





Weekly Team Task Report

Report
#12

Team: Team PiWatcher					Date: 1/19/2021				
Project Title: Automated IoT People Counting Infrastructure									
	Brigham Present On-time		Champ Present On-time		Joshua Present On-time		Seth Present On-time		Brandon Present On-time

Recent Meetings:

- **1/13/2021 – Weekly Team Meeting:** Discussed tasks that needed to be created and what things need to be addressed to start off the Spring semester
- **1/17/2021 – Impromptu Team Meeting:** Discussed different modules that our entire infrastructure needs.
- **1/18/2021 – Weekly Team Meeting:** Task followup and finalized certain tasks. Pair programmed and discussed roadblocks.

TASKS COMPLETED since last meeting:

Task Title: PiWatcher-Docs: Draft Communication Strategy Memo	Task Initiation: 1/13/2021	Orig. Due Date: 1/18/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Write up communication strategy memo that details weekly team meeting and communication expectations.			
Expected Outcome: Memo is drafted up and reviewed by Seth and Josh and the document is sent to team mentor.			

Task Title: SD-Doc: Implement Document Strategy/Layout	Task Initiation: 1/13/2021	Orig. Due Date: 1/18/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create document layout for the Software Design Document.			
Expected Outcome: Document layout is created and it is approved by team			

Task Title: PCI-Prototype-Frontend: Implement a navigation bar	Task Initiation: 1/13/2021	Orig. Due Date: 1/18/2021	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Implement a navigation bar to the web page.			
Expected Outcome: Pull request is created, reviewed, and accepted.			

Task Title: SPIKE: Figure out modules needed for UML diagrams	Task Initiation: 1/13/2021	Orig. Due Date: 1/18/2021	Status: Complete (100%)
Who (%): Champ (20%), Seth (20%), Briggs (20%), Josh (20%), Brandon (20%)			
Description: Determine what modules are needed for our application.			
Expected Outcome: Modules are determined and UML diagrams can be drafted.			

Task Title: SPIKE: Determine tasks needed for Software Design Document	Task Initiation: 1/13/2021	Orig. Due Date: 1/18/2021	Status: Complete (100%)
Who (%): Champ (20%), Seth (20%), Briggs (20%), Josh (20%), Brandon (20%)			
Description: Determine what tasks need to be created for the Software Design Document.			
Expected Outcome: Tasks are created and groomed in the group Kanban Board.			

Task Title: PiWatcher-Docs: Update Gantt Chart	Task Initiation: 1/13/2021	Orig. Due Date: 1/19/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Update Gantt chart with discussed phases and module implementations			
Expected Outcome: Gantt chart is updated and sent to team mentor			

Task Title: PCI-Prototype-Frontend: Implement the room capacity percentages	Task Initiation: 1/13/2021	Orig. Due Date: 1/18/2021	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Implement capacity percentages with the current count of room			
Expected Outcome: Pull request is created, reviewed, and accepted			

This week's Tasks: Work plan for coming week

Task Title: PCI-Prototype-Pi: Setup Jetson Nano & Get Demo Running	Task Initiation: 1/13/2021	Orig. Due Date: 1/19/2021	Status: In Progress (80%)
Who (%): Josh (100%)			
Description: Install Jetson Nano Operating system and attempt to get a working demo and gather some statistics for performance.			
Expected Outcome: Jetson Nano OS is installed and provide feedback on the performance of the demo.			

