

Weekly Team Task Report

Report
#9

Team: Team PiWatcher				Date: 11/13/2020			
Project Title: Automated IoT People Counting Infrastructure							
	Brigham Present On-time		Champ Present On-time		Joshua Present On-time		Seth Present On-time

Recent Meetings:

- 11/10/2020 – Team Meeting from 3:30pm – 5:00pm
- Task followup and created tasks that we need to make for the prototype demo.
- 11/12/2020 – Team Meeting from 3:30pm – 4:30pm
- Task followup and went over mentor comments for the tech feasibility.

TASKS COMPLETED since last meeting:

Task Title: PCI-Prototype-Backend: Create needed endpoints	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Draft endpoints for accessing database for data or returning data.			
Expected Outcome: Endpoints have been created and is able to return data through postman			

Task Title: Demo-Flight-Plan: Fill out flight plan template	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Fill out flight plan template that addresses key challenges of the system and provide demos that address those challenges			
Expected Outcome: Flight plan is filled out and reviewed with team.			

Task Title: DR-Final: Revise solution overview	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Add and make revision based on team mentor's notes. If a rerecord is needed, then upload and send the video to video editor			
Expected Outcome: Revisions are made and if necessary, the video is sent to team editor			

Task Title: DR-Final: Revise requirements acquisition	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Josh (100%)			
Description: Add and make revision based on team mentor's notes. If a rerecord is needed, then upload and send the video to video editor			
Expected Outcome: Revisions are made and if necessary, the video is sent to team editor			

Task Title: DR-Final: Update Gantt Chart on schedule	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Gantt chart is updated and the schedule is split into multiple slides.			
Expected Outcome: Revisions are made and if necessary, the video is sent to team editor.			

Task Title: DR-Final: Edit and upload video	Task Initiation: 11/5/2020	Orig. Due Date: 11/12/2020	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Edit the video and upload the video to YouTube. Link to the YouTube video should be sent to the team lead to pass onto the team mentor			
Expected Outcome: Video is edited and uploaded onto YouTube with the link sent to the team lead.			

Task Title: Team-Website: Reformat Project Page	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Reformat the project page so that the information is in cards instead of the page directly.			
Expected Outcome: Page is updated, pull request is reviewed and accepted and the changes are live on the team website.			

Task Title: Team-Website: Add Gantt chart back onto schedule	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Add Gantt chart that was made by team lead onto the schedule tab of the website			
Expected Outcome: Page is updated, pull request is reviewed and accepted and the changes are live on the team website.			

Task Title: Team-Website: Resize GitHub logo	Task Initiation: 11/5/2020	Orig. Due Date: 11/10/2020	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: GitHub logo is resized to a smaller size so that it does not take up half the page.			
Expected Outcome: Page is updated, pull request is reviewed and accepted and the changes are live on the team website.			

This week's Tasks: Work plan for coming week

Task Title: PCI-Prototype-Frontend: Visualize count data over time	Task Initiation: 11/10/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Seth (100%)			
Description: Visualize the data received as a line graph over time			
Expected Outcome: Data is visualized over time, and the graph is shown. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Receiving and parsing data	Task Initiation: 11/10/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Seth (100%)			
Description: Create the necessary request to the backend to receive and gather the data necessary. Parse the information on the frontend side to prepare it for data visualization			
Expected Outcome: The request to the backend is created and the correct data is received. The information is also parsed and ready to go. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Pi: Find and implement a model	Task Initiation: 11/10/2020	Orig. Due Date: 11/19/2020	Status: In progress (20%)
Who (%): Josh (100%)			
Description: Look for possible implementations online and check if the implementations found a feasible for the project scope. Implement the model on the raspberry pie.			
Expected Outcome: Implementation is found and shows feasibility for the project scope. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Restructure project directories	Task Initiation: 11/10/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Champ (100%)			
Description: Restructure the backend appropriately for easier modularity as project progresses. Ensure that the backend still works as intended and it able to be hit by postman. Make any updates to the README if need be.			
Expected Outcome: The backend is restructured for easier modularity and the backend still works as intended. If there are any changes that significant, specify it in the README file. Pull request is created, reviewed, and accepted.			

Task Title: Req-Doc-Final: Reformat and finaanlize requirements document	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Josh (50%), Seth (50%)			
Description: Look and fix grammar, spelling, and formatting errors in the document. Perform updates to the table of contents and glossary as needed.			
Expected Outcome: Grammar errors, spelling errors, and formatting errors are all fixed. The table of contents and glossary are updated as needed. The document should be finalized and sent to the Team Lead for submission.			

Task Title: Req-Doc-Final: Add security risks	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Josh (100%)			
Description: Add security risks to chart with (low-medium likeliness and high severity). Discuss different security risks such as breach of computer data, network breach, physical breach, etc.			
Expected Outcome: Risks section is updated with the appropriate information added.			

Task Title: PCI-Prototype-Frontend: Search bar shows dropdown of rooms	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Seth (50%), Briggs (50%)			
Description: Have a search bar for the buildings on the top of the page. When a building is starting to be typed, it starts to show potential options as a dropdown below the search bar. For now, SICCS can be the only building shown.			
Expected Outcome: The search bar and drop down is created. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Display list of rooms for that building	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Seth (50%), Briggs (50%)			
Description: Create a dropdown or list of rooms as a sidebar for the rooms that are in the building.			
Expected Outcome: Dropdown or list of rooms is shown on the side of the room for that building. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Display current count as a card	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Seth (50%), Briggs (50%)			
Description: Display the count as a card that shows the current data at the moment. Also shows if the number went up or down from the previous hour.			
Expected Outcome: Count card is created and shows the current data. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Add functionality to endpoints	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Champ (100%)			
Description: Create the necessary functionality to the endpoints and test that it works in postman. Ensure that the correct data is passed to the front end			
Expected Outcome: Functionality to the endpoints works as intended and the correct information is being passed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Generate and send mocked count data	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Champ (100%)			
Description: Create mock data generator for building count data. Create mock data generator for room count data. Send data through the appropriate endpoint.			
Expected Outcome: Mock data generators are created and can be sent to the front-end. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Prototype: Recognize one person from a video feed	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Josh (100%)			
Description: Send and analyze video feed using OpenCV. Ensure that we can track and put a point on a single person.			
Expected Outcome: Able to track and put a point a single person in a video feed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Prototype: Connect Pi to Web App Backend	Task Initiation: 11/12/2020	Orig. Due Date: 11/19/2020	Status: In progress (0%)
Who (%): Josh (100%)			
Description: Utilizes the requests library to make an http request to the backend endpoints. Confirm that the request was accepted on the backend and the correct information was sent.			
Expected Outcome: Is able to create requests to the backend and the correct information can be sent. Pull request is created, reviewed, and accepted.			

Upcoming Tasks: Planning

Task Title: PCI Prototype Demo	Who (%): Brigham (25%), Champ (25%), Josh (25%), Seth (25%)	Rough Due Date: 11/27/2020
Description: Start creating and designing the prototype for the demo to test feasibility and show proof of concept.		

Other Problems / Other Issues:

- No problems or issues so far.