**MYSHELL**

**----(README FILE)----**

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**|WELCOME TO THE README FILE|**

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**This is a Shell created by**

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**We have developed a Shell in C++, using different kind of ways to achieve the assignment.**

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**|How to use it:|**

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**1) Open the terminal from your machine.**

**2) Make sure you are in the folder where the shell has been developed.**

**3) Type "make" and the file "myshell" will compile. with the rest of the files.**

**4) Then type "myshell" executable file and the Shell will operate.**

**5) Type "?" if you would like help, this will give you a list of commands to use.**

**You can use the executable file "myshell" wherever you like in your machine.**

**WorkFlow:**

We mainly used VS Code live share plug-in to work as a group we started by creating “myshell.h” file and added all the necessary code to finish off the developed shell.

We declared all the Functions that we needed for the program to execute in the “.h” file. After we built all the “.cpp” functions for the shell commands to actually do something for example the “?” outputs in the terminal a description of all the commands available and how to use them.

During this project we all worked on every part together by splitting the functions equally and in the mean while we could help each other if we got stuck.

We learnt a lot about on how to develop a shell and implement it in various operating systems and its complexity.

**Problems during the development:**

The main issue we had was with the makefile and we had to recure to Youtube tutorials on how to compile it properly and make it work.

The other issue was that it was very challenging is the copy method, which took most of the time of all the other functions and in indeed all of us worked to solve this issue.

The last issues was the “get\_current\_dir” would not work on MacOS & Windows but only on Linux.

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