Minishell Project - Task Overview

Team Name: ShellFigtherz

Team Size: 2 Members

Members:

- lakdogan (execution, structure, Makefile)

- almatsch (parsing)

Roles and Responsibilities:

lakdogan: Execution, Structure, and Build

- Execution Logic:

  - Implement exec_tree(), exec_command(), and exec_builtin()

  - Handle pipes, redirections, and builtins

  - Update and track exit code

- Data Structures:

  - Design and maintain t_minishell, t_command_tree, t_exec, t_infile, t_outfile

  - Ensure clean memory management and type safety

- Project Structure:

  - Define folder hierarchy (includes/, src/execution/, etc.)

  - Maintain clear and modular file organization

- Makefile:

  - Write Makefile with rules: all, clean, fclean, re

  - Manage header dependencies and compilation flags

almatsch: Parsing and Syntax Handling

- Lexing:

- Tokenize user input into structured t_token list

- Handle quotes, whitespace, and operators

- Syntax Validation:

  - Check for invalid token sequences, unclosed quotes, pipes, etc.

- AST Construction:

  - Build t_command_tree from token list

  - Manage operator precedence (|, &&, ||)

  - Support grouped expressions (parentheses) if implementing bonus

This task overview ensures a fair and modular distribution of work.