Robot Design Lab
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Group: 7

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Worksheet 1

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1 Bringing up the simulation

1.1 Robot movement via teleoperation

All movement commands are executed continually until another command is given.

u	Drive forwards while steering to the left.
i	Drive forwards.
o	Drive forwards while steering to the right.
j	Rotate to the left on own axis.
k	Stop all movement.
l	Rotate to the right on own axis.
m	Drive backwards while steering to the left.
,	Drive backwards.
.	Drive backwards while steering to the right.

Table 1: Table for steering commands

1.2 Pictures!

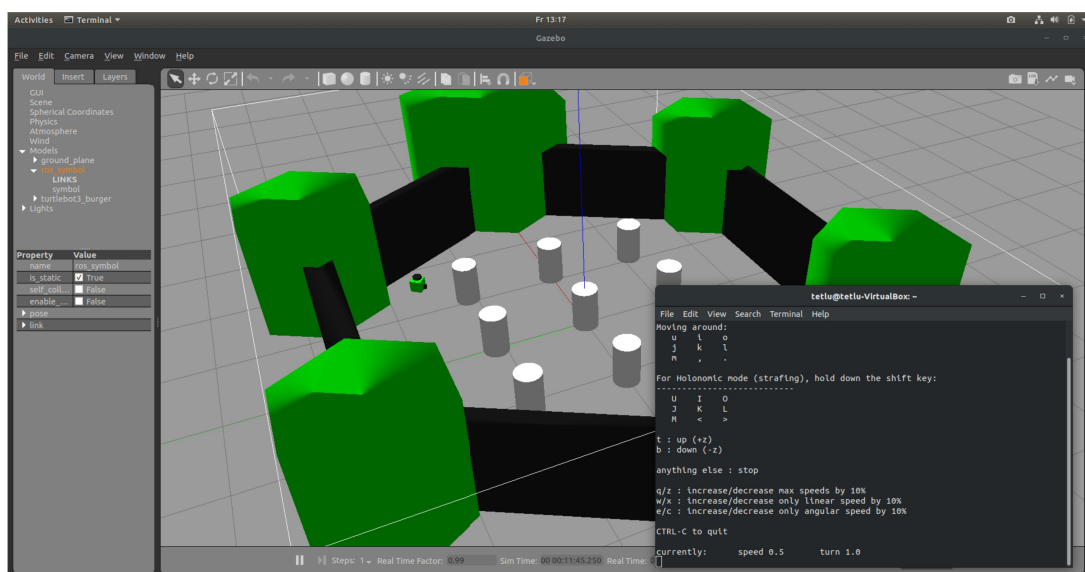Here is a picture of the turtlebot robot in a gazebo simulation at the top left arena pillar:

Figure 1: Turtelbot 3 burger (representative model).