Weekly Team Task Report

Team: PathLab	Date:02/13/2019

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 2/8)
Team Meeting (Thursday 1/24)

Upcoming Meetings:

Team Meeting(Thursday 2/14)
Client Meeting(Friday 2/15)

TASKS COMPLETED since last meeting:

Task Title: Design Review Presentation	Task Initiation: 2/11	Orig. Due Date: 2/25 Task Due Date: 2/18	Status: Assigned
Who (%): Turan (Lead Editor)			
Description: In this assignment, we will prepare and present the first formal Design Review for your project. The overall content focus for this and all upcoming Design Reviews is the same:			
Expected Outcome: Assign team members with specific sections. • Intro: Intro the overall project area, sell that it is a vital/valuable market. Intro the client and his/her needs. • Problem and Solution Statement: Remind us of what's broken/inefficient, and what our vision for a solution is. • The Requirements, Software Architecture, and other technical "meat" for that particular document. • Update on Risks/Challenges/Resolutions. Again, what exactly happens here depends where we are on the project. Basically gives and update on status of project risks, plus any particular obstacles we've encountered/solved since the last review. • Update on the project plan and schedule: Update us on how it's going and what's left to do. • Conclusion: summarize and wrap it all up nicely.			

Task Title: Software Design Doc Final	Task Initiation: 1/23	Orig. Due Date: 2/11 Draft Due (2-4)	Status: Complete

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: Module 1 Development: Create Inputs	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** Complete
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: UX improvements	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** Complete
Who (%): Austin			
Description: Improve quality of module 1. Make input more clear for data sequence table navigation, file IO			
Expected Outcome: Module 1 general aesthetic improvements			

Task Title: Update Project Website	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:** Complete
Who (%): Austin			
Description: Update the website with up to date task reports for tracking progress on the project			
Expected Outcome: added pdf versions of latest task reports			

Task Title: Module 1 Development: Create init() Handler	**Task Initiation:** 2/1	**Orig. Due Date:** 2/8	**Status:**Complete
Who (%): Turan/Chance			
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:** Complete/PR-Opened
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: Peer Evals	**Task Initiation:** 2/12	**Orig. Due Date:** 2/14	**Status:** Completed
Who (%): Everyone			
Description: Complete Peer Evals			
Expected Outcome: Email completed evals to mentor			

This week's Tasks: Work plan for coming week

Task Title: DR - Introduction	**Task Initiation:** 2/13	**Orig. Due Date: 2/25** **Task Due Date: 2/21**	**Status:** Assigned - In Progress
Who (%): Alex			
Description: Begin by introducing yourselves briefly: Go through each team member's name and role(s) on the project, as well as your team name, client, faculty mentor.			
Expected Outcome: Intro the overall project area, sell that it is a vital/valuable market. Intro the client and his/her needs.			

Task Title: DR- Problem Statement	**Task Initiation:** 2/13	**Orig. Due Date: 2/25** **Task Due Date: 2/21**	**Status:** Assigned - In Progress
Who (%): Alex			
Description: Begin by talking about the overall business area that you client is in: introduce the area, explain briefly how it works, and try to give some motivating info on how big/active/important that sector is. Describe the problem in overall terms briefly, then get down to bulleting out a few specific things that are not satisfactory. By the end of this, your audience should be really clear on what needs fixing.			
Expected Outcome: Few satisfactory slides explaining background of the problem and what our role is in solving the client's problem.			

Task Title: DR- Solution Overview	**Task Initiation:** 2/13	**Orig. Due Date: 2/25** **Task Due Date: 2/21**	**Status:** Assigned - In Progress
Who (%): Turan			
Description: Provide a broad overview of the solution and outline your plan for fixing the problems you just explained. This section should contain flow charts or graphs to help the audience understand better.			
Expected Outcome: One or two slides explaining the solutions chosen for this projects			

Task Title: DR- Requirements	**Task Initiation:** 2/13	**Orig. Due Date: 2/25** **Task Due Date: 2/21**	**Status:** Assigned - In Progress
Who (%): Austin, Chance, Turan			
Description: Begin discussing your requirements by mentioning (briefly) how you got these requirements, then present the key requirements that your system must meet from the domain perspective; this just means expressed in terms from the client's end domain, rather than in the more structured/technical functional and performance requirements you'll do to next. Most projects can summarize the key user requirements in about 5-10 bullets. Briefly explain each one. End with a summary statement about your Requirements to close the			

discussion. Usually something about how, of course, requirements will always evolve as the project matures, but that you feel you've done a solid job of getting a firm set of baseline requirements.

