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CMSI 387: Operating Systems
Doctor Johnson

Preliminary Design Document

Description of modification/addition to Linux:

For our project, we would like to implement a new terminal command (%qotd) that outputs a famous 'quote of the day.' This modification could be a new kernel command in Linux.

Rationale as to why this is a good idea:

It is often useful and inspiring to be able to search for a meaningful quote. Not only would this be a fun way to learn how to modify the Linux kernel, but it is also a modification that people would be interested in using. The daily variation between quotes would encourage users to utilize their terminal more often. Hopefully, users will be excited to hear the new quote, and in the process get more comfortable with navigating the command line.

Preliminary list of Linux modules that would be modified/affected:

We have found Fortune, a popular Linux command that displays a random motivational quote. We will be modifying this existing command to ensure that the quote displayed is consistent throughout a single day. Each day the quote to display will be updated. Additionally, certain kernel modules that relate to all other existing modules (such as lsmod) would clearly be affected by the creation of a new module.

http://software.clapper.org/fortune/

Preliminary list of any modules that you would create:

[n/a]