Task Title: SPIKE: Figure out how to get CAS login screen with Duane	Task Initiation: 1/13/2021	Orig. Due Date: 1/19/2021	Status: In Progress (20%)
Who (%): Brigs (50%), Brandon (50%)			
Description: Work with Duane and ITS to figure how CAS can be implemented and gather the required resources.			
Expected Outcome: Gathered necessary documentation needed to get CAS implemented			

Task Title: PCI-Prototype-Backend: Research WSGI/Reverse proxy	Task Initiation: 1/13/2021	Orig. Due Date: 1/19/2021	Status: In Progress (50%)
Who (%): Champ (50%), Brandon (50%)			
Description: Research different WSGI servers that will be compatible with CAS login.			
Expected Outcome: WSGI and reverse proxy service is determined and compatible with CAS login			

Task Title: PCI-Prototype-Backend: Dockerize Flask Backend	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Champ (50%), Brandon (50%)			
Description: Create a docker container with the WSGI service.			
Expected Outcome: Backend service runs through the docker container and works as intended. Pull request is reviewed and accepted.			

Task Title: SD-Doc: Create Cover Page	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Create cover page that includes document title, team name and logo, team members, team sponsor, and team mentor, date, and document version			
Expected Outcome: Cover page is added onto the document. The page is reviewed by Josh and Seth.			

Task Title: SD-Doc: Create Table of Contents	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Create a page that displays the contents of the document along with the page number of each section.			
Expected Outcome: Table of contents is created and added onto the draft. The page is reviewed by both Seth and Josh.			

Task Title: SD-Doc: Draft Introduction page	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Brigs (100%)			
Description: Create a page that provides a small introduction to the problem and what we will be delivering and how it solves the problem. It should provide an introduction/background on the client and business area along with brief overview of requirements.			
Expected Outcome: Introduction page is added and is reviewed by Josh, Seth, and Brandon.			

Task Title: SD-Doc: Draft Implementation Overview	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Discuss the product we are building to solve client's problem and introduce the approach we are taking. Mention tools and techniques we will be using.			
Expected Outcome: Implementation overview page is added and is reviewed by Josh, Seth, and Brandon.			

Task Title: SD-Doc: Draft high-level architectural diagram of system	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Create high-level architectural diagram of system			
Expected Outcome: Diagram of the high-level architectural system is added and reviewed by Josh, Seth, and Brandon.			

Task Title: SD-Doc: Draft Implementation Plan	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Champ (100%)			
Description: Provide a big picture of the project that also mentions the key tools that are going to be used.			
Expected Outcome: Implementation plan page is added and is reviewed by Josh, Seth, and Brandon.			

Task Title: SD-Doc: Draft Conclusion page	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Reference the big picture of the project and summarize main points and how it contributes to the bigger picture			
Expected Outcome: Conclusion plan page is added and is reviewed by Josh, Seth, and Brandon.			

Task Title: PCI-Prototype-Frontend: Add Brandon to team website	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Add picture of Brandon to the team website			
Expected Outcome: Pull request is created, reviewed, and accepted. Changes are deployed onto the NAU server.			

Task Title: PCI-Prototype-Frontend: Condense contexts and implement a reducer	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Condense down the multiple contexts and implement a reducer to streamline code base			
Expected Outcome: Pull request is created, reviewed, and accepted.			

Task Title: Team-Website: Update Gantt chart on Resources page	Task Initiation: 1/13/2021	Orig. Due Date: 1/26/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Add Gantt chart onto team website			
Expected Outcome: Pull request is created, reviewed, and accepted. Changes are deployed onto the NAU server.			

Upcoming Tasks: Planning

Task Title: Create UML diagrams for Modules	Who (%): Brigham (20%), Champ (20%), Josh (20%), Seth (20%), Brandon (20%)	Rough Due Date: 1/31/2021
Description: Create and design UML diagrams for the necessary modules of our system.		

Task Title: Integrate CAS into front end	Who (%): Brigham (50%), Seth (50%)	Rough Due Date: 2/2/2021
Description: Integrate CAS as the login page for the front end application		

Task Title: Connect IoT device and Backend	Who (%): Champ (33%), Josh (33%), Brandon (33%)	Rough Due Date: 2/2/2021
Description: Connect IoT device and Backend together and ensure data flows appropriately.		

Other Problems / Other Issues:

- No problems or issues so far.