OPERATING SYSTEM

PROJECT PROPOSAL

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"Unix-Shell

Project Description:

A shell program is an application that enables you to interact with your computer. The user can execute programs in a shell and also direct input and output to originate from files. Additionally, shells offer coding constructs like if, for, while, functions, variables, etc. Line editing, history, file completion, wild cards, environment variable expansion, and programming construction are additional features offered by shell applications.

Parts of a Shell Program

The shell implementation is divided into three parts: The Parser, The Executor, and Shell Subsystems.

- **The Parser**
- **The Executor**
- **Shell Subsystems**

The subsystems that complete your shell are:

Environment Variables

Wildcards

Subshells

Tools & Techniques:

- Virtual machine
- Unix operating system
- C++ language