Sprint: 1

From: 04/08/2024 – 04/19/2024

# Team: ERA: Emergency Response Assist

|  |  |  |
| --- | --- | --- |
| **Team Member** | **Tickets** | **Points** |
| Jatin Madan | 2 | 8 |
| Vaishnavi Sunil Desai | 1 | 4 |
| Isha Ghiria | 1 | 2 |
| Sharvesh Patki | 1 | 4 |

# Sprint Overview:

|  |  |  |  |
| --- | --- | --- | --- |
| **Planned** | | **Completed** | |
| **Items** | **Points** | **Items** | **Points** |
| 5 | 18 | 3 | 10 |

# 

# Sprint Retrospective:

* What have you done during this sprint?
  + Jatin Madan
    - Jatin worked on finalizing the Architecture of the ERA system, identifying all 7 submodules that will be implemented to complete the functionality of the system.

A diagram of a computer system

Description automatically generated

* + - Jatin also worked on creating a simulation software that would generate Wi-Fi Access point logs to simulate a real-world User Traffic across a building plan.

A screenshot of a computer program

Description automatically generated

* + Isha Ghiria
    - Isha worked on creating Mockups for the Front-End of the ERA System, Designing the User Input Page for the Floor Plan

A screenshot of a computer game

Description automatically generated

* + Vaishnavi Sunil Desai
    - Vaishnavi Worked on Researching the algorithms to plan the escape routes for the users in an emergency, assessing the current floor situation, identifying all blockages and finding the shortest path to the nearest exit point.
  + Sharvesh Patki
    - Sharvesh worked on identifying and analyzing the Wi-Fi access point metrics and logs to identify the metrics that will be useful for the User Triangulation Algorithm to be utilized in the ERA system to approximate device locations.

A screenshot of a computer

Description automatically generated

* What went well?
  + The team was able to successfully adopt agile methodology and implement daily sprints and setup a JIRA board to track all the issues and progress on the project.
  + The team successfully finalized the submodules required for the ERA system and created an Architectural Diagram for the same.
  + The team was able to get access and analyze the Wi-Fi Access Point logs to identify all available metrics.
* What didn't go well?
  + Jatin Madan
    - Jatin had some issues identifying the necessary submodules and simplifying the ERA Architecture
  + Vaishnavi Desai
    - Vaishnavi struggled with implementing Pytorch ML Algorithms on her personal device, due to a CPU Architecture Difference and Portability not being supported at that moment.
  + Team
    - As some of the team members were working in a different time zone, we had odd timings to match and work together.
* What could/should be improved during the next sprint?
  + Updating our JIRA Board more frequently and updating all the tasks we perform on a daily basis.

# Sprint Backlog

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Type** | **Owner** | **Title** | **Status** | **Estimate** |
| 1 | User Story | Jatin Madan | Create a Simulation Software to generate Network Logs | In progress | 4 |
| 2 | User Story | Jatin Madan | Create an Architectural Diagram for ERA | Completed | 4 |
| 3 | User Story | Isha Ghiria | Create Mockups for Front-end UI | Completed | 2 |
| 4 | User Story | Sharvesh Patki | Research on Wifi Access Point Logs and Metrics | Completed | 4 |
| 5 | User Story | Vaishnavi Desai | Research on Escape Route Detection Algorithms | In progress | 4 |