What the Shell?!

A Custom Linux Shell

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Introduction

$ [Why this project?]

$ [Objectives]

$ Customizability

Implementation

$ [How does the shell work?]

$ Simple grammar for user input

$ Shell parses user input and starts programs (if available)

$ Piping and signal (error) handling

$ Features implemented through separate programs

Evaluation & Demo

$ [what is the shell capable of]

$ **Basic commands:** cd, ls, md, mf, pwd, ...

$ **Special commands:** calc, search

$ **Record feature**

$ **Signal handling and piping**

Conclusion

$ GUI?

$ Functionality

$ Extend commands

Lessons Learned

$ Insight of system commands

$ Inter-process communication

$ C

$ Memory management

$ Linux

$ Questions?