For the final task you'll be making your very own bot from scratch.

Task 1: Make a simple mira robot in rviz. Control the joint values, make a tf tree.
For reference:https://youtu.be/UUwHK5ONTAQ

Task 2:
Make a teleop robot(skid steer or differential drive) you have to make the bot teleop using keyboard in gazebo.
For reference:
Morgan Quigley chpt wanderbot
 Gazebo tutorials
http://gazebosim.org/tutorials?tut=ros_gzplugins