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|  | **Weekly Team Task Report** | **Report #12** |

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| Team: Team PiWatcher | | | | | | **Date:** 1/19/2021 | | | | | |
| **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:

### 1/13/2021 – Weekly Team Meeting: Discussed tasks that needed to be created and what things need to be addressed to start off the Spring semester

### 1/17/2021 – Impromptu Team Meeting: Discussed different modules that our entire infrastructure needs.

### 1/18/2021 – Weekly Team Meeting: Task followup and finalized certain tasks. Pair programmed and discussed roadblocks.

### TASKS COMPLETED since last meeting:

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| **Task Title:**  PiWatcher-Docs: Draft Communication Strategy Memo | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/18/2021 | **Status:**  Complete (100%) |
| **Who (%):** Champ (100%) | | | |
| **Description:** Write up communication strategy memo that details weekly team meeting and communication expectations. | | | |
| **Expected Outcome:** Memo is drafted up and reviewed by Seth and Josh and the document is sent to team mentor. | | | |

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| **Task Title:**  SD-Doc: Implement Document Strategy/Layout | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/18/2021 | **Status:**  Complete (100%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Create document layout for the Software Design Document. | | | |
| **Expected Outcome:** Document layout is created and it is approved by team | | | |

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| **Task Title:**  PCI-Prototype-Frontend: Implement a navigation bar | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/18/2021 | **Status:**  Complete (100%) |
| **Who (%):** Seth (100%) | | | |
| **Description:** Implement a navigation bar to the web page. | | | |
| **Expected Outcome:** Pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  SPIKE: Figure out modules needed for UML diagrams | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/18/2021 | **Status:**  Complete (100%) |
| **Who (%):** Champ (20%), Seth (20%), Brigs (20%), Josh (20%), Brandon (20%) | | | |
| **Description:** Determine what modules are needed for our application. | | | |
| **Expected Outcome:** Modules are determined and UML diagrams can be drafted. | | | |

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| **Task Title:**  SPIKE: Determine tasks needed for Software Design Document | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/18/2021 | **Status:**  Complete (100%) |
| **Who (%):** Champ (20%), Seth (20%), Brigs (20%), Josh (20%), Brandon (20%) | | | |
| **Description:** Determine what tasks need to be created for the Software Design Document. | | | |
| **Expected Outcome:** Tasks are created and groomed in the group Kanban Board. | | | |

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| **Task Title:**  PiWatcher-Docs: Update Gantt Chart | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/19/2021 | **Status:**  Complete (100%) |
| **Who (%):** Champ (100%) | | | |
| **Description:** Update Gantt chart with discussed phases and module implementations | | | |
| **Expected Outcome:** Gantt chart is updated and sent to team mentor | | | |

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| **Task Title:**  PCI-Prototype-Frontend: Implement the room capacity percentages | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/18/2021 | **Status:**  Complete (100%) |
| **Who (%):** Seth (100%) | | | |
| **Description:** Implement capacity percentasges with the current count of room | | | |
| **Expected Outcome:** Pull request is created, reviewed, and accepted | | | |

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

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| **Task Title:**  PCI-Prototype-Pi: Setup Jetson Nano & Get Demo Running | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/19/2021 | **Status:**  In Progress (80%) |
| **Who (%):** Josh (100%) | | | |
| **Description:** Install Jetson Nano Operating system and attempt to get a working demo and gather some statistics for performance. | | | |
| **Expected Outcome:** Jetson Nano OS is installed and provide feedback on the performance of the demo. | | | |

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| **Task Title:**  SPIKE: Figure out how to get CAS login screen with Duane | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/19/2021 | **Status:**  In Progress (20%) |
| **Who (%):** Brigs (50%), Brandon (50%) | | | |
| **Description:** Work with Duane and ITS to figure how CAS can be implemented and gather the required resources. | | | |
| **Expected Outcome:** Gathered necessary documentation needed to get CAS implemented | | | |

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| **Task Title:**  PCI-Prototype-Backend: Research WSGI/Reverse proxy | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/19/2021 | **Status:**  In Progress (50%) |
| **Who (%):** Champ (50%), Brandon (50%) | | | |
| **Description:** Research different WSGI servers that will be compatible with CAS login. | | | |
| **Expected Outcome:** WSGI and reverse proxy service is determined and comptabile with CAS login | | | |

