Minishell Defense Preparation Checklist

This checklist helps you prepare for the final project defense of Minishell.

It ensures all required features are demonstrable, and that you can clearly explain your logic,

design choices, and handle edge cases and questions from the evaluator.

[ ]   Be able to explain your team roles and responsibilities

[ ]   Describe overall architecture: Lexer -> Parser -> AST -> Executor

[ ]   Explain how t_command_tree works (binary tree design)

[ ]   Demonstrate redirection handling: <, <<, >, >>

[ ]   Demonstrate pipe handling between multiple commands

[ ]   Show correct exit code behavior (check $?)

[ ]   Explain how builtins are handled differently from binaries

[ ]   Demonstrate handling of Ctrl-C (SIGINT) and Ctrl-\ (SIGQUIT)

[ ]   Show heredoc functionality and Ctrl-C interruption

[ ]   Test logical operators: cmd1 && cmd2, cmd1 || cmd2

[ ]   Demonstrate grouped commands with parentheses (if bonus)

[ ]   Show memory cleanup with valgrind (no leaks)

[ ]   Be able to explain your Makefile and project structure

[ ]   Demonstrate a complex command: (echo hi | cat) && ls > out.txt

[ ]   Be ready for edge case questions (e.g., empty input, invalid syntax)

[ ]   Optional: Prepare diagrams (AST, flowcharts, module overview)

Use this checklist to confidently present and defend your Minishell project.