

sddec20-29: Microbiology Lab Information Management and Visualization System

Week 5 Report

March 29 - April 12

Team MembersBrittany McPeek — *Report/Documentation Manager*Benjamin Vogel — *Team Manager*Rob Reinhard — *Meeting facilitator*Kyle Gansen — *Meeting Scribe*Ben Alexander — *Progress Manager*Samuel Jungman — *Chief Engineer***Summary of Progress this Report**

Held a virtual meeting with the Technical Adviser to discuss our progress on the project. Completed a lightning talk that details a technical challenge that we have faced while working on our project, and how we plan to overcome the challenge. Completed sections 3 and 4 in the Design Document. Came up with a Contingency Plan in response to the COVID-19 situation.

Pending Issues

None other than the lack of ability to meet face-to-face in light of COVID-19

Plans for Upcoming Reporting Period

Complete and finalize the Design Document. Complete a proof-of-concept application for our Client. Prepare for the presentation at the end of the semester.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Brittany McPeek	Worked on the Ramifications section of the Technical Challenge lightning talk. Helped come up with a Contingency Plan in response to the COVID-19 situation. Researched how to create an executable from a Python script. Completed sections 4.4 and 4.5 for the Design Document. Virtually met with the technical advisor and rest of the team to give updates on the progress of the project.	6	0
Benjamin Vogel	Worked on the final solution section of the Technical Challenge lightning talk. Worked on the COVID-19 contingency plan. Did sections 3.1-3.4 for the Design Document. Worked on an initial pass for CSV importing in Python, began work on Excel files. Virtually met with	6	0

	team and advisor to provide updates and work on changes throughout the project.		
Rob Reinhard	Worked on the feasibility of solutions sections of the Technical Challenge lightning talk. Worked on the COVID-19 contingency plan. Worked on sections 3.5 and 3.6 of the Design Document. Virtually met with team and advisor, brought up a discussion on the platform to implement GUI. After discussion, set up "Hello World" interfaces in PyQt and TKinter.	6	
Kyle Gansen	Worked on section 4.1 of the design document and technical problem description slide of lightning talk. Worked on the COVID-19 contingency plan. Met with team and advisor, and created a basic graph using the python library "plotly."	6	0
Ben Alexander	Completed section 4.3 of the design document on personnel effort requirements. Discussed possible solutions to our technical problem on the lightning talk. Contributed to the contingency plan by addressing the issue of not being able to meet in person. I also started to experiment with making graphs with Plotly in Python.	6	
Samuel Jungman	Completed sections 3.7 and 4.2 of the design documents on feasibility, expected outcomes, and result validation. Ironed out preliminary information for our technical problem in our lightning talk. Discussed with team implications and takeaways of creating contingency plans for emergency conditions. Lastly continued research and preliminary planning for UI design and library choices.	6	0

Gitlab Activity Summary

Nothing to report.

