

Virginia Tech

Project 3

Proposal

Michael Russak and Omer Cem Sevim

ECE 2524

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Github URLs:

Michael Russak: <https://github.com/michaelrussak>

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Project Repository: https://github.com/michaelrussak/ece_2524_project3.git

Project Idea:

For this project we are going to create a Python script that creates a UNIX directory tree given the search directory. The user will provide an optional starting directory with the -d flag and an optional file extension with the -f flag. The program will either create a regular UNIX directory tree that shows all the files and directories in the given search directory or a custom directory tree that only shows the path for files that match the given input file extension specified with -f flag. If there is no directory provided the program will start its search from the current directory. If there is no file extension input the tree will show every directory and file in the search directory and below. The program will also have optional input flags that will make it display different things in the output. For example if the user enters -p flag, the tree will also display the permissions for all the directories and files in it. All of the optional flags will be written in the program and the user can get more information if they send in the --help flag when running it. We will use Python3.8 for this project.

Group Member Names:

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