

## Weekly Team Task Report

#20

Team: PathLab				Date:04/03/2019			
Project Title: Graphical User Interface for massively multiplexed pathogen detection							
	Turan <u>Present</u> <u>On-time</u>		Alex <u>Present</u> <u>On-time</u>		Chance <u>Present</u> <u>On-time</u>		Austin <u>Present</u> <u>On-time</u>

### Recent Meetings:

Client Meeting: Friday 03/29

### Upcoming Meetings:

Client Meeting: Friday 04/05

### TASKS COMPLETED since last meeting:

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

<b>Task Title:</b> Create event listeners for module 1 viz	<b>Task Initiation:</b> 3/29	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> Complete
<b>Who (%):</b> Turan			
<b>Description:</b> Create event listeners that will record users click on label ticks and store these labels (sequence ids) in an array			
<b>Expected Outcome:</b> Store the recorded values in array and display them in a box with number of times clicked			

<b>Task Title:</b> Create data structure for module 2 viz	<b>Task Initiation:</b> 3/29	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> Complete - 90%
<b>Who (%):</b> Turan			
<b>Description:</b> Create function to retrieve primer score values from each json file. This should also include transforming the data to be compatible with the plotly visualizer mechanism.			

<b>Task Title:</b> Complete Front End design for Primacy	<b>Task Initiation:</b> 3/29	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> Complete - 90%
<b>Who (%):</b> Austin			

<b>Description:</b> Finish up basic aesthetics, add visuals to slides, improve UX for all modules
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## This week's Tasks: Work plan for coming week

<b>Task Title:</b> Module 1 Visualization (Box plot Summarization)	<b>Task Initiation:</b> 3/25	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> In Progress (85%)
<b>Who (%):</b> Turan			
<b>Description:</b> Summarize sequence information based on parameters like GC and TM.			
<b>Expected Outcome:</b> Interactive and informational visualization which allows the user to understand the sequences so they can remove or modify parameters in module 1. This should also allow			

<b>Task Title:</b> Final Results Summary Visualization	<b>Task Initiation:</b> 3/20	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> In Progress
<b>Who (%):</b> Turan			
<b>Description:</b> 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.			

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

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

<b>Task Title:</b> Module 3 Refinement	<b>Task Initiation:</b> 3/20	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> In Progress
<b>Who (%):</b> Austin & Alex			
<b>Description:</b> Start the refinement process by fixing bugs, visual issues and any functional problems in the software.			
<b>Expected Outcome:</b> No visual glitches and simple bugs should be present in module 3.			

<b>Task Title:</b> Software Test Plan	<b>Task Initiation:</b> 3/26	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> 35%
<b>Who (%):</b> Everyone			
<b>Description:</b> 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.			
<b>Expected Outcome:</b> Delivered to mentor at the next meeting/end of the week			

<b>Task Title:</b> Software Test Plan: Integration Testing	<b>Task Initiation:</b> 3/26	<b>Orig. Due Date:</b> 4/5	<b>Status:</b> In Progress (75%)
<b>Who (%):</b> Chance			
<b>Description:</b> Write an overview of the plan to create an integration testing suite for the final product, justifying and identifying all module relationships.			
<b>Expected Outcome:</b> Delivered to mentor at the next meeting/end of the week			