Thank you for the review , please refer to the attached images below for the marker addition and navigation for pick up and drop off .

NOTE: on my machine i was missing the python package rospkg

So i had to run

Pip install rospk

The series of events and the logic have been modified to enable the requirement that i misunderstood to take place

Packages explanation

slam_gmapping

The gmapping package gives SLAM capabilities ,
By the name of slam_gmapping.
It has the ability to create a 2-D occupancy grid map of a given world all from the laser scanning

The turtlebot

Ia s package that gives all the required tools and classes to run the TurtleBot.

Add_packages

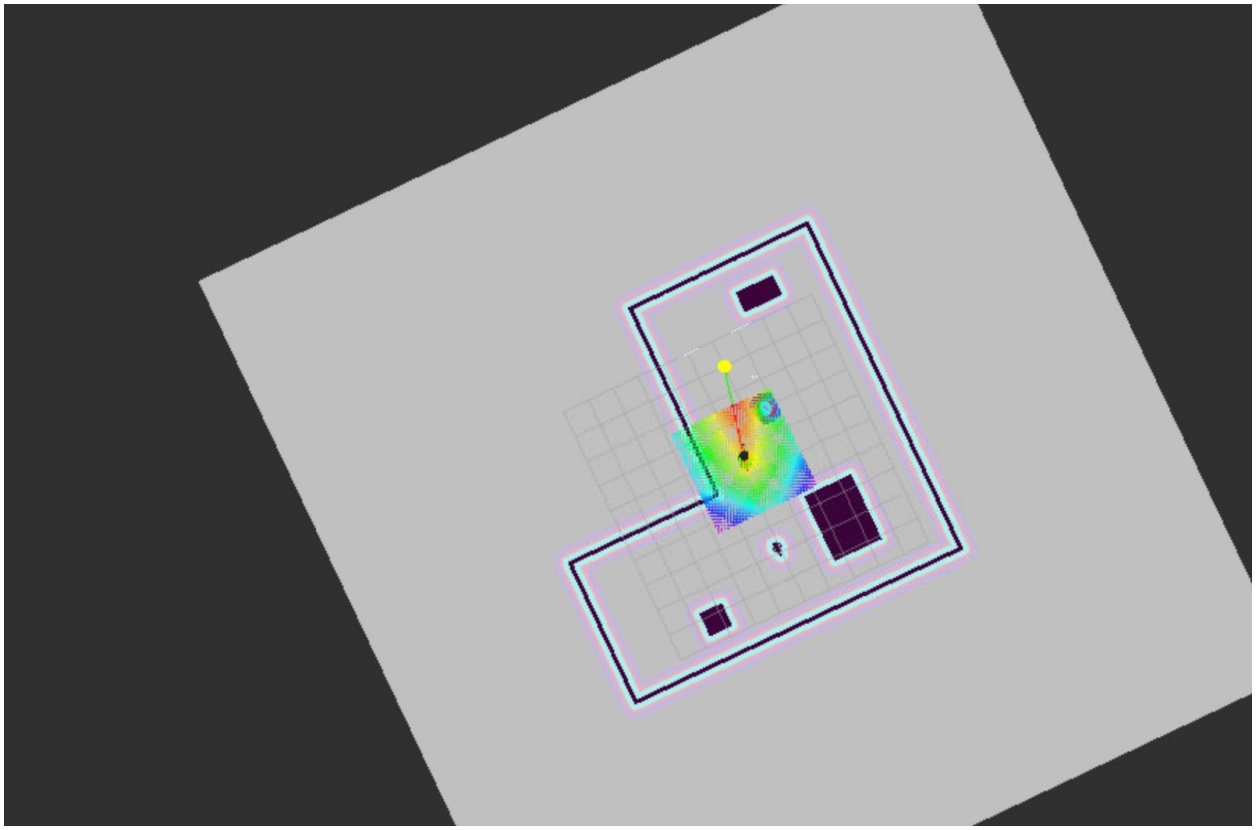
Includes the source for the a ros node that communicates through the odom topic to act accordingly in regards to adding the marker of pick up and drop off

