**potatOS**

(Version 0.1)

User Manual

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# Overview of the OS

A brief description of the Operating System.

The potatOS operating system is a simple, barebones operating system (OS). As of this version of potatOS (v0.1) the OS can only perform a small handful of actions. However, in future updates, more functionality will be added. In its current state, the OS is merely an operating system simulator which runs on top of Microsoft’s Windows 10 OS. The purpose of this version is to set up a base user interface (UI) design as well as support some basic commands that a user will use (these commands will be discussed in the following sections).

# Summary of Commands

A brief description of the commands usable within the OS

In this version of potatOS (v0.1) there are seven commands which the user can enter. The commands are shown in lower case but input is not case sensitive. The commands are as follows:

* version – Displays the current version of the OS on the screen.
* displaydate –Displays the date which is held by the OS.
* setdate – Displays a prompt to allow the user to set the date held by the OS.
* restoredate – Restores the date held by the OS to the current date.
* directoryfiles – Displays all of the files in the directory of the OS.
* help – Displays a list of all of the valid commands and a brief description of each.
* exit – Closes the OS.

# Detailed Description of Each Command

A more in-depth look at each command

## version

|  |  |
| --- | --- |
| Use | The “version” command is used if, for any reason, the user would want to know which version of the OS they are currently running. |
| Example |  |

## displaydate

|  |  |
| --- | --- |
| Use | The “displaydate” command is used if the user wants to know what the date is (by default the current date will be displayed, but the user can change this date by using the “setdate” command). |
| Example |  |

## setdate

|  |  |
| --- | --- |
| Syntax | *For entering a new day:* The number must be in the range of 1-31.  *For entering a new month:* The number must be in the range of 1-12.  *For entering a new year:* The number must be in the range of 1-9999.  (Disclaimer: there are no restrictions as to what the date can be set as other than these ranges [i.e. the user can set the date to 1/1/1]) |
| Use | The “setdate” command is used if the user wants to set the date held by the OS to a custom setting. After successfully entering a new date it will be the new date displayed by the OS unless the user enters “setdate” again or uses the “restoredate” command. |
| Example |  |
| Possible Errors | There are 3 different errors that could be displayed during this command:  “You must input a whole number between 1 and 31”,  “You must input a whole number between 1 and 12”, and  “You must input a whole number between 1 and 9999”.  Each of these errors simply let the user know that the value that they have input is not within the acceptable range. |

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## restoredate

|  |  |
| --- | --- |
| Use | The “restoredate” command is used to restore the date held by the OS to the current date. |
| Example |  |

## directoryfiles

|  |  |
| --- | --- |
| Use | The “directoryfiles” command is used to display a list of all of the files that are in the OS’s directory. |
| Example |  |
| Possible Errors | There are two possible errors that this command can return:  “Not a directory” and  “No such file or directory”.  These two errors mean that the information that the OS is using to find the directory is invalid. |

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## help

|  |  |
| --- | --- |
| Use | The “help” command is used to display a list of all valid commands along with a brief description for each. |
| Example |  |

## exit

|  |  |
| --- | --- |
| Use | The “exit” command is used in order to exit out of the OS. Once entered the user will be asked if they are sure that they wish to exit. From there they can enter ‘y’ or ‘yes’ to close the program, or they can enter ‘n’ or ‘no’ to return back to the command prompt. If they enter ‘y’ or ‘yes’, they will be required to press the enter key to completely close the window. |
| Example |  |
| Possible Errors | There is one possible error within the “exit” command:  “ERROR: You have entered an invalid response.”  This error is displayed when the user enters in a value other than those acceptable (‘y’, ‘yes’, ‘n’, and ‘no’). |

## Possible Errors

|  |  |
| --- | --- |
| **Command** | **Error Description** |
| setdate | *“You must input a whole number between 1 and 31”*  This error is shown when the user has input a value that is not in the range of 1 to 31. Since there are no months which have a day that is less than 1 or greater than 31, this error is shown instead of accepting a value outside of the acceptable range. |
|  | *“You must input a whole number between 1 and 12”*  This error is shown when the user has input a value that is not in the range of 1 to 12. Since there are only 12 months, this error is shown instead of accepting a value outside of the acceptable range. |
|  | *“You must input a whole number between 1 and 9999”*  This error is shown when the user has input a value that is not in the range of 1 to 9999. Since the OS only accepts a year value of up to 4 digits, this error is shown instead of accepting a value outside of the acceptable range. |
| directoryfiles | *“Not a directory”*  This error is shown when the information that the OS is using to find the location of the directory is not actually valid directory information. |
|  | *“No such file or directory”*  This error is shown when the information that the OS is using to find the location of the directory does not actually lead to a directory. |
| exit | *“ERROR: You have entered an invalid response.”*  This error is shown when the user has entered an unacceptable value when they are asked if they are sure that they wish to exit the program. |

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