






Weekly Team Task Report

Report
#17

Team: Team PiWatcher					Date: 2/23/2021				
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:

- **2/17/2021 – Weekly Work Meeting:** Worked on assigned tasks as a team. Focus was on addressing abstract, etc.
- **2/18/2021 – Client Meeting:** Meet with client to discuss progress made on the project so far.
- **2/19/2021 – Weekly Work Meeting:** Worked on assigned tasks as a team. Focused on finalizing slides for Design Review document
- **2/22/2021 – Weekly Team Meeting:** Followed up on tasks and created new tasks. Focused on establishing tasks for the week.

TASKS COMPLETED since last meeting:

Task Title: PCI-Prototype-Backend: Setup and configure MongoDB	Task Initiation: 2/1/2021	Orig. Due Date: 2/8/2021	Status: Complete (100%) – Late (Issues with setting up Docker container)
Who (%): Brandon (50%), Champ (50%)			
Description: Setup and configure MongoDB with Flask such that the information is stored on our local machine instead.			
Expected Outcome: MongoDB is setup and configured locally and the pull request is created, reviewed, and accepted.			

Task Title: DR-II: Introduction	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Create and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Problem Statement	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Solution Overview	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Implementation Overview	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Architecture Overview	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Josh (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Challenges	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Resolutions	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Schedule	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Conclusion	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create slide and add it onto the presentation. Write script for the introduction slide and record the video.			
Expected Outcome: Above description is implemented.			

Task Title: DR-II: Send videos to Editor	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: Complete (100%)
Who (%): Brandon (25%), Champ (25%), Josh (25%), Seth (25%)			
Description: Send recorded videos to the editor.			
Expected Outcome: Videos are sent to editor.			

This week's Tasks: Work plan for coming week

Task Title: PCI-Prototype-IoT: Setup dynamic base url	Task Initiation: 2/8/2021	Orig. Due Date: 2/14/2021	Status: In Progress (0%) – Late
Who (%): Brigs (100%)			
Description: Write code for dynamically changing the base URL depending on if the environment is in development or in production.			
Expected Outcome: Above description is implemented and a pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Setup dynamic base url	Task Initiation: 2/8/2021	Orig. Due Date: 2/14/2021	Status: In Progress (0%) – Late
Who (%): Brandon (100%)			
Description: Write code for dynamically changing the base URL depending on if the environment is in development or in production.			
Expected Outcome: Above description is implemented and a pull request is created, reviewed, and accepted.			

Task Title: PiWatcher-Docs: Sign up for UGRADS	Task Initiation: 2/15/2021	Orig. Due Date: 2/22/2021	Status: In Progress (33%) – Waiting on abstract to be reviewed from mentor
Who (%): Champ (100%)			
Description: Complete the registration process for UGRADS. Add team members as collaborators of the application			
Expected Outcome: Above description is implemented.			

Task Title: PiWatcher-Docs: Write Project Abstract for UGRADS	Task Initiation: 2/15/2021	Orig. Due Date: 2/22/2021	Status: In Progress (80%) – Waiting on abstract to be reviewed from mentor
Who (%): Brigs (100%)			
Description: Write 250-word max project abstract.			
Expected Outcome: Above description is implemented and is reviewed by the entire team.			

Task Title: PCI-Prototype-IoT: Restructure file organization	Task Initiation: 2/15/2021	Orig. Due Date: 2/22/2021	Status: In Progress (0%) – Waiting on pull request current pull request.
Who (%): Josh (100%)			
Description: Restructure the files and folders inside the Git repository			
Expected Outcome: Above description is implemented and a pull request is created, reviewed, and accepted.			

Task Title: DR-II: Edit Video	Task Initiation: 2/15/2021	Orig. Due Date: 2/21/2021	Status: In Progress (80%) – Need to review video
Who (%): Brigs (100%)			
Description: Take recorded videos and edit them into a video			
Expected Outcome: Edited video is created and it is uploaded to YouTube.			

Task Title: PCI-Prototype-IoT: Figure out backend docker container IP address	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Brigs (33%), Brandon (33%), Josh (33%)			
Description: Find out what the container ip address is for the backend docker deployment. Determine if this is the correct docker container ip address.			
Expected Outcome: Above description is completed.			

Task Title: SPIKE: Determine the best course of action for testing frontend	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Determine the way to test functionality on the front end.			
Expected Outcome: Above description is completed.			

Task Title: SPIKE: Determine the tasks needed for completing technical demo	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Determine the way to test functionality on the front end.			
Expected Outcome: Above description is completed.			

Task Title: SPIKE: Determine the best course of action for testing IoT device	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Determine the way to test functionality on the IoT device.			
Expected Outcome: Above description is completed.			

Task Title: SPIKE: Determine the best course of action for testing backend	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Brigs (100%)			
Description: Determine the way to test functionality on the Brigs.			
Expected Outcome: Above description is completed.			

Task Title: PCI-Prototype-IoT: Collect metrics between Pi3 vs Pi4	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Determine what metrics need to be recorded. Collect these metrics on the Pi3 versus the Pi4 to determine what is the best hardware to go with.			
Expected Outcome: Above description is completed.			

Task Title: PCI-Prototype-Backend: Restructure endpoint for querying counts	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Champ (100%)			
Description: Restructure document insertion for MongoManagerService to follow the new updated way of inserting data into the database. Check that changes are reflected in the MongoDB database. Restructure building search endpoint to follow the new structure in MongoDB and ensure that the application still works as intended.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Setup REST API user	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Champ (100%)			
Description: Create a new user in the MongoDB database. Setup Flask configuration to use the new user in the MongoDB database. Ensure that the application still works as intended.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Setup system for creating mock data	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Champ (100%)			
Description: Determine how the system will be executed. Create a module for setting up mocked data. Load MongoDB database with room counts and data. Ensure that the data is stored in MongoDB and that the application still works as intended.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Add dummy buttons to the dashboard graph for data start/end selection	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Create dummy buttons with styling. Correct spacing on desktop and on mobile.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Setup Docker container for front end	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Dockerize with Nginx and host front end with the nginx container.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Styling and page formatting (login)	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Add fade effect on form when auth type is changed. Correct the spacing for both desktop and mobile.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Styling and page formatting (Dashboard)	Task Initiation: 2/22/2021	Orig. Due Date: 3/1/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Pull and display user name. Implement styling language and add text pasring for data. Correct spacing on desktop and on mobile.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Upcoming Tasks: Planning

Task Title: Full Prototype Tech Demo Milestone	Who (%): Champ (20%), Seth (20%), Brandon (20%), Josh (20%), Brigs (20%)	Rough Due Date: 3/12/2021
Description: Fill out flight plan and prepare for prototype tech demo.		

Task Title: Milestone III: Bugfixing & Optimization	Who (%): Champ (20%), Seth (20%), Brandon (20%), Josh (20%), Brigs (20%)	Rough Due Date: 4/2/2021
Description: Add needed features and optimization the algorithm.		

Task Title: Software Testing Plan	Who (%): Champ (20%), Seth (20%), Brandon (20%), Josh (20%), Brigs (20%)	Rough Due Date: 4/2/2021
Description: Write document for how we are going to test our Software.		

Other Problems / Other Issues:

- No problems or issues so far.