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Mobile Robotics Lab 3 writeup

Our video is available at: <https://youtu.be/IGxx6qrFtLw>

our code can be found at: https://github.com/wnourse05/eecs476_alpha/tree/master/lab3alpha

For this lab, we made minimal edits to our work from PS3. For the service, the only real change was lowering the movement speed to be more realistic for the turtlebot. In the client, we modified the list of poses to cover a smaller distance so that it is easier to move in the lab. With all of the nodes, we changed the topic names to the corresponding ones for the turtlebot.

Our only difficulty was setting up the initial communications with the turtlebot deeplearning02w, but these difficulties were swiftly resolved.