



GUI: The user will enter x,y,z components into the GUI that will be either JavaScript or Processing.

Error: If the Ethernet is not connected or the board, then it will return a message said that connect the Ethernet.

Hub: 1. The x,y,z coordinates will send values to the HyperDrive to move to that certain coordinates.

2. It will receive package from Sensor Package to upload to GoogleSheets.

Error: If the Hub doesn't receive a package from the sensor package, then publish to GoogleSheets that Invalid in Sensor Package.

HyperDrive/HyperRail: 1. Receive coordinates values and moves to that certain position.

2. Send coordinates value to Sensor Package.

Error: If HyperDrive/HyperRail doesn't communicate with the Hub, then return a message that there is a communication issue.

Sensor Package: 1. Receive coordinates values and record that certain position.

2. Measure Sensor values with RTC.

3. Log to SD

4. Send package to the hub

Package information: RTC, Sensors values, Coordinates, (ignore the package number)

Error: If the Sensor Package doesn't communicate with the HyperRail/HyperDrive for a certain time amount, then send a message that it moved to the position or same position from previous (The user needs to enter the coordinates on SD and GoogleSheets) to the Hub x,y,z coordinates.

GoogleSheet: The hub will send the package over Ethernet to publish on GoogleSheets.

Error: If the Ethernet is not connected or the board, then it will return a message said that connect the Ethernet.