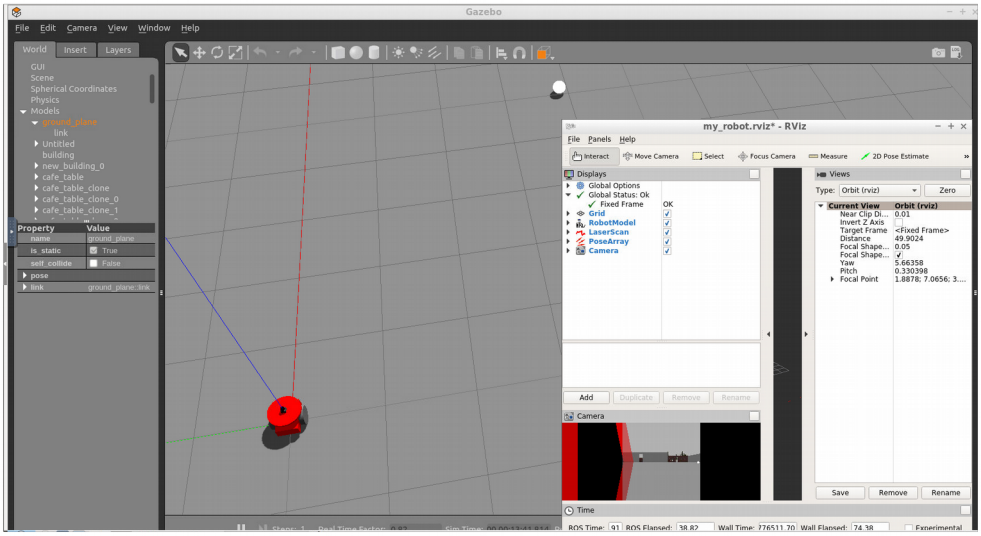
Write-up

Hi, I'll explain briefly about the different packages that I include in my Ball chaser robot, by the way.. this project is based on the Go Chase it project that I submitted on Feb 28th 2019 as a part of the Robotics Nano degree, however substantial structure and code have been modified/improved by using the new c++ concepts that I learned on the CppND such OOP: classes, Memory Management: References, and others.

All the contents of the project that I am submitting can be found at two locations into the Udacity workspace: /home/workspace/catkin_ws/src and /home/workspace/Capstone_project. It would be easier to access by the catkin directiry: catkin_ws/src/scripts and just run ./ball_chaser.sh. *Please refer to the readme.txt file.

The purpose of this project is to develop a program that lets a differential Robot placed inside a Gazebo world to chase a white ball by using two c++ nodes: drive_bot and process_image. The user can place or manipulate the white ball by using gazebo and so far as the robot can see the white ball it will follow it. You can visualize the robot's camera by using the rviz (Its already configured).



Other packages. I actually also created an additional package for the rviz configurations folders. Just for convenience since it can be searched by ROS find package instead of using a Path that probably is not going to work in a different environment/workspace.

Thank you!

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