

Homework 1

Robotics Seminar

Robotics Programming - Robert Salkin

CSI445/660 - Spring 2008

University at Albany, SUNY

Due: 2/13/08 @ 4:15pm

Goal:

To ensure a successful install of Tekkotsu and practice making a simple behavior.

Detail:

Please do the following:

1. Install Tekkotsu (with OPEN-R-SDK, Java, etc.)
2. Copy the Tekkotsu "project" into your development directory.
3. make newstick
4. make install
5. Check for errors and fix them – shouldn't be any if install went ok!
6. Create a "hello world" type of behavior called "Behavior*memsticknumber.h*" to output (to standard out) "Hello *StudentNames!*" when the behavior is started, "Bye *StudentNames!*" when the behavior is stopped, and button and status information of any button event generated by interacting with the AIBO.
7. make install
8. Test your newly created behavior on an ERS-7 with the ControllerGUI.

Hints and Reminders:

- Don't forget to mount and umount the memstick, if necessary.
- You must telnet into the AIBO to see standard output.
- Remember to add your behavior to StartupBehavior_SetupModeSwitch.cc
- Comment and indent well.
- Include your names at the top of the file in a comment.
- Write any instructions needed for me to add your file to my project.
- Email your .h file to salkin@cs.albany.edu and nwebb@albany.edu with the subject: "Memstick #: Homework 1"
- Demo the behavior to me at the end of the next class.