SYSEN 5411 Fall 2025

Jonathan Lloyd

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**Lab 4 Report – Webserver**

Video demo: <https://youtu.be/iAObVzKCHQA?si=hVCX_z4q7qrNRCyQ>

“Safe” Button Discussion:

I created a global state Boolean that was set to True during maneuvers and False at rest.

While the robot is maneuvering, it isn’t possible to set new destination vectors per the following logic. The video shows that while the robot was in motion, the input field did not clear, denoting that the new destination was not passed in. The console only read the new destination once the robot stopped moving, the flag set to false, and I hit send again.

A screenshot of a computer program

AI-generated content may be incorrect.

Time Spent/AI Usage:

I spent maybe 5 hours on this lab. My code isn’t terribly elegant but it works. I didn’t use AI on this lab.