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|  | **Weekly Team Task Report** | **Report #17** |

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| Team: Team PiWatcher | | | | | | **Date:** 2/23/2021 | | | | | |
| **Project Title:** Automated IoT People Counting Infrastructure | | | | | | | | | | | |
| **A person wearing glasses and smiling at the camera  Description automatically generated** | **Brigham**  Present  On-time | **A close up of a person  Description automatically generated** | **Champ**  Present  On-time | **A person wearing a suit and tie  Description automatically generated** | **Joshua**  Present  On-time | | A person smiling for the camera  Description automatically generated | **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 finanlizing 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:

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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

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| **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. | | | |

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| **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. | | | |

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| **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 collaboratos of the application | | | |
| **Expected Outcome:** Above description is implemented. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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. | | | |

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| **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

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| **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. | | |

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| **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. | | |

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| **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.