Mansor M. Malik Platform technologies Lab\_Exer1 Directory Management System

void listFilesMenu(const std::string& directoryPath) {

int listOption;

std::cout << "LIST FILE DETAIL\n";

std::cout << "1. List All Files\n";

std::cout << "2. List of Extension Files\n";

std::cout << "3. List of Name Pattern Files\n";

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

std::cin >> listOption;

std::cin.ignore();

listFiles(directoryPath, listOption);

}

void changeDirectoryMenu() {

int changeOption;

std::string directoryPath;

#ifdef \_unix\_

char cwd[PATH\_MAX];

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

std::cout << "Current Directory: " << cwd << std::endl;

}

#elif \_WIN32

char cwd[MAX\_PATH];

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

std::cout << "Current Directory: " << cwd << std::endl;

}

#endif

std::cout << "Change Directory Menu\n";

std::cout << "1. Step by Step Backward\n";

std::cout << "2. Goto Root Directory\n";

std::cout << "3. Forward Directory\n";

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

std::cin >> changeOption;

std::cin.ignore();

switch (changeOption) {

case 1: {

#ifdef \_unix\_

char cwd[PATH\_MAX];

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

std::string currentPath(cwd);

size\_t pos = currentPath.find\_last\_of('/');

if (pos != std::string::npos) {

currentPath = currentPath.substr(0, pos);

changeDirectory(currentPath);

}

}

#elif \_WIN32

char cwd[MAX\_PATH];

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

std::string currentPath(cwd);

size\_t pos = currentPath.find\_last\_of("\\");

if (pos != std::string::npos) {

currentPath = currentPath.substr(0, pos);

changeDirectory(currentPath);

}

}

#endif

break;

}

case 2: {

#ifdef \_unix\_

changeDirectory("/");

#elif \_WIN32

changeDirectory("C:\\");

#endif

break;

}

case 3: {

std::cout << "Please enter the Directory Name: ";

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