Minishell Executor Checklist

This checklist outlines all the necessary steps to implement the executor for Minishell.

It includes traversal of the AST, handling of pipes, redirections, builtins, and system calls.

[ ]　　Receive t_command_tree root and minishell struct

[ ]　　Check node type: N_EXEC, N_PIPE, N_ANDIF, N_OR

[ ]　　For N_EXEC: setup redirections (infile/outfile)

[ ]　　Check if command is a builtin

[ ]　　If builtin: call exec_builtin() and update exit code

[ ]　　If not builtin: fork process, setup FDs, call execve()

[ ]　　For N_PIPE: create pipe, fork left and right child

[ ]　　Close pipe FDs in parent after fork

[ ]　　Wait for child processes and capture status

[ ]　　For N_ANDIF: execute left, if success then execute right

[ ]　　For N_OR: execute left, if failure then execute right

[ ]　　Update minishell->exit_code with WEXITSTATUS or builtin return

[ ]　　Restore original stdin and stdout after each command

[ ]　　Free temporary redirections and process resources

[ ]　　Optional: support for subshell execution and grouping

Use this checklist to ensure full and correct execution logic in Minishell.