Weekly Team Task Report

#14

Team: PathLab	**Date:02/06/2019**
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:

Client Meeting (Friday 2/1)
Team Meeting (Thursday 1/24)

Upcoming Meetings:

Team Meeting(Thursday 2/7)
Client Meeting(Friday 2/8)

TASKS COMPLETED since last meeting:

Task Title: Module 1 Core Development - Input Validation Planning	**Task Initiation:** 1/23	**Orig. Due Date:** 1/30	**Status:** Complete
Who (%): Turan			
Description: Assign tasks to team members to complete the development of module 1 and work on input validation.			
Expected Outcome: Assigned tasks due by 2/1.			

Task Title: Plan for Dynamic Module Generation	**Task Initiation:** 1/23	**Orig. Due Date:** 2/1	**Status:** Complete
Who (%): Turan (25%) Austin (25%) Chance (50%)			
Description: Design a system for automatically and dynamically generating module front ends, that will hold up to the team standards for UX quality.			
Expected Outcome: One of two outcomes: 1. A detailed document, describing the exact process for programmatically. Likely a system based off of json configs and the EJS templating engine for HTML generation. 2. A decision to go ahead and manually design each module.			

Task Title: Software Design Doc	**Task Initiation:** 1/23	**Orig. Due Date:** 2/11 Draft Due (2/6)	**Status:** Complete
Who (%): Austin: 100%			
Description: As per client request, perform a simple UX quality sweep of all module prototypes. Primarily dealing with CSS styling and HTML restructuring.			
Expected Outcome: A visual improvement of all modules to exemplify our progress with the GUI design.			

Task Title: Software Design Doc	**Task Initiation:** 1/23	**Orig. Due Date:** 2/11 Draft Due (2/6)	**Status:** In-Progress (50%)
Who (%): Turan (25%) Alex (25%) Austin (25%) Chance (25%)			
Description: A software design document is a detailed, multi-page description of how a software-based product will be provided. It is written by a software developer, or group of developers, and details how a product will be built, feature by feature. The purpose of the document is to provide the developers with additional details to those provided in the functional specification.			
Expected Outcome: A final hardcopy document, professionally presented in hardcopy to your CS faculty mentor on or before the date shown in BBlearn.			

Task Title: Unit Testing Suite Prototype	**Task Initiation:** 1/23	**Orig. Due Date:** 1/31	**Status:** In-Progress 10%
Who (%): Alex Lacy (100%)			
Description: Create a basic set of unit tests based on requirements that can be expanded upon in the future. Unit tests should be black-box tests that ensure modules send, receive, and validate the correct data.			
Expected Outcome: A Github repository with the unit tests and basic documentation to allow them to be easily expanded as we add functionality to the program.			

This week's Tasks: Work plan for coming week

Task Title: Module 1 Development: Create Inputs	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** In-Progress
Who (%): Chance			
Description: Add necessary inputs in the HTML for Module 1. Create JS handlers for each input, and appropriate data structures to store inputs.			
Expected Outcome: Module 1 page with working inputs.			

Task Title: Module 1 Development: Create init() Handler	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** In-Progress
Who (%): Turan			
Description: Implement the handler for the IPC 'INIT' signal, for generating the initial state of the Module 1 page on load.			

Expected Outcome: Module 1 page is capable of intercepting 'INIT' IPC signal, and bootstraps an expected state upon finished execution.

Task Title: Module 1 Development: IPC Message Handlers	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** In-Progress
Who (%): Chance			
Description: Implement handlers in Module 1 for handling the receiving and sending of the 'EXECUTE' and 'LOADMODULE' IPC messages from the backend.			
Expected Outcome: Module 1 page capable of sending execution and module load requests to the backend.			

Task Title: Module 1 Development: UX Pass	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** In-Progress
Who (%): Austin			
Description: Review Chance's implementation of Module 1 inputs, and refactor to emphasize good UX design practices			
Expected Outcome: Module 1 page with UX quality up to standards emphasized in the design document.			

Task Title: Module 1 Development: Test Module Submission	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** In-Progress
Who (%): Everyone			
Description: Test all primary features of the module 0 final product, before showcase to client			
Expected Outcome: Module 1 page checked for any bugs, and can successfully execute pipeline module 1 with expected results.			