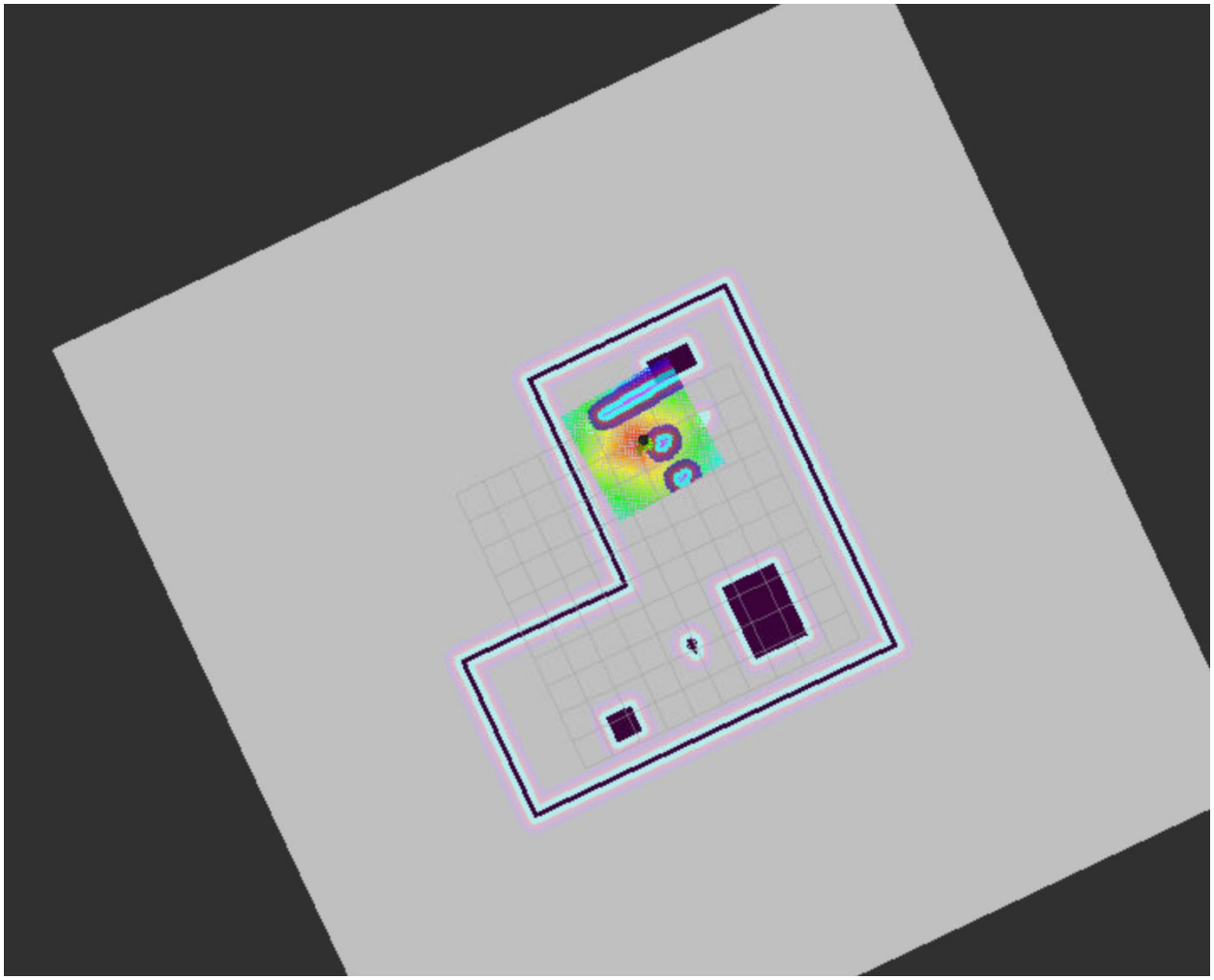
Pick_object

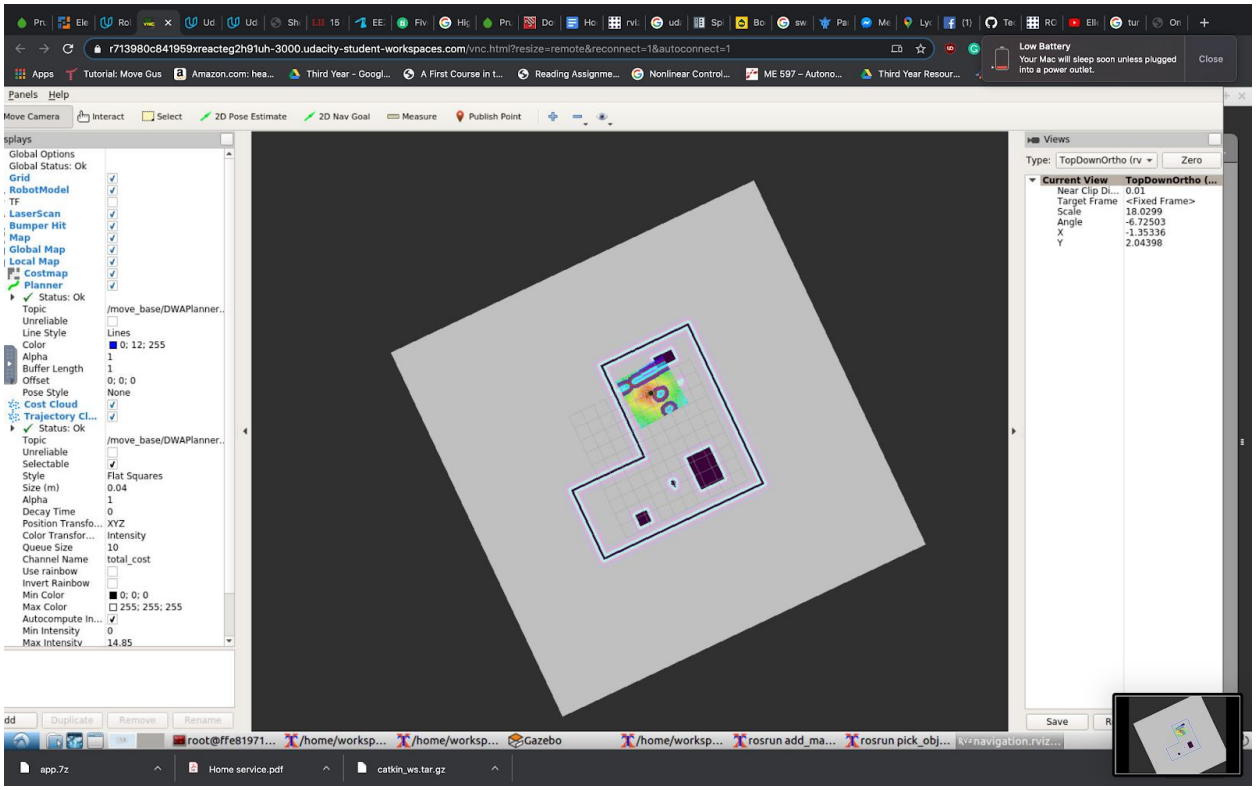
Includes the source for the a ros node that uses the turntable bot driver to act accordingly in regards to moving and changing coordinates of pick up and drop off

