





# Weekly Team Task Report

Report  
#10

<b>Team:</b> Team PiWatcher					<b>Date:</b> 11/20/2020		
<b>Project Title:</b> Automated IoT People Counting Infrastructure							
	<b>Brigham</b>  Present  On-time		<b>Champ</b>  Present  On-time		<b>Joshua</b>  Present  On-time		<b>Seth</b>  Present  On-time

## Recent Meetings:

- 11/17/2020 – Team Meeting from 3:30pm – 7:00pm  
- Task followup and discussed prototype, along with completing design review task.
- 11/19/2020 – Team Meeting from 3:30pm – 5:00pm  
- Task followup and went over progress for prototype

## TASKS COMPLETED since last meeting:

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

<b>Task Title:</b> PCI-Prototype-Frontend: Display current count as a card	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Seth (100%)			
<b>Description:</b> 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.			
<b>Expected Outcome:</b> Count card is created and shows the current data. Pull request is created, reviewed, and accepted.			

<b>Task Title:</b> Req-Doc-Final: Add security risks	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Josh (100%)			
<b>Description:</b> 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.			
<b>Expected Outcome:</b> Risks section is updated with the appropriate information added.			

<b>Task Title:</b> DR-Review: Team review of other Design Reviews	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Champ (25%), Briggs (25%), Josh (25%), Seth (25%)			
<b>Description:</b> Completed templates for design review sheet and are ready to be submitted to team mentor			
<b>Expected Outcome:</b> Template is filled out, reviews are complete, and is ready to be sent to team mentor			

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

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

<b>Task Title:</b> Req-Doc-Final: Reformat and finaanlize requirements document	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Josh (50%), Seth (50%)			
<b>Description:</b> Look and fix grammar, spelling, and formatting errors in the document. Perform updates to the table of contents and glossary as needed.			
<b>Expected Outcome:</b> 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.			

<b>Task Title:</b> PCI-Prototype-Backend: Restructure project directories	<b>Task Initiation:</b> 11/10/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Champ (100%)			
<b>Description:</b> 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.			
<b>Expected Outcome:</b> 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.			

<b>Task Title:</b> PCI-Prototype-Backend: Connect to MongoDB	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Champ (100%)			
<b>Description:</b> Connect the backend to MongoDB and insert a document into the database			
<b>Expected Outcome:</b> Connection to MongoDB is made and functionality for inserting into the database is created.			

<b>Task Title:</b> PCI-Prototype-Frontend: Receiving and parsing data	<b>Task Initiation:</b> 11/10/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Seth (100%)			
<b>Description:</b> 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			
<b>Expected Outcome:</b> 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.			

<b>Task Title:</b> Team-Website: Finalize Team Website for Grading	<b>Task Initiation:</b> 11/10/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> Complete (100%)
<b>Who (%):</b> Seth (100%)			
<b>Description:</b> Prepare the website to be finalized for grading and be ready to push it onto the NAU server			
<b>Expected Outcome:</b> Website is prepared and finalized. Pull request is created, reviewed, and accepted.			

## This week's Tasks: Work plan for coming week

<b>Task Title:</b> PCI-Prototype-Frontend: Search bow shows dropdown of rooms	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> In progress (0%)
<b>Who (%):</b> Seth (50%), Briggs (50%)			
<b>Description:</b> 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.			
<b>Expected Outcome:</b> The search bar and drop down is created. Pull request is created, reviewed, and accepted.			

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

<b>Task Title:</b> PCI-Prototype-Backend: Add functionality to endpoints	<b>Task Initiation:</b> 11/12/2020	<b>Orig. Due Date:</b> 11/19/2020	<b>Status:</b> In progress (0%)
<b>Who (%):</b> Champ (100%)			
<b>Description:</b> 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			
<b>Expected Outcome:</b> Functionality to the endpoints works as intended and the correct information is being passed. Pull request is created, reviewed, and accepted.			

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

<b>Task Title:</b> PCI-Prototype-Backend: Create testing scheme for load testing backend	<b>Task Initiation:</b> 11/19/2020	<b>Orig. Due Date:</b> 11/20/2020	<b>Status:</b> In progress (0%)
<b>Who (%):</b> Champ (100%)			
<b>Description:</b> Utilize postman to create load testing for the already created endpoints of the backend API			
<b>Expected Outcome:</b> Postman is able to communicate and load test backend.			

**Upcoming Tasks: Planning**

None

**Other Problems / Other Issues:**

- No problems or issues so far.