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|  | **Weekly Team Task Report** | **Report #16** |

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| Team: Team PiWatcher | | | | | | **Date:** 2/16/2021 | | | | | |
| **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:

### 2/10/2021 – Team Work Meeting: Pair programming session. Team worked on their tasks for the week.

### 2/12/2021 – Team Work Meeting: Pair programming session. Team worked on their tasks for the week.

### 2/15/2021 – Weekly Team Meeting: Task creation and task followup. Assigned tasks for the week and closed stories that are waiting for review.

### TASKS COMPLETED since last meeting:

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| **Task Title:**  SD-Doc: Revise document with team mentor changes | **Task Initiation:**  2/1/2021 | **Orig. Due Date:**  2/8/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Go over recommended changes by the team mentor and revise issues with the document. | | | |
| **Expected Outcome:** Document is revised and reviewed by Josh, Seth, and Brandon. | | | |

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| **Task Title:**  PiWatcher-Docs: Complete Peer Evals | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/9/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brigs (20%), Brandon (20%), Champ (20%), Josh (20%), Seth (20%) | | | |
| **Description:** Each team member must fill out and send their peer evaluations to team mentor. | | | |
| **Expected Outcome:** All peer evaluations are sent. | | | |

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| **Task Title:**  SPIKE: Figure out any other changes for Software Design Document | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Read through the document and determine areas of improvement for the Software Design Document. | | | |
| **Expected Outcome:** Changes are determined and the appropriate tasks are created | | | |

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| **Task Title:**  PCI-Prototype-Frontend: Connect registration/login page to backend | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Seth (100%) | | | |
| **Description:** Implement user registration tab on login page. Send user login information to backend for authorization / account creation. Implement functionality on auth success and auth failure. | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  SPIKE: Figure out tasks needed to complete Design Review II | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Figure out what tasks need to be created to complete Design Review II. | | | |
| **Expected Outcome:** Tasks are figured out for next week’s grooming session. | | | |

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| **Task Title:**  PCI-Prototype-Backend: Setup dynamic base url | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Champ (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-IoT: Setup scheduling module | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Josh (100%) | | | |
| **Description:** Create python file for scheduling module. Classes/Functions are stubbed out. | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |
| **Task Title:**  PCI-Prototype-IoT: Add functionality to scheduling module | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Josh (100%) | | | |
| **Description:** Functionality for scheduling module is implemented and is tested. | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  PCI-Prototype-Backend: Setup JSON structure for REST API | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brandon (20%), Brigs (20%), Champ (20%), Josh (20%), Seth (20%) | | | |
| **Description:** Determine JSON structure that will be stored in the database. Determine JSON structure that will be pulled from the database. Implement new JSON structure. | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  PCI-Prototype-Backend: Create functionality for user registration | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Champ (50%), Seth (50%) | | | |
| **Description:** Create new endpoint(s) for user registration. Setup functions needed for Login Authentication Service. Add necessary functions for adding user into database. Setup resources to pull user data from databaser and verify password. Ensure that HTTPBasicAuth still works. | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  PCI-Prototype-IoT: Setup JSON structure for REST API | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brandon (20%), Brigs (20%), Champ (20%), Josh (20%), Seth (20%) | | | |
| **Description:** Determine JSON structure that will be sent to the backend. Implement new JSON structure | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  PCI-Prototype-IoT: Purge unnecessary functionality from template code base | **Task Initiation:**  2/8/2021 | **Orig. Due Date:**  2/14/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brigs (100%) | | | |
| **Description:** Remove unused files and delete unnecessary code. Ensure that the Analysis still works. | | | |
| **Expected Outcome:** Above description is implemented and a pull request is created, reviewed, and accepted. | | | |

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

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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:**  In Progress (57%) – Late (Issues with setting up Docker container) |
| **Who (%):** Brandon (100%) | | | |
| **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:**  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 (0%) |
| **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 (0%) |
| **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%) |
| **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: Introduction | **Task Initiation:**  2/15/2021 | **Orig. Due Date:**  2/21/2021 | **Status:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **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:**  In Progress (0%) |
| **Who (%):** Brandon (25%), Champ (25%), Josh (25%), Seth (25%) | | | |
| **Description:** Send recorded videos to the editor. | | | |
| **Expected Outcome:** Videos are sent to editor. | | | |

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| **Task Title:**  DR-II: Edit Video | **Task Initiation:**  2/15/2021 | **Orig. Due Date:**  2/21/2021 | **Status:**  In Progress (0%) |
| **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. | | | |

### 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. | | |

### Other Problems / Other Issues:

* No problems or issues so far.