

TITLE: SOFTWARE ENGINEERING TEAM REPORT WEEK 6

TEAM: Mark, Michael , Andy

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Introduction

Our goals for this week mainly included to handle file upload to specific file and to prepare a database for handling all the uploaded data (this was mainly archived by migrating to a different database). We also set aside time for project planning and tracking by creating a click up dashboard to help check on the project progress. Invites were shared out to all relevant individuals.

The tasks were split among the above mentioned team members focusing on each one's proficiency.

A. Data Migration (Mark)

We opted to move from Sqlite to a postgresql database management system in preparation for the full system deployment. This is because we anticipate a lot of data and file to be running in the system and after research and deliberation we found that the previous database system used during presentation (SQLITE3) might not be suitable for our desired outcome. Postgresql is better suited for this so we had to make all relevant data configuration and migrations to the new management system

B. Dynamic Site Generation (Michael)

Previously all the projects displayed in the system were manually hard coded and static not providing good structure for scaling. We created a simple pop up for to allow system administrative users to create new projects updating both the database and the user interface.

C. Site Document Upload (Michael and Mark)

We held several code sessions to be able to come up with a suitable method of approach to storage of the site documents. This led us to modification of the site upload function and database as well as the logic of approach. We opted to add classifications

for the file type being uploaded (i.e file can be a report, invoice , image etc) to allow for better display and tracking of all records. We also added a relationship between the document uploaded and the user who uploaded it for accountability.

D. Site Document Display (Michael and Mark)

We also made a decision to change the display format of the file to be able to accommodate the changes made in the site upload function. This will include a classified view of the documents based on their file type . This is to provide for a simpler file access and tracking system

E. Deployment Preparation (Andy)

We are starting preparation for how to handle the system deployment process and this mainly fell to Andy. He was tasked with research on docker systems , available technologies and techniques for a seamless transition from development to deployment. This is a never ending process as we plan to ship modules before and way after deployment so we have to ensure a Continued integration and Continued Development pipeline.

F. Project Planning and tracking (Michael , Mark & Andy)

We came up with a dashboard on clickup (link was shared on relevant communication channels) . This will be a platform for all of us to be able to monitor the progress done and also plan for future tasks. It gives a good timeline of tasks accomplished / not accomplished and the timelines for this.

Challenges

1. Despite several attempts by team members to ask for access to company servers, this request has not been fulfilled . We made communications with the server provider and they promised to provide credentials which have not yet made there way to any of the developers. This is interfering with the planning process as we don't know what specification the server has and what approach to use in deployment

Conclusion

The team is generally happy with the direction of the project and we are confident we will be able to achieve our planned objectives. We will have the click up dashboard updated to reflect tasks we will be taking on for next week. This report marks the end of week 6 of the project.

