

Pico_M5Stick_UART

Functional Requirements	The dashboard needs to send X and Y coordinates to m5stickc plus.
Test Data	User will input X and Y coordinates to the dashboard. An example will be X is 5 and Y is -3.
Expected Outcomes with Selected Test Input	M5Stickc will show the coordinates on the screen. The data will be printed on the serial terminal.
Computed Expected Results	Satisfied expected outcome

Functional Requirements	The dashboard should display speed, distance, elevate degree, barcode data given by different modules from Pico.
Test Data	Simulated data send from Pico
Expected Outcomes with Selected Test Input	The dashboard displayed the real time data.
Computed Expected Results	Satisfied expected outcome

MSP432_M5Stick_UART

Functional Requirements	The dashboard needs to send X and Y coordinates to m5stickc plus.
Test Data	User will input X and Y coordinates to the dashboard. An example will be X is 5 and Y is -3.
Expected Outcomes with Selected Test Input	M5Stickc will show the coordinates on the screen.
Computed Expected Results	No, we did not integrate the web application with m5stick for MSP432

Functional Requirements	The dashboard should display speed, distance, elevate degree, barcode data given by different modules from MSP432.
Test Data	Simulated data send from MSP432
Expected Outcomes with Selected Test Input	The dashboard displayed the real time data.
Computed Expected Results	No, we did not integrate the web application with m5stick for MSP432

Pico_HC05_UART

Functional Requirements	The dashboard needs to send X and Y coordinates to Bluetooth
Test Data	User will input X and Y coordinates to the dashboard. An example will be X is 5 and Y is -3.

Expected Outcomes with Selected Test Input	M5Stickc will show the coordinates on the screen. The data will be printed on the serial terminal.
Computed Expected Results	No. Unable to connect to MQTT broker.

Functional Requirements	The dashboard should display speed, distance, elevate degree, barcode data given by different modules from HC05.
Test Data	Simulated data send from HC05
Expected Outcomes with Selected Test Input	User will input X and Y coordinates to the dashboard. An example will be X is 5 and Y is -3.
Computed Expected Results	No. Unable to connect to MQTT broker.