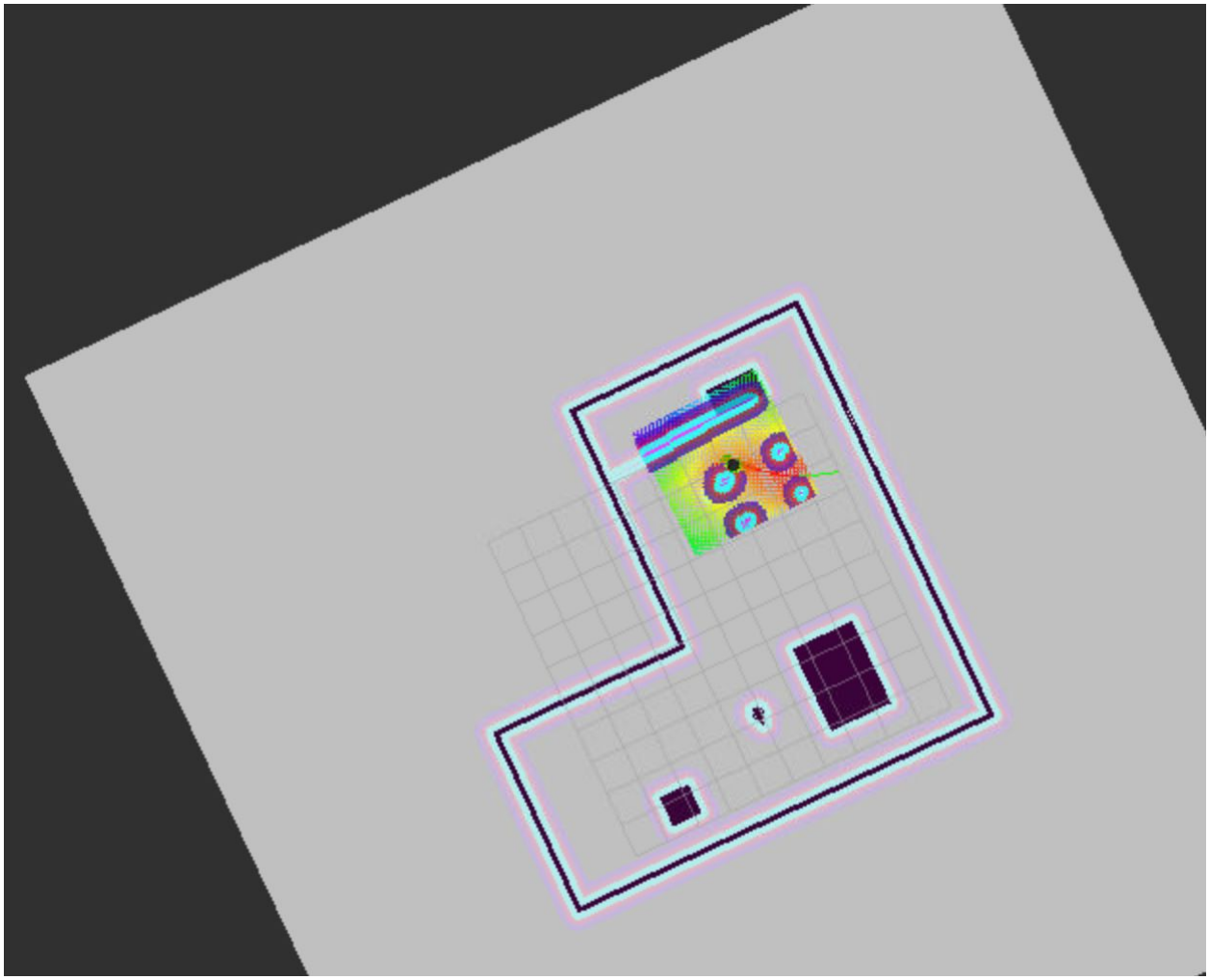
Turtlebot_interactions and Turtlebot_simulator

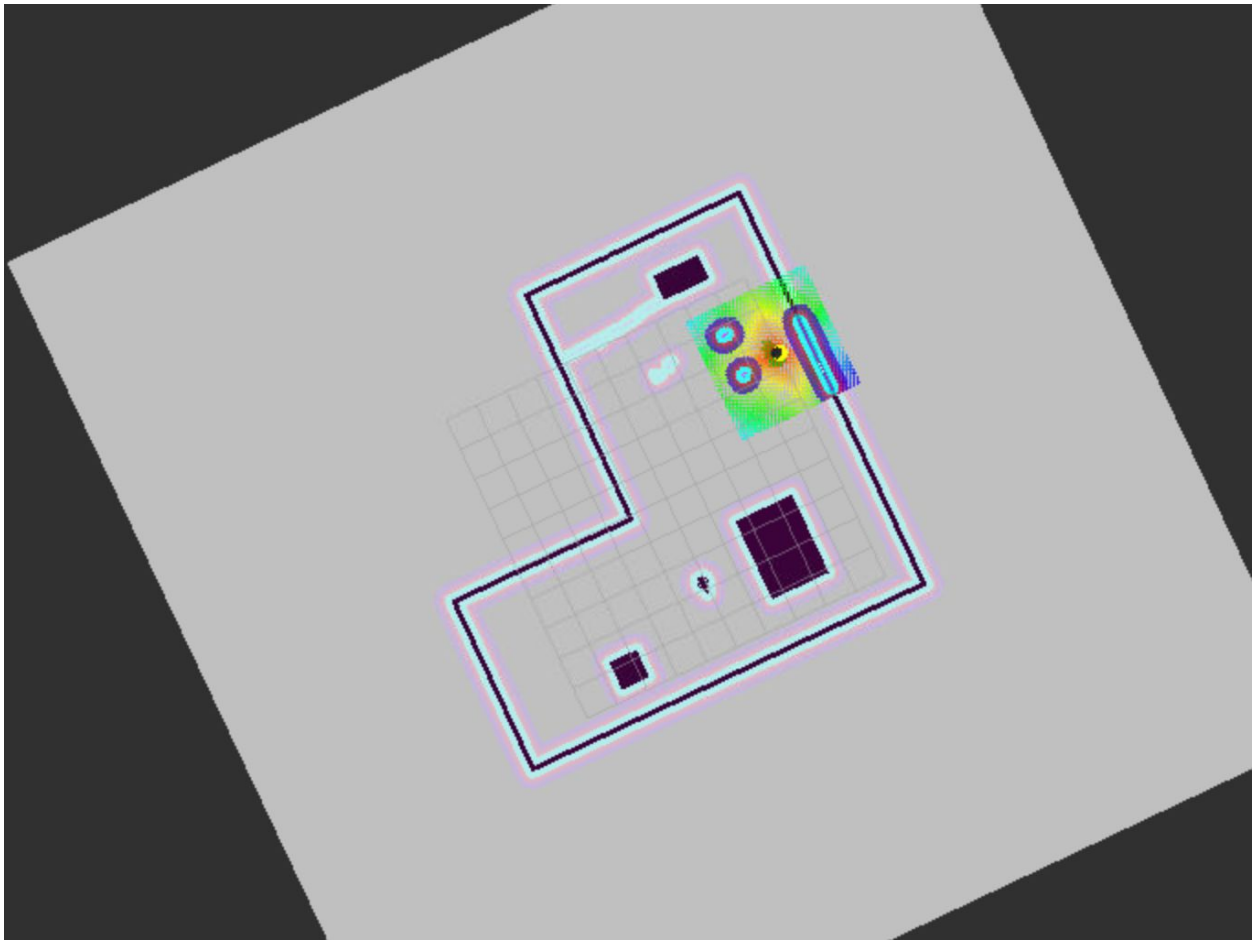
Packages used to support the turtlebot package in regards to simulation and rviz launching