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| **Task Title:**  PCI-Prototype-Backend: Dockerize Flask Backend | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Champ (50%), Brandon (50%) | | | |
| **Description:** Create a docker container with the WSGI service. | | | |
| **Expected Outcome:** Backend service runs through the docker container and works as intended. Pull request is reviewed and accepted. | | | |

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| **Task Title:**  SD-Doc: Create Cover Page | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Create cover page that includes document title, team name and logo, team members, team sponsor, and team mentor, date, and document version | | | |
| **Expected Outcome:** Cover page is added onto the document. The page is reveiwed by Josh and Seth. | | | |

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| **Task Title:**  SD-Doc: Create Table of Contents | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Create a page that displays the contents of the document along with the page number of each section. | | | |
| **Expected Outcome:** Table of contents is created and added onto the draft. The page is reveiwed by both Seth and Josh. | | | |

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| **Task Title:**  SD-Doc: Draft Introduction page | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Brigs (100%) | | | |
| **Description:** Create a page that provides a small introduction to the problem and what we will be delivering and how it solves the problem. It should provide an introduction/background on the client and business area along with brief overview of requirements. | | | |
| **Expected Outcome:** Introduction page is added and is reviewed by Josh, Seth, and Brandon. | | | |

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| **Task Title:**  SD-Doc: Draft Implementation Overview | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Josh (100%) | | | |
| **Description:** Discuss the product we are building to solve client’s problem and introduce the approach we are taking. Mention tools and techniques we will be using. | | | |
| **Expected Outcome:** Implementation overviewpage is added and is reviewed by Josh, Seth, and Brandon. | | | |

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| **Task Title:**  SD-Doc: Draft high-level architectural diagram of system | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Josh (100%) | | | |
| **Description:** Create high-level architectural diagram of system | | | |
| **Expected Outcome:** Diagram of the high-level architectural system is added and reviewed by Josh, Seth, and Brandon. | | | |

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| **Task Title:**  SD-Doc: Draft Implementation Plan | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Champ (100%) | | | |
| **Description:** Provide a big picture of the project that also mentions the key tools that are going to be used. | | | |
| **Expected Outcome:** Implementation plan page is added and is reviewed by Josh, Seth, and Brandon. | | | |

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| **Task Title:**  SD-Doc: Draft Conclusion page | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Brandon (100%) | | | |
| **Description:** Reference the big picture of the project and summarize main points and how it contributes to the bigger picture | | | |
| **Expected Outcome:** Conclusion plan page is added and is reviewed by Josh, Seth, and Brandon. | | | |

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| **Task Title:**  PCI-Prototype-Frontend: Add Brandon to team website | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Seth (100%) | | | |
| **Description:** Add picture of Brandon to the team website | | | |
| **Expected Outcome:** Pull request is created, reviewed, and accepted. Changes are deployed onto the NAU server. | | | |

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| **Task Title:**  PCI-Prototype-Frontend: Condense contexts and implement a reducer | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Seth (100%) | | | |
| **Description:** Condense down the multiple contexts and implement a reducer to streamline code base | | | |
| **Expected Outcome:** Pull request is created, reviewed, and accepted. | | | |

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| **Task Title:**  Team-Website: Update Gantt chart on Resources page | **Task Initiation:**  1/13/2021 | **Orig. Due Date:**  1/26/2021 | **Status:**  In Progress (0%) |
| **Who (%):** Seth (100%) | | | |
| **Description:** Add Gantt chart onto team website | | | |
| **Expected Outcome:** Pull request is created, reviewed, and accepted. Changes are deployed onto the NAU server. | | | |

### Upcoming Tasks: Planning

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| **Task Title:** Create UML diagrams for Modules | **Who (%):** Brigham (20%), Champ (20%), Josh (20%), Seth (20%), Brandon (20%) | **Rough Due Date:** 1/31/2021 |
| **Description:** Create and design UML diagrams for the necessary modules of our system. | | |

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| **Task Title:** Integrate CAS into front end | **Who (%):** Brigham (50%), Seth (50%) | **Rough Due Date:** 2/2/2021 |
| **Description:** Integrate CAS as the login page for the front end application | | |

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| **Task Title:** Connect IoT device and Backend | **Who (%):** Champ (33%), Josh (33%), Brandon (33%) | **Rough Due Date:** 2/2/2021 |
| **Description:** Connect IoT device and Backend together and ensure data flows appropriately. | | |

### Other Problems / Other Issues:

* No problems or issues so far.