CS230/330: Project 5
End of the Road

Handed out: Friday, May 19, 2000
Due: Wednesday, May 31, 2000, 11:59 p.m.

1 Assignment

Well, you have reached the end of the road for the kernel project. In this final project your task is simple–debug everything that is still broken, clean up your kernel, and test everything. Specifically, you should do the following:

- Fix all system calls that are still broken.
- Remove any spurious output messages from your kernel so that it does not print screens and screens of debugging information.
- Clean up your kernel as much as time allows.
- Make sure your kernel loads and runs a single program named 'init' when it starts.
- Try to pass as many of the published tests as possible.

Please note that due to time constraints, we will not be implementing the flash card device. If you are particularly masochistic and want to give it a try, go for it. However, none of your final grade will depend on supporting this most insidious device.

2 Logistics and Grading

This project must be handed in via CVS. Make sure that all of your source files, Makefile, and README files have been committed to the repository. If working in a group, the project should be committed to the repository located in `/export/home/groups/groupname`. Make sure your project name is "yalnix".

To grade your final kernel, we will run your kernel and boot it to a simple graphical testing program (ytest) that we will provide. From there, we will run a large suite of tests that exercise various features of your kernel and all of its I/O devices. Your grade will depend largely on how many of these tests your kernel is able to pass. For this part of the project all of the tests will be available in the /yalnix/tests/final directory. For the most part, these will be based on tests used for project 2 and project 3 (although additional tests will also be added).

In order to receive a passing grade for the class, your kernel must be able to boot up, run the testing tool, and pass some of the more simple tests. If you feel that you are behind, please come and see us.