Virginia Tech

Project 3

Proposal

Michael Russak and Omer Cem Sevim

ECE 2524

Dr. Sook Shin Ha

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**Github URLS:**

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

Omer Cem Sevim: <https://github.com/omercemsevim>

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 input file. The user will provide a file name or a file extension, there will be an optional directory flag where the user can specify the starting directory for the search. The program will create a directory tree that shows the path of all files matching the input pattern from the given directory down. If there is no directory provided the program will start its search from the home directory. 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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