






Weekly Team Task Report

Report
#21

Team: Team PiWatcher					Date: 3/23/2021				
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:

- **3/17/2021 – Weekly Work Meeting:** Worked on restructuring the portions of the web application. Team also worked on portions of the Design Review presentation.
- **3/19/2021 – Weekly Work Meeting:** Continued working on restructuring the portions of the web application
- **3/22/2021 – Weekly Team Meeting:** Went over tasks from last week. Created and groomed tasks for the week.

TASKS COMPLETED since last meeting:

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/auth/users/update)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Create the endpoint in the resources module. Create the functionality that updates the user and returns back the user account information as a response. If an error occurs, display it.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/auth/users)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Create the endpoint in the resources module. Create the functionality that displays all the users that is currently in the database as a response. If an error occurs, display it.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/auth/signin)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Update the endpoint to follow new design. Ensure that the correct response is sent and still works as intended.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/auth/roles)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Create the endpoint in the resources module. Create the functionality that displays all the roles that is currently in the database as a response. If an error occurs, display it.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Reorganize resources folder.	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Champ (100%)			
Description: Reorganize the resources such that it follows the current design.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PiWatcher-Doc: Design Review 3 Introduction	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Create introduction slide that introduces each team member, client, and faculty mentor.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Solution Overview	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Create overview slide that outlines plan that will fix the problem that the client is having.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Requirements Specification Review	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Create requirements specification slide that outlines the key requirements and outlines the specific capabilities of the product.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Architecture and Implementation Review	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brigs (100%)			
Description: Create architecture and implementation slide that outlines the overall architecture and implementation of the solution.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Challenges and Resolution	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create challenges and resolution slide that outlines the challenges that we have had and the resolutions that the team has done.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Schedule	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create a schedule slide that outlines the teams current schedule along with some of the things that we have done and what is upcoming.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Testing Plan	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create a testing plan slide that outlines the teams current testing plan and the key elements of what is going to be tested and the what results we are expecting from it.			
Expected Outcome: Above description is completed.			

Task Title: PiWatcher-Doc: Design Review 3 Conclusion	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Brandon (100%)			
Description: Create a conclusion slide that summaries the problem and how our solution solves that problem.			
Expected Outcome: Above description is completed.			

Task Title: PCI-Prototype-Backend: Implement SSL encryption	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: Complete (100%)
Who (%): Seth (100%)			
Description: Autogenerate SSL certs within a docker container. Link the SSL creation container to Gunicorn and serve the backend behind an SSL encryption.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

This week's Tasks: Work plan for coming week

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/room/weekly)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab weekly data from the database and send data off in a response to the front end. Ensure a failed response is sent if failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/room/daily)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab daily data from the database and send data off in a response to the front end. Ensure a failed response is sent if failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/room/live)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab live data from the database and send data off in a response to the front end. Ensure a failed response is sent if failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/room/yearly)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab yearly data from the database and send data off in a response to the front end. Ensure a failed response is sent if failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/room/quarterly)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab quarterly data from the database and send data off in a response to the front end. Ensure a failed response is sent if failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/room/monthly)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab monthly data from the database and send data off in a response to the front end. Ensure a failed response is sent if failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Create functionality for new endpoint (/data/building/rooms)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Grab all room names for a building from the database. Send the data off in a response to the front end and ensure that a failed response is sent if a failure occurs.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Backend: Update endpoint (/data/buildings)	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (75%)
Who (%): Josh (100%)			
Description: Update endpoint so that it follows the new REST API design.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Update codebase for new endpoint URL design	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (60%)
Who (%): Seth (100%)			
Description: Update requests for grabbing rooms and grabbing data for the graph.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Update dashboard formatting and mobile support	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (43%)
Who (%): Seth (100%)			
Description: Create regular expression for password form requirement and implement it into the frontend.			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-Frontend: Update navigation bar formatting	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (83%)
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Who (%): Seth (100%)

Description: Add admin button for admin functionality and place the previous time card component within the navbar. Ensure that the navbar resizes correctly on both desktop and mobile.

Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.

Task Title: PCI-Prototype-Frontend: Research methods of favoriting selected charts	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (33%)
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Who (%): Seth (100%)

Description: Research methods of saving favorited charts and design the charts favoriting functionality.

Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.

Task Title: PCI-Prototype-Frontend: Create admin view for handling user permissions	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (83%)
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Who (%): Seth (100%)

Description: Link to admin page through the navbar. Pull users from newly created user endpoint and on user select display privileges in modal. On submit, send selected privileges to database.

Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.

Task Title: PCI-Prototype-Frontend: Query database between dates for graph display	Task Initiation: 3/8/2021	Orig. Due Date: 3/22/2021	Status: In Progress (40%)
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Who (%): Seth (100%)

Description: Create function to query the database between dates for the graph to display.

Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.

