Charlie Ang

May 11, 2016

CSC 3350

Lab 4

**Instructions for running S\_MAKE:**

* Make sure S\_MAKE.exe and your script file is in the directory in which you want to run S\_MAKE
* On the command line, execute S\_MAKE with your script filename on the command line (S\_MAKE project-script-filename)

**Summary:**

This lab was both challenging and useful. The tough part about this lab was getting processing the script file and making sure the program does the correct operations in order to check if target/dependent line is up to date. Otherwise, we have to execute command lines that immediately follow the target/dependent line. There were a lot of cases to look out for and that was quite challenging as it was hard to get all the cases to work properly. In doing this lab, I think the most important thing I learned was how to command line programs from within the program itself. This utilized the CreateProcess and it was pretty neat to see it work. Another thing I learned was how to parse through an input file using strtok. This was much easier than using cstring arrays to parse through since the strtok function automatically parses strings for you, given the delimiter you want to use. All in all, this was a challenging lab and that lab works fine. It was a fun experience to work on this lab.