Sprint 1 Plan Synthura

- **Goal:**
    - The team's main focus is to establish the basic web framework for connecting cameras and displaying feeds. Begin development on basic object and motion detection.
- **Task Listing, organized by user story:**
    - User Story: (1) I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking. [4]
        - Tasks:
            - Design Figma [Time estimate: 1 hour]
            - Set up Git [Time estimate: 15 mins]
            - Design front-end User interface:
                - Landing page [Time estimate: 1 hour]
                - a google user log in [Time estimate: 2-3 hours]
                - environment drop down on left side [Time estimate: 4-6 hours]
            - Train model for basic object and motion detection.
                - setting up machine learning models for object and motion detection. [Time estimate: 10 hours]
                - Implementing computer vision capabilities. [Time estimate: 10 hours]
                - Helping facilitate connection of models to the web page. [Time estimate: 5 hours]
    - User Story: (2) I want an info feed where I can see present items and detect motion. [2]
        - Task: set up front-end user interface based on Figam design
            - Feed viewing page [Time estimate: 15-20 hours]
            - Recordings Page [Time estimate: 5-7 hours]

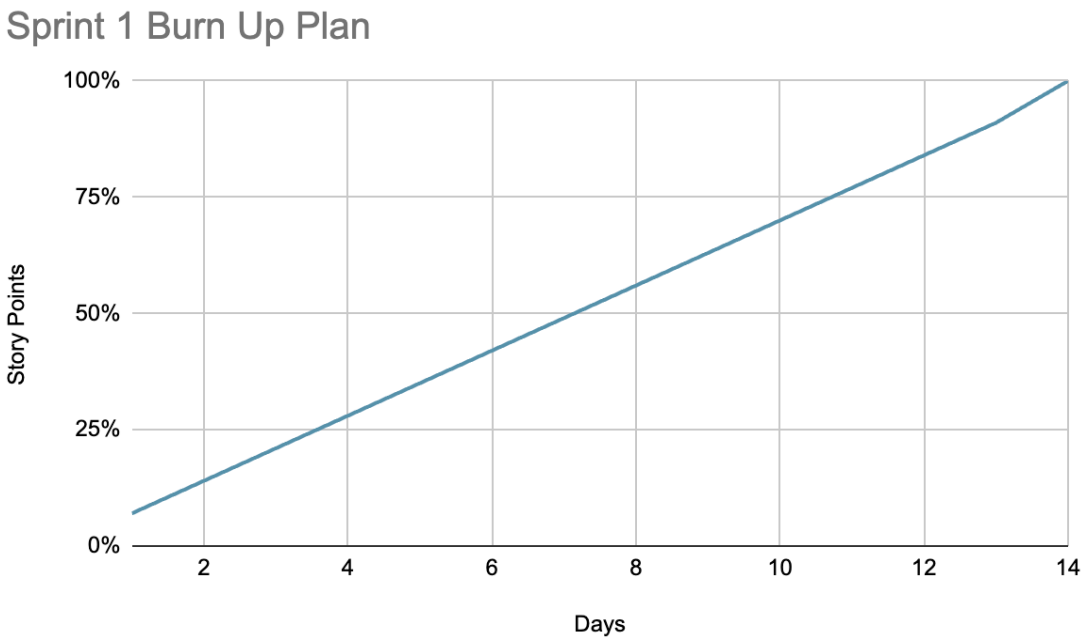
    - User Story: (3) I want to be able to connect multiple cameras for my easily accessible security cluster, using the feature of add / delete camera, and then connect / disconnect camera. [5]
        - Tasks:
            - Connect cameras to website [Time estimate: 5 hours]
            - Set up front end UI to add/delete cameras [Time estimate: 2 hours]

- **Team roles:**
    - Githika: Designer/Web Developer Front End
    - Owen: Web Developer Front End/Back End
    - Nam: Web Developer Front End/Back End
    - Levi: Machine Learning Developer
    - Jerry: Machine Learning Developer

    - Zachary: Machine Learning Developer

- **Initial Tasks**
    - Githika:
        - User Story: I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking.
        - Initial Task: Design figma
    - Owen:
        - User Story: I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking.
        - Initial Task: Begin making UI of main page
    - Nam:
        - User Story: I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking.
        - Initial Task: Begin making UI of recordings page
    - Levi:
        - User Story: I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking.
        - Initial Task: Focus on setting up machine learning models for object and motion detection.
    - Jerry:
        - User Story: I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking.
        - Initial Task: Work on initial setup for object detection alongside Levi.
    - Zachary
        - User Story: I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking.
        - Initial Task: Assisting in the ML/CV algorithm connection to the web application.

- **Burnup Chart:**



- **Initial scrum board**:

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User Stories	Tasks not started	Tasks in progress	Tasks completed
I want a website where I can login via google, connect my camera, and have detailed object labeling and tracking		Design Front end UI components (Google Auth, Environments side bar, Landing Page) Train models for basic object recognition (Setting	Design Figma Set up Git

		up Machine Learning models for object and motion detection, implementing computer vision capabilities, facilitate connection of models to web page)	
I want an info feed where I can see present items and detect motion.		Set up Feed viewing page Set up recordings page	
I want to be able to connect multiple cameras for my easily accessible security cluster, using the feature of add / delete camera, and then connect / disconnect camera.	Connect cameras to website Set up front end to delete/add a camera		

- **Scrum Timings:**
    - Monday, Friday: 9am - 12 pm
    - Wednesday: 9am - 1 pm (TA meeting with Michelle from 12pm - 1pm)