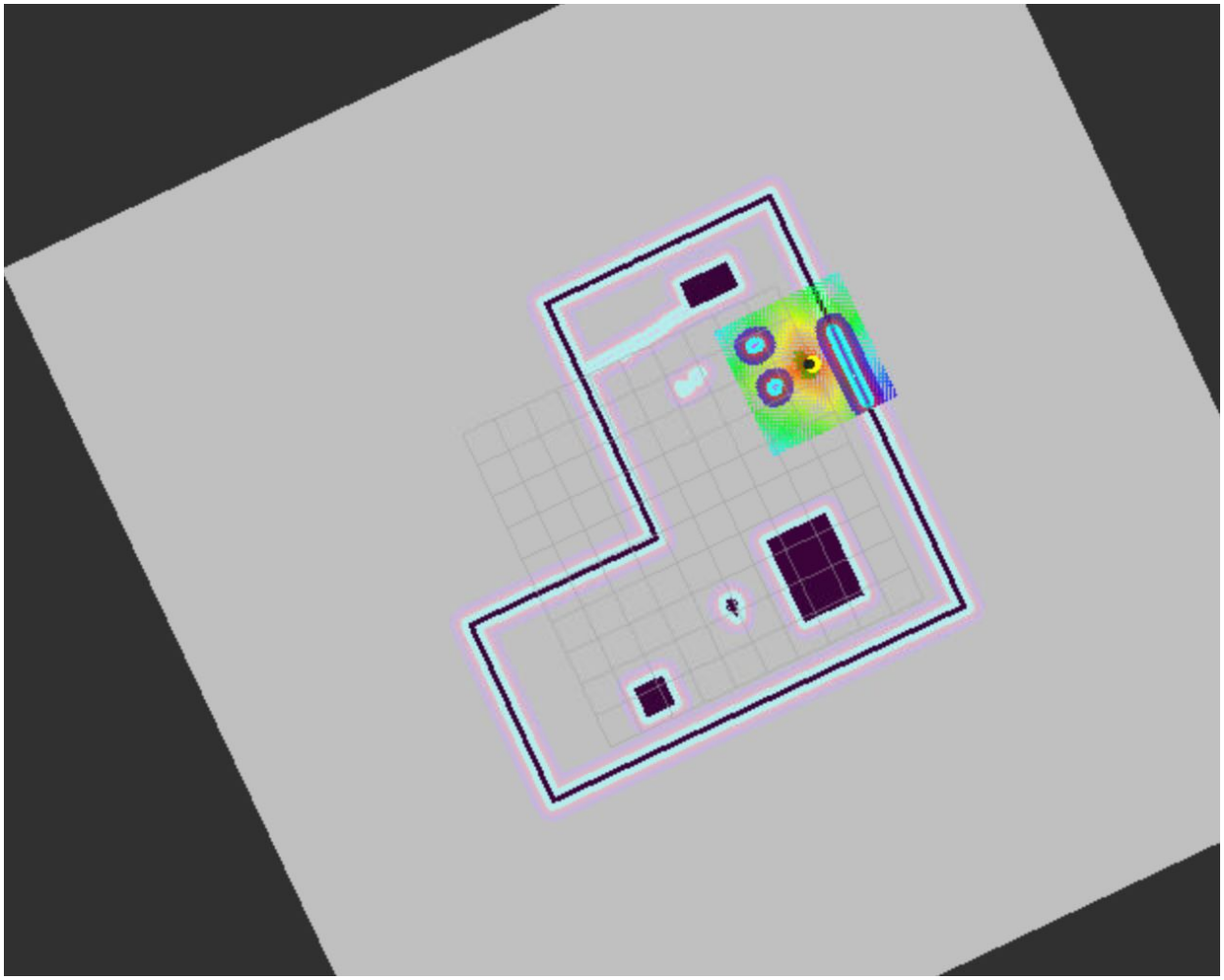


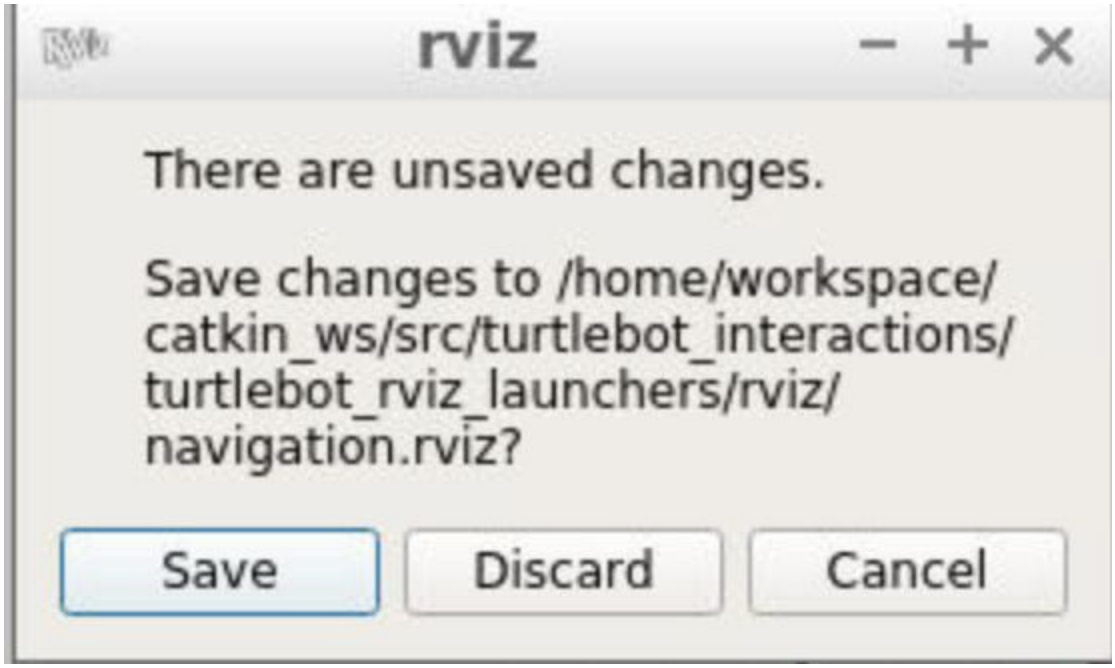



r713980c841959xreacteg2h91uh-3000.udacity-student-workspaces.com/vnc.html?resize=remote&reconnect=1&autoconnect=1
Low Battery
Your Mac will sleep soon unless plugged into a power outlet.
Close
Panels Help
Move Camera
Interact
Select
2D Pose Estimate
2D Nav Goal
Measure
Publish Point
Views
Type: TopDownOrtho (rv
Zero
Save
root@ffe81971...
/home/worksp...
Gazebo
rosrun add_ma...
rosrun pick_obj...
app.7z
Home service.pdf
catkin_ws.tar.gz








rviz
There are unsaved changes.
Save changes to /home/workspace/
catkin_ws/src/turtlebot_interactions/
turtlebot_rviz_launchers/rviz/
navigation.rviz?
Save
Discard
Cancel