Product/Team Name: Synthura
Completion Date: June 4, 2024
Revision Number: 1
Revision Date: May 22, 2024

<div align="center">

Sprint 4 Plan

</div>

Goal: Develop a minimally viable product by the end of the sprint that includes finalized video feed connectivity, ensures information extraction from the videos that meet standards, and establishes basic connection and functionality between the product and the database.

<u>**Task Listing**</u>

User Story #1: As a security guard, I want access to an advanced information feed that identifies dangerous objects in real time when I'm monitoring my cameras. [8 points]
- Create algorithms to detect potentially dangerous situations and objects [8 hours]
- Create APIS that helps with uploading the recordings from the clusters to the database and downloading the recordings from the database to the recordings page [6 hours]

User Story #2: As a general user, I want each page to have an updated UI with finalized functionality. [5 points]
- Enhance the UI functionality of the landing page to include options for linking to the recordings page and saving recordings to the database. [4 hours]
- Provide analytics of the streaming videos that give information about dangerous objects and environments. [6 hours]

<u>**Team Roles**</u>

Levi: Backend Developer/Machine Learning Engineer

Jerry: Backend Developer/Machine Learning Engineer

Zachary: Backend Developer/Machine Learning Engineer

Githika: Web Developer/ Front End/ Database Developer

Owen: Web Developer/ Front End/ Back End

Nam: Web Developer/ Front End/ Database Manager

<u>**Initial Task Assignment:**</u>

Owen - User Story 2 Task 2

Levi - User Story 1 Task 1

Jerry - User Story 1 Task 1

Zachary - User Story 1 Task 1

Githika - User Story 1 Task 2

Nam - User Story 2 Task 1

Scrum Times

Team Meetings: Mondays, 9 am - 12 pm

TA Meetings: Wednesdays 12-1 pm

Scrum Board

https://trello.com/b/TtMoO0Ht/synthura-scrum-board

Burnup Chart