package assistedprojectjava;

import java.io.File;

import java.io.FileWriter;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Path;

import java.util.Scanner;

public class FilesDemo {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.***in***);

System.***out***.println("Enter the path of the file:");

String filePath = scanner.nextLine();

File file = new File(filePath);

if (!file.exists()) {

System.***out***.println("File does not exist. Creating a new file.");

try {

file.createNewFile();

} catch (IOException e) {

System.***out***.println("An error occurred while creating the file.");

e.printStackTrace();

return;

}

}

while (true) {

System.***out***.println("\nMenu:");

System.***out***.println("1. Read the file");

System.***out***.println("2. Write to the file");

System.***out***.println("3. Update the file");

System.***out***.println("4. Delete the file");

System.***out***.println("5. Exit");

System.***out***.println("Enter your choice:");

int choice = scanner.nextInt();

switch (choice) {

case 1:

*readFile*(file);

break;

case 2:

*writeFile*(file);

break;

case 3:

*updateFile*(file);

break;

case 4:

*deleteFile*(file);

return;

case 5:

System.***out***.println("Exiting the program.");

return;

default:

System.***out***.println("Invalid choice. Please try again.");

}

}

}

private static void readFile(File file) {

try {

String content = Files.*readString*(Path.*of*(file.getAbsolutePath()));

System.***out***.println("File content:");

System.***out***.println(content);

} catch (IOException e) {

System.***out***.println("An error occurred while reading the file.");

e.printStackTrace();

}

}

private static void writeFile(File file) {

try {

FileWriter writer = new FileWriter(file, false);

Scanner scanner = new Scanner(System.***in***);

System.***out***.println("Enter the content to write to the file:");

String content = scanner.nextLine();

writer.write(content);

writer.close();

System.***out***.println("Content successfully written to the file.");

} catch (IOException e) {

System.***out***.println("An error occurred while writing to the file.");

e.printStackTrace();

}

}

private static void updateFile(File file) {

try {

*readFile*(file);

FileWriter writer = new FileWriter(file, true);

Scanner scanner = new Scanner(System.***in***);

System.***out***.println("Enter the content to append to the file:");

String content = scanner.nextLine();

writer.write(content);

writer.close();

System.***out***.println("Content successfully appended to the file.");

} catch (IOException e) {

System.***out***.println("An error occurred while updating the file.");

e.printStackTrace();

}

}

private static void deleteFile(File file) {

try {

Files.*deleteIfExists*(file.toPath());

System.***out***.println("File deleted successfully.");

} catch (IOException e) {

System.***out***.println("An error occurred while deleting the file.");

e.printStackTrace();

}

// **TODO** Auto-generated method stub

}

}

