lot of time just figuring out how certain parts communicate with each other and what the parts do at times.

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Aashish	Database and stored procedure analysis, procedure pseudocode	6	18
Elijah	Database and stored procedure analysis, procedure pseudocode	6	18
Grace	Created a working environment for the search engine application, while understanding their base code	6	18
Khushveen	Started creating a mock-up version of their main frontend application, and started understanding Angular	6	18
Matthew	Lead client meetings and assigned team	6	18

	tasks, began fixing email automation		
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- **Plans for the upcoming week**

- Khushveen & Grace:
 - Work on updating Angular to it's newest version
 - Work on finishing up the mock-up version of the search engine application, in order to successfully run the queries required for the email reports
 - Work on analyzing the options page and the help page, to better understand how it can be more user-friendly
 - Start working on the coding aspect of our project, and successfully merge our code to the main branch
- Aashish and Elijah:
 - Clear up any confusion on the database by having a separate meeting with the client to discuss the database. This meeting will be different from the normal weekly meeting
 - Take our pseudocode of stored procedures and create a finished code that has been tested and is ready to use in other parts of this project
- Matthew:
 - Finish setting up emails to send automatically at user inputted frequency
 - Gain access to client AWS account
 - Assist Grace and Kushveen on the frontend application.