

User Story

- 1.1.1. As a user, I want to detect and access the magnometer so that I can gather magnetic field data
- 1.1.2. As a user, I want to detect and access the accelerometer so that I can gather acceleration data
- 1.1.3. As a user, I want to detect and access the gyroscope so that I can gather orientation and angular velocity data
- 1.1.4. As a user, I want to detect and access the microphone so that I can gather audio
- 1.1.5.As a user, I want to detect and access the barometer so that I can gather pressure
- 1.1.6. As a user, I want to detect and access the camera so that I can gather visual data
- 1.1.7. As a user, I want a list of available sensors on my device so that I can pick which I want data collected from
- 1.1.8. As a user I want to pick which sensors collect data so that I can tailor the collected data to my experiment
- 1.2.1. As a user I want to collect direction from the magnetometer so that I have this data for my experiment
- 1.2.2. As a user I want to collect acceleration from the accelerometer so that I have this data for my experiment
- 1.2.3. As a user I want to collect rate of rotation from the gyroscope so that I have this data for my experiment
- 1.2.4. As a user I want to collect pressure from the barometer so that I have this data for my experiment
- 1.2.5. As a user I want to collect sound from the microphone so that I have this data for my experiment
- 1.2.6. As a user I want to collect video from the camera so that I have this data for my experiment
- 1.2.7. As a user I want to only collect data from selected sensors so that I can tailor the collected data to my experiment
- 2.1.1. As a user I want to label data from a list of labels so that I can keep track of which data relates to different aspects of my experiment
- 2.1.2. As a user I want to label data with a new label so that I can tailor the labels to my experiment
- 2.2.1. As a user I want to generate and update a graph for magnetometer direction in real-time so that I can view my collected data
- 2.2.2. As a user I want to generate and update a graph for acceleration in real-time so that I can view my collected data
- 2.2.3. As a user I want to generate and update a graph for gyroscope rate of rotation data in real-time so that I can view my collected data
- 2.2.4. As a user I want to generate and update a graph for barometer pressure in real-time so that I can view my collected data
- 2.2.5. As a user I want to generate and update a graph for microphone data in real-time so that I can view my collected data
- 2.2.6. As a user I only want to generate graphs for selected sensors so that I don't wast space with empty graphs
- 3.1.1. As a user I want to store the collected magnetometer direction so that I can use it later
- 3.1.2. As a user I want to store the collected acceleration data so that I can use it later
- 3.1.3. As a user I want to store the collected rate of rotation data so that I can use it later
- 3.1.4. As a user I want to store the collected pressure data so that I can use it later
- 3.1.5. As a user I want to store the collected audio data so that I can use it later
- 3.1.6. As a user I want to store the collected videos so that I can use them later
- 3.1.7. As a user I only want to store data for selected sensors so that I don't have any unnecessary datasets
- 3.2.1. As a user I want to generate a CSV file with data that can be stored in this format so that I can export my data
- 3.2.2. As a user I want to export a CSV file with data that can be stored in this format so that I can have my data on other devices
- 3.2.3. As a user I want to export data that can't be stored in a CSV file so that I can have ALL my data on other devices

Estimated work remaining

Actual work remaining

Start	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7	Sprint 8
8	2	0	0					
8	2	4	0					
8	2	0	0					
8	2	4	0					
8	2	0	0					
8	2	0	0					
21	3	3	0					
5	0	0	0					
8	0	0	0					
8	0	4	0					
8	0	0	0					
8	0	0	0					
8	0	4	0					
8	0	0	0					
21	0	3	0					
13	0	0	2					
8	0	0	2					
13	5	0	2					
13	5	0	2					
13	5	0	2					
13	5	0	2					
13	5	0	2					
13	2	0	2					
8	0	0	0					
8	0	0	0					
8	0	0	0					
8	0	0	0					
8	0	0	0					
13	0	0	0					
13	0	0	5					
13	0	0	5					
13	0	0	0					
342	299.25	256.5	213.75	171	128.25	85.5	42.75	0
342	300	278	252					

