Mansor M. Malik Platform Technologies Directory Management System

#ifdef \_unix\_

std::string currentPath;

char cwd[PATH\_MAX];

if (getcwd(cwd, sizeof(cwd)) != nullptr) {

currentPath = cwd;

}

if (directoryPath[0] != '/') {

directoryPath = currentPath + "/" + directoryPath;

}

#elif \_WIN32

std::string currentPath;

char cwd[MAX\_PATH];

if (GetCurrentDirectory(MAX\_PATH, cwd)) {

currentPath = cwd;

}

if (directoryPath[1] != ':') {

directoryPath = currentPath + "\\" + directoryPath;

}

#endif

changeDirectory(directoryPath);

break;

}

default:

std::cerr << "Invalid option!" << std::endl;

break;

}

}

int main() {

int mainOption;

std::string directoryPath;

do {

std::cout << "MAIN MENU\n";

std::cout << "1. To Display List of Files\n";

std::cout << "2. To Create New Directory\n";

std::cout << "3. To Change the Working Directory\n";

std::cout << "4. Exit\n";

std::cout << "Enter the Number: ";

std::cin >> mainOption;

std::cin.ignore();

switch (mainOption) {

case 1: {

std::cout << "Enter the directory path to list files: ";

std::getline(std::cin, directoryPath);

listFilesMenu(directoryPath);

break;

}

case 2: {

std::cout << "Enter the directory path to create: ";

std::getline(std::cin, directoryPath);

createDirectory(directoryPath);

break;

}

case 3: {

changeDirectoryMenu();

break;

}

case 4:

std::cout << "Exiting...\n";

break;

default:

std::cerr << "Invalid option! Please try again.\n";

break;

}

std::cout << "Press any key to continue...";

std::cin.get();

std::cin.ignore();