Overall Project Description:

Using a *nix environment, create a C++ (or C) command line program that will be able to accept any existing command provided by the system you are using and at least 5 new commands created by you.

Name your terminal program FMLterm.cpp. Name its executable as FML. Display your terminal prompt as FML$. FML should not take parameters. Upon execution of FML, provide a prompt for the user to type in commands. FML should accept any commands accepted by the system you are using and at least 5 additional commands created by you. Code for the 5 commands will exist in 5 separate cpp files and will compiled and built into 5 different executable files (all distinct from FML – that is, do you embed your code into FMLterm.cpp). If the user types in a command not recognized, provide an appropriate message (message will be provided by system when calling existing system commands).

New command guidelines:

At least 3 of the 5 new commands should take arguments.

At least 3 of the 5 new commands should do something unique and useful to a terminal user.

One command should be FMLhelp. This command should list all of your new commands to the user.

One command should be FMLman. This command should provide man pages for the new commands you create.

Documentation:

Each file you use should have an appropriate header with your name, course and project information, and a description of the file itself.

Each major section of documentation and code should be separated clearly with a row of characters and appropriate whitespace.

Your code should have enough inline comments that another student from another class with similar ability could understand your code.

If you use code from another source that your brain, document where appropriate.

Submission:

Upload source code to Drop Box in Angel (due Thursday, October 24, prior to 11:00 am).

You will demonstrate your project in class to your instructor (due in class Thursday, October 24, 11:00 am).

Note: If using a C compiler, name files appropriately.
Note: Replace FML with your First, Middle, and Last initials.