TechOS

User Manual

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Overview of TechOS

Our TechOS is a command line OS that is being made so we can get a good perspective on how Operating Systems are made and operate. The current state is very simple, with this only being the first module, and has only a few commands implemented. The project is written in C and our group is using Git to keep track of files.

Command Summary

**Help:** Help either lists all the commands available to TechOS, or gives in-depth

help on a particular command.

**Date:** Display date in format specified by datefmt.

**Datefmt:** Show date in a specific format, and it can be changed using specific options.

**Exit:** Exit triggers cleanup and terminates TechOS.

**Setdate:** Update the system date

**Version:** Version shows the current version of TechOS and also displays the authors and the publishing date.

Command Descriptions

**Help:**

Syntax: help, help [command name], help -Option.

Options: -h, --help. Both provide help on a command

Use: Show a short summary of available commands, or get help with a specific command

Example of use: help help, or help date

Possible error message(s): Will display an error message if used with a command that currently does not have help available, and will return an error if more than one argument is used. Ex: “help help help”

**Date:**

Syntax: date

Use: Displays the date in whatever date format is currently selected

Example of use: date

Possible error message(s): Didn’t use command line arguments properly

**Datefmt:**

Syntax: datefmt, datefmt -Option

Options: -I, -h, --help, -s, -d, -o

Use: Displays current date format and allows editing with -s options

Format Placeholders:

(for a complete list of special placeholders for entering a format, refer to the help menu)

Example of use:

TechOS(?)>datefmt

%Y-%m-%d %H:%M:%S

TechOS(?)>datefmt -s

Enter the new format: %a, %d %b %Y %T %z

Possible error message(s): Didn’t use command line arguments properly, Invalid format entered

**Exit:**

Syntax: exit

Use: Triggers cleanup of commands and other data and closes the OS

Example of use: exit

Possible error message(s): Didn’t use command line arguments properly, Did not enter Y or N properly

**Setdate:**

Syntax: setdate, setdate -Option

Use: -h --help

Example of use: setdate

Possible error message(s): Didn’t use command line arguments properly

**Version:**

Syntax: version, version -Option

Options: -h --help.

Use: Show the current version and displays the authors and publishing date.

Example of use: version

Possible error message(s): Didn’t use command line arguments properly

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