Minishell Parser Checklist

This checklist outlines all the steps and components required for implementing a complete parser module for the Minishell project.

It is designed to ensure correctness, support for logical operators, and bonus requirements (if applicable).

[ ]   Initialize parser and receive token list

[ ]   Check for syntax errors before building AST

[ ]   Detect and reject misplaced pipes or operators

[ ]   Detect unclosed quotes or unmatched parentheses

[ ]   Implement operator precedence: ( ), &&, ||, |

[ ]   Split tokens on logical operators and pipes correctly

[ ]   Handle grouped expressions (parentheses) recursively

[ ]   Create t_command_tree nodes with type and left/right

[ ]   Wrap simple commands into N_EXEC nodes

[ ]   Attach t_exec struct with argv, infile, outfile to N_EXEC

[ ]   Handle heredoc redirection inside parser

[ ]   Return pointer to root of built AST

[ ]   Handle memory cleanup for AST in case of error

[ ]   Optional: implement debug print function for AST

Use this list during development and testing to ensure full parser functionality.