Weekly Team Task Report

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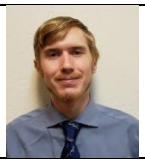
Team: PathLab	**Date:10/26/2018**
Project Title: Graphical User Interface for massively multiplexed pathogen detection	

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

Recent Meetings:

Team Meeting 10/25/2018

TASKS COMPLETED since last meeting:

Task Title: Technological Feasibility - Technological Challenges	**Task Initiation:** 10/10	**Orig. Due Date: 10/26** **Task Due Date: 10/13**	**Status:** Completed
Who (%): Chance (100%): Write the Technological Challenges section of the Technological Feasibility report as outlined in the document. Bring up necessary points for team discussion as needed.			
Description: The Technological Challenges section sets the foundation for the rest of the report, it addresses and sets up all of the pieces which the other sections analyze and string together.			
Expected Outcome: An introduction (2-6 sentences), a bulleted list of all requirements/challenges that need addressed. The focus is on writing - formatting will be updated as a part of a separate task.			

TASKS COMPLETED since last meeting:

Task Title: Technological Feasibility - Technology Integration	**Task Initiation:** 10/10	**Orig. Due Date: 10/26** **Task Due Date: 10/16**	**Status:** Completed
Who (%): Austin(100%): Write the Technology Integration section of the Technological Feasibility report as outlined in the document. Bring up necessary points for team discussion as needed.			
Description: The Technology Integration section will tie the previous sections together, demonstrating how we plan to incorporate all of the major aspects of our solution into one cohesive solution.			
Expected Outcome: An introduction (2-6 sentences). An outline of the major challenges. A system diagram that shows how major elements relate to each other. A brief discussion of each integration issue and solution. The focus is on writing - formatting will be updated as a part of a separate task.			

Task Title: Technological	**Task Initiation:** 10/05	**Orig. Due Date: 10/26** **Task Due Date: 10/09**	**Status:** Completed

Feasibility - Part 1			
Who (%): Alex (Lead Editor - 70%): Read the feasibility assignment document and break sections down into smaller pieces and assign everyone with related tasks. Chance (30%): Read the feasibility assignment document and create the Google Doc in the Team Drive. Assist Alex to come up with a styling format that is professional and consistent for this document.			
Description: The technological feasibility document will help us analyze and understand the restrictions of the technologies we have decided to use for this project. It will also be used as a primary document to convince the client of our competence and the technologies we have decided upon.			
Expected Outcome: Because of the value of the technological feasibility document and also the amount of work that needs to be done to produce this document, it is important to break down the document and assign sections/parts to each team member. The goal of this task is to come up with a plan on how to tackle this assignment. Alex will decide on who will be responsible for writing which part and Chance will assist Alex in creating a consistent styling format throughout the document.			

Task Title: Technological Feasibility - Introduction & Conclusion	**Task Initiation:** 10/10	**Orig. Due Date: 10/26** **Task Due Date: 10/16**	**Status:** Complete
Who (%): Alex (100%): Write the introduction and conclusion for the Technological Feasibility report as outlined in the document. Bring up necessary points for team discussion as needed.			
Description: The introduction and conclusion are important parts of any document, as they are frequently the only sections read by people who lightly skim the document. In particular, parts of these will be re-usable for many future documents.			
Expected Outcome: For the intro: re-usable introduction to the project, team, sponsor, problem, and solution. In addition, a paragraph that leads into and outlines the goals and organization of the rest of the doc. For the conclusion: Review, overview, and summary of the document and its findings, including a small table of challenges, solutions, and confidence in those solutions. The focus is on writing - formatting will be updated as a part of a separate task.			

Task Title: Technological Feasibility - Technology Analysis	**Task Initiation:** 10/10	**Orig. Due Date: 10/26** **Task Due Date: 10/16**	**Status:** Complete
Who (%): Truan (Lead - 80%): Write the parts of the Technology Analysis section according to the outline in the document. Sub-sections to write include Bulleting major issues, Alternatives to each issue (and sub-sections), and chosen approach sections. Responsible for overall completion of the Technology Analysis section. Chance(20%): Writing the remaining sections of the Technology Analysis section, which are: Intro to each issue, and proving feasibility of each issue. Bring up necessary points for team discussion as needed.			
Description: The Technology Analysis section is the meat of the Technological Feasibility report. It is important to have this section be the most substantial and thoroughly completed, as it will guide our approach to implementing out solutions in the future, and will remind us of why we chose the technologies we did.			
Expected Outcome: An introduction (2-6 sentences). All listed sections with appropriate subsections as mentioned in the document. The focus is on writing - formatting will be updated as a part of a separate task.			

Task Title: Pull down Primacy Demo repo locally	**Task Initiation:**	**Due Date: N/A**	**Status:** Complete
Who (%): Austin Kelly			
Description: Pull the Primacy Demo repo from our github page. This is to familiarize ourselves further with Electron, and will serve as the main environment for our demo code.			
Expected Outcome: Environment for our demo successfully set up.			

Task Title: Come up with a front end design for the demo (CSS/HTML) using Flexbox	Task Initiation: 10/19	Due Date: N/A	Status: Complete
Who (%): Austin Kelly			
Description: Create a basic Electron program that shows that the framework is viable for this project.			
Expected Outcome: Working simple demo that does not produce any errors, and demonstrates our understanding of Electron.			

This week's Tasks: Work plan for coming week

Task Title: Technological Feasibility -- final submission	Task Initiation: Once Isaac gets back to us with Feedback on the first draft	Due Date: N/A	Status: Pending
Who (%): Alex (Lead Editor) + assigned members			
Description: The objective of this assignment is simply to structure your exploration of these feasibility questions, and to answer them --- for your education as well as to convince your sponsor of your competence --- in as complete a fashion as possible at this early project stage. As you gain experience in a particular area, you will be more and more able to automatically stay within the bounds of feasibility in your design based on that previous experience. Even so, it is the rare project where you don't have anything at all that is new or challenging to tackle/learn.			
Expected Outcome: Feasibility document final submitted in hard copy and in Bblearn			

Task Title: 3 Minute Team Update	Task Initiation: 10/25	Due Date: 11/6	Status: In Progress
Who (%): Turan and Alex			
Description: This is just a quick update on our project given in just a minute or two to members of our working group. Because most people are generally familiar with our project and status, this update can focus just on what's going on with our project at that moment.			
Expected Outcome: 2-3 minutes informal update on our teams progress.			

Task Title: Create a plan to produce a meaningful prototype using Tara's IO data	Task Initiation: 10/23	Due Date: N/A	Status: InProgress
Who (%): Chance			
Description: Come up with the best design for interacting with the provided IO data.			
Expected Outcome: Research and come up with the best overall structure for how the IO data will be read/interpreted within Electron.			

Task Title: Code Sprint	Task Initiation: 10/28	Due Date: N/A	Status: Schedule
Who (%): Team Meeting			
Description: Meet to discuss and potentially to create a viable demo to showcase all technologies working in Tandem. This should be a small Electron App using flexbox and Chart.js and should output a simple JSON string as specified by Tara.			

Expected Outcome: Simple demo to show to our client by Thursday 11/1