Before Experiment Begins

PR2 Startup: Turn on robot's power switch

In robot ares account:

1. ssh (your username)@ares-c1.lids.mit.edu (then enter password)
2. robot claim
3. robot start
4. press green button
5. rosrun sound_play soundplay_node.py

In original Ubuntu account:

1. rosrun pr2_dashboard pr2_dashboard (then reset the robot)
2. roslaunch pr2_arm_navigation_kinematics pr2_ik_larm_node.launch
3. rosrun pr2_tuckarm tuck_arms.py -r t -l u (right arm tucked, left arm untucked)
4. roslaunch pr2_pickplace_startup.launch
5. python publishRobotPose.py
6. rosrun rviz rviz (then 2D pose estimate)
7. roslaunch pr2_teleop teleop_keyboard.launch (until white dots are aligned with map)
8. rosrun sound_play soundListener.py

In Windows

1. Run Main.java in Eclipse (Starts server and has experiment logic)
2. Open cmd and cd into C:/jetty (you should put test/ from the code base into jetty/webapps/ after downloading Jetty, the test folder should have index.htm inside)
3. java -jar start.jar
4. Open on Chrome: localhost:8080/test (Connects the human client to server)

In Ubuntu

1. Open terminal and cd to sandbox/
2. python stateMachine_lefty_fireTask.py (Connects the robot client to the server)

In Windows

1. In Eclipse, type the participant's name
2. Then, type experiment condition (BH, BQ, or PQ)

When Participant Arrives

1. Give consent form and ask them to sign
2. Go through powerpoint instructions for the game
3. Have participants do training and testing phases
4. Give participants Amazon gift card

After Experiment Finishes

PR2 Shutdown, In robot ares account:

1. robot stop
2. robot release
3. sudo pr2-shutdown