Expected Outcome: Clear explanation of requirements received from the client

Task Title: DR- Risks and Feasibility	Task Initiation: 2/13	Orig. Due Date: 2/25 Task Due Date: 2/21	Status: Assigned - In Progress
Who (%): Austin			
Description: Provide an overview of the risks you perceive for your project, and how you analyze them then summarize the outcomes and refer to your Feasibility Report for those wanting details.			
Expected Outcome: Clear explanation of risks.			

Task Title: DR- Schedule and Planning	Task Initiation: 2/13	Orig. Due Date: 2/25 Task Due Date: 2/21	Status: Assigned - In Progress
Who (%): Turan			
Description: Offer a short discussion of your project plan, as it stands right now. A Gantt chart is highly recommended, with a "now" line running through it. Go over your main functional milestones…which ones you're through and what's coming. Close with some summary statement of where you are "going well", "somewhat behind, but we think we can catch up", whatever.			
Expected Outcome: Diagram showing the current project status.			

Task Title: DR- Conclusion	Task Initiation: 2/13	Orig. Due Date: 2/25 Task Due Date: 2/21	Status: Assigned - In Progress
Who (%): Alex			
Description: Finish your talk by providing a solid summary of your presentation: This is where you wrap it all up nicely and bring it all together. Start by briefly restating the importance of the domain, your client's business and processes and what was inefficient about them. Then review your solution vision, and go on to review what key topics you've discussed in this Design Review; do NOT review the details of those topics (you did that already in the middle part), just review what you talked about and the overall outcomes: Requirements acquisition, development of detailed Functional, Performance, Environmental requirements, and risks/feasibility.			
Expected Outcome: Solid conclusion to wrap up things nicely.			

Task Title: Module 1 Development	Task Initiation: 1/30	Orig. Due Date: 2/11	Status: In-Progress
Who (%): Pair programming (Everyone)			
Description: Add all the necessary fields for Module 1 and test			
Expected Outcome: Completed Module 1 with all the input fields from the JSON string.			

Task Title: Unit Testing Suite for Module 1	Task Initiation: 2/7	Orig. Due Date: 2/27	Status: In-Progress
Who (%): Turan			
Description: Create a basic set of unit tests based on requirements for module 1. Unit tests should be black-box tests that ensure modules send, receive, and validate the correct data.			
Expected Outcome: Integrated unit testing with module 1.			

Task Title: Module 2 Core Development	**Task Initiation:** 2/14	**Orig. Due Date:** 2/20	**Status:** In Progress
Who (%): Turan & Alex			
Description: Develop module 2			
Expected Outcome: Module 2 fully functional			

Task Title: Module 2 unit testing	**Task Initiation:** 2/14	**Orig. Due Date:** 2/20	**Status:** Assigned
Who (%): Austin & Alex			
Description: Create a basic set of unit tests based on requirements for module 1. Unit tests should be black-box tests that ensure modules send, receive, and validate the correct data.			
Expected Outcome: Integrated unit testing with module 2.			

Task Title: Software Design Presentation	**Task Initiation:** 2/12	**Orig. Due Date:** 2/20	**Status:** Assigned
Who (%): Everyone			
Description: Present the next formal Design Review for our project. The overall content focus for this Design Reviews is the same as the previous one.			
Expected Outcome: Completed Presentation			

Task Title: Ugrads Registration	**Task Initiation:** 2/12	**Orig. Due Date:** 3/18	**Status:** 80%
Who (%): Turan			
Description: Register for UGRADS presentation symposium			
Expected Outcome: Screenshot of the confirmation page, submitted to team mentor at meeting the week it is due.			