CMSC 125 Course Project

You are going to implement a kernel interface; that is, in Linux, the Terminal; or in Windows, the Command Prompt, hereafter will be called as the "shell". You shall implement this using the C programming language only. Below are some commands that you should be able to implement in your Shell (meaning minimum requirements, there is no hindrance for you not to implement additional features, but at the very least, you should be able to implement everything stated below):

CD Displays the name of or changes the current directory.

CHDIR Changes the current directory.

CLS Clears the screen.

CMD Starts a new instance of the command interpreter.COPY Copies one or more files to another location.

DATE Displays or sets the date.DEL Deletes one or more files.

DIR Displays a list of files and subdirectories in a directory.

MKDIR Creates a directory.

MOVE Moves one or more files from one directory to another directory.

RENAME Renames a file or files. **RMDIR** Removes a directory.

TIME Displays or sets the system time.

TYPE Displays the contents of a text file.

Refer to the Windows Command Prompt help and experiment with the different commands for more information.

Deadline and presentation date : To be decided (tentatively after finals).

After presenting, Create and submit an executable file, as well as its source code.

Email to psesplanada@up.edu.ph with subject title:

<SURNAME> <Block> KERNEL PROJECT

Some screenshots:

```
_ | X
 C:\Windows\system32\cmd.exe - cmd
 C:\Users\paula>cd
C:\Users\paula
 C:\Users\paula>cd..
 C:\Users>chdir..
  ::\>cmd
 Microsoft Windows [Version 6.0.6000]
Copyright (c) 2006 Microsoft Corporation. All rights reserved.
 C:\>d:\
'd:\' is not recognized as an internal or external command,
operable program or batch file.
 C:\>d:
 d:\>dir
  Volume in drive D has no label.
Volume Serial Number is 782F-8042
   Directory of d:\
08/28/2013 12:00 PM

01/13/2010 04:23 PM

07/01/2010 03:30 PM

01/13/2010 04:16 PM

01/12/2011 01:50 PM

01/13/2010 04:16 PM

01/13/2010 04:16 PM

01/13/2010 04:16 PM

01/13/2010 04:16 PM

08/26/2013 01:34 AM

06/17/2012 03:22 PM

Alliance Software.ppt

10/29/2012 03:09 PM

05/21/2013 12:11 PM

04/21/2013 11:25 PM

01/13/2010 04:19 PM

06/22/2013 09:17 PM

11/12/2012 12:30 AM

07/07/2010 05:18 PM

07/26/2011 01:37 PM

08/25/2011 10:25 AM

5 File(s
                                                                     27,136 CMSC 125 Course Project.doc

CMSC 128

CMSC 132

CMSC 140

CMSC 142

CMSC 198

CMSC 21

CS 191
                                                     <DIR>
                                                     <DIR>
                                                     <DTR>
                                                     <DIR>
                                                     <DIR>
                                                     <DIR>
                                                                                     CS 191
                                                     <DIR>
                                                               247 detox.txt
1,609,216 Developing an Effort Estimation Model for
                                                     <DIR>
                                                                                     eBooks
                                                     <DIR>
                                                                                     Games
                                                              2,121,663 iPod_shuffle_4thgen_User_Guide.pdf
> Java 1.2 docs and api
                                                     <DIR>
                                                     <DIR>
                                                                                     mama
                                                             2,595,328 SEA Conference Presentation.ppt
teaching demo
undergrad SP
                          05:18 PM
01:37 PM
10:25 AM
5 File(s)
14 Dir(s)
                                                     <DIR>
                                                     <DIR>
                                                                                     UPLBGradSchool
                                                     <DIR>
                                                      6,353,590 bytes
76,234,637,312 bytes free
 d:\>_
```

```
d:\>date
The current date is: Wed 08/28/2013
Enter the new date: (mm-dd-yy) 08-28-2013
A required privilege is not held by the client.

d:\>time
The current time is: 12:04:20.28
Enter the new time:

d:\>_
```

```
d:\stype hahaha.txt
ekwipfdskdkjgkufdhgkjxcn
sdfgkdjgkfd
dfgjkdfjghkfd
dfgkjdfn
hahahaha
d:\srename hahaha.txt
The system cannot find the file specified.

d:\stype haha.txt
ekwipfdskdkjgkufdhgkjxcn
sdfgkdjdfn
hahahaha
d:\stype haha.txt
The system cannot find the file specified.

d:\stype haha.txt
ekwipfdskdkjgkufdhgkjxcn
sdfgkdjgkfd
dfgjkdfjghkfd
dfgjkdfjghkfd
dfgjkdfjghkfd
dfgjkdfjghkfd
dfgjkdfjghfd
dfgjkdfjghfd
dfgjkdfjghfd
dfgjkdfjghfd
dfgjkdfjfn
hahahaha
d:\>
```