Weekly Team Task Report

#19

Team: PathLab	**Date:03/27/2019**
Project Title: Graphical User Interface for massively multiplexed pathogen detection	

	**Turan** Present On-time		**Alex** Present On-time		**Chance** Present On-time		**Austin** Present On-time

Recent Meetings:

Upcoming Meetings:

TASKS COMPLETED since last meeting:

Task Title: Full Prototype Milestone	**Task Initiation:** 2/25	**Orig. Due Date:** 3/15	**Status:** Complete
Who (%): Everyone			
Description: The team must demonstrate implementation of all core functions of the product as a coherent solution satisfying all core use cases.			
Expected Outcome: Scheduled meeting with mentor showcasing the prototype and the main features of the program			

Task Title: Module 1 Visualization (Box plot Summarization)	**Task Initiation:** 2/25	**Orig. Due Date:** 3/15	**Status:** Complete
Who (%): Turan			
Description: Summarize sequence information based on parameters like GC and TM.			
Expected Outcome: Interactive and informational visualization which allows the user to understand the sequences so they can remove or modify parameters in module 1.			

Task Title: Improve CSS for Module 1	**Task Initiation:** 2/25	**Orig. Due Date:** 3/15	**Status:** Complete
Who (%): Austin			
Description: Add visual feedback on removing file paths			
Expected Outcome: Easier recognition of the “click to remove” function			

This week's Tasks: Work plan for coming week

Task Title: Final Results Summary Visualization	**Task Initiation:** 3/20	**Orig. Due Date:** 4/3	**Status:** In Progress
Who (%): Turan			
Description: Provide a summary table of features for each selected primer. Provide the primers in fasta format that can be copied or saved locally. Ideally provide some additional graphics 1. For each target sequence, illustrate the location of the primers and the target sequences and provide the expected size and sequence of the amplicon, allow the amplicon sequences to be saved to a file. 2. Provide average, min, and max melting temperature for the primers and offer suggested annealing temperature for PCR. 3. Show alignments of top X number of strong hybridizations. 4. Color code extreme values in summary table.			
Expected Outcome:			

Task Title: Module 1 Refinement	**Task Initiation:** 3/20	**Orig. Due Date:** 4/3 - 4/10	**Status:** In Progress
Who (%): Chance			
Description: Start the refinement process by fixing bugs, visual issues and any functional problems in the software.			
Expected Outcome: No visual glitches and simple bugs should be present in module 1.			

Task Title: Module 2 Refinement	**Task Initiation:** 3/20	**Orig. Due Date:** 4/3 - 4/10	**Status:** In Progress
Who (%): Turan			
Description: Start the refinement process by fixing bugs, visual issues and any functional problems in the software.			
Expected Outcome: No visual glitches and simple bugs should be present in module 2.			

Task Title: Module 3 Refinement	**Task Initiation:** 3/20	**Orig. Due Date:** 4/3	**Status:** In Progress
Who (%): Austin & Alex			
Description: Start the refinement process by fixing bugs, visual issues and any functional problems in the software.			
Expected Outcome: No visual glitches and simple bugs should be present in module 3.			

Task Title: Software Test Plan	**Task Initiation:** 3/26	**Orig. Due Date:** 4/5	**Status:** In Progress
Who (%): Everyone			
Description: A test plan outlines activities that are aimed at ensuring that our project's implementation exhibits the necessary functional and non-functional characteristics. In this document, we are asked to describe how we intend to ensure that the expectations presented in the requirements and design specification documents are met, via a well-planned software testing regime.			
Expected Outcome: Delivered to mentor at the next meeting			