Task Title: PCI-Prototype-Backend: Determine design for token based authentication	Task Initiation: 3/8/2021	Orig. Due Date: 3/24/2021	Status: In Progress (0%)
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Who (%): Champ (33%), Joshua (33%), Seth (33%)

Description: Create UML diagram that details how to secure connections to the backend/frontend. Determine what tasks are needed for setting up token-based authentication for both the frontend/backend/IoT.

Expected Outcome: Above description is completed.

Task Title: PCI-Prototype-Backend: Determine design for forgot password	Task Initiation: 3/8/2021	Orig. Due Date: 3/24/2021	Status: In Progress (0%)
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Who (%): Champ (33%), Joshua (33%), Seth (33%)

Description: Create UML diagram that details the forgot password flow structure is going to work. Determine what tasks are needed for setting up both the frontend/backend/IoT.

Expected Outcome: Above description is completed.

Task Title: Design-Review-III: Record video for Introduction slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Champ (100%)			
Description: Write script for the introduction slide. Record video presenting the introduction slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Record video for Schedule slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Champ (100%)			
Description: Write script for the Schedule slide. Record video presenting the Schedule slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: PCI-Prototype-Frontend: Designate different dashboard views for different user roles	Task Initiation: 3/8/2021	Orig. Due Date: 3/29/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Make adjustments to dashboard for public view (formatting for percentages, hide unnecessary graph queries). Make adjustments to dashboard for admin view (formatting for raw data)			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: Software-Testing-Doc: Review Document	Task Initiation: 3/8/2021	Orig. Due Date: 3/29/2021	Status: In Progress (0%)
Who (%): Seth (50%), Josh (50%)			
Description: Go through and check if content matches assignment specifications and all grammatical/spelling errors are corrected.			
Expected Outcome: Above description is completed.			

Task Title: Design-Review-III: Record video for prototype review slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Write script for the prototype review slide. Record video presenting the testing plan slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Send pictures for prototype review	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Seth (100%)			
Description: Send pictures of the entire workflow on the frontend.			
Expected Outcome: Above description is completed.			

Task Title: PCI-Prototype-IoT: Restructure entry JSON data	Task Initiation: 3/8/2021	Orig. Due Date: 3/29/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Restructure JSON to fit changes in the backend			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: PCI-Prototype-IoT: Create an install script for environment variables	Task Initiation: 3/8/2021	Orig. Due Date: 3/29/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Create shell script to handle setting up environment variables. Test script to ensure it works as intended. Add script to be executed in setup shell script			
Expected Outcome: Above description is completed. Pull request is created, reviewed, and accepted.			

Task Title: Design-Review-III: Record video for testing plan slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Write script for testing plan slide. Record video presenting the testing plan slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Record video for architecture implementation overview slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Josh (100%)			
Description: Write script for the architecture implementation slide. Record video presenting the architecture implementation slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Record video for conclusion slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Write script for the conclusion slide. Record video presenting the conclusion slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Record video for challenges and resolutions slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Brandon (100%)			
Description: Write script for the conclusion slide. Record video presenting the conclusion slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Create DR3 video	Task Initiation: 3/8/2021	Orig. Due Date: 3/29/2021	Status: In Progress (0%)
Who (%): Brigs (100%)			
Description: Edit together DR3 video together and upload the video onto YouTube.			
Expected Outcome: Above description is completed.			

Task Title: Design-Review-III: Record video for problem statement slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Brigs (100%)			
Description: Write script for the problem statement slide. Record video presenting the problem statement slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Record video for solution overview slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Brigs (100%)			
Description: Write script for the solution overview slide. Record video presenting the solution overview slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Design-Review-III: Record video for requirements specification overview slide	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Brigs (100%)			
Description: Write script for the requirements specification slide. Record video presenting the requirements specification slide and upload the video onto Google drive.			
Expected Outcome: Above description is completed. Video is uploaded onto the Google Drive.			

Task Title: Requirements-Refactor: Go through and edit requirements affected by CAS-like restructure	Task Initiation: 3/8/2021	Orig. Due Date: 3/28/2021	Status: In Progress (0%)
Who (%): Brandon (20%), Brigs (20%), Champ (20%), Josh (20%), Seth (20%)			
Description: Go through and highlight requirements that we have completed and setup a document for Duane to discuss requirements that need to be changed by the CAS-like restructure.			
Expected Outcome: Above description is completed.			

Upcoming Tasks: Planning

Task Title: Milestone IV: Software Testing & Product Finanlization	Who (%): Champ (20%), Seth (20%), Brandon (20%), Josh (20%), Brigs (20%)	Rough Due Date: 4/23/2021
Description: Write software modules needed to complete the capstone project.		

Task Title: Capstone Presentation	Who (%): Champ (20%), Seth (20%), Brandon (20%), Josh (20%), Brigs (20%)	Rough Due Date: 4/26/2021
Description: Write capstone presentation for UGRADS.		

Other Problems / Other Issues:

- No problems or issues so far.