import java.io.File;

import java.io.IOException;

import java.util.Arrays;

import java.util.Scanner;

public class FileMenu {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

File currentDirectory = new File(".");

String[] fileNames = currentDirectory.list();

if (fileNames == null) {

System.out.println("Error reading directory contents.");

return;

}

do {

System.out.println("1: Display all files present in the current directory in ascending order.");

Arrays.sort(fileNames);

for (String fileName : fileNames) {

System.out.println(fileName);

}

System.out.println("2: Sub Menu Options");

System.out.println(" a: Create a new file");

System.out.println(" b: Delete a file");

System.out.println(" c: Check if a file exists");

System.out.println(" d: Exit sub menu");

System.out.println("3: Exit main menu");

System.out.print("Enter your choice: ");

char choice = scanner.next().charAt(0);

switch (choice) {

case 'a':

System.out.print("Enter the file name you want to create: ");

String newFileName = scanner.next();

File newFile = new File(currentDirectory, newFileName);

if (newFile.exists()) {

System.out.println("File already exists.");

} else {

try {

if (newFile.createNewFile()) {

System.out.println("File created successfully.");

} else {

System.out.println("Failed to create the file.");

}

} catch (IOException e) {

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

}

}

break;

case 'b':

System.out.print("Enter the file name you want to delete: ");

String fileToDelete = scanner.next();

File fileToDeleteObject = new File(currentDirectory, fileToDelete);

if (fileToDeleteObject.exists()) {

if (fileToDeleteObject.delete()) {

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

} else {

System.out.println("Failed to delete the file.");

}

} else {

System.out.println("File not present.");

}

break;

case 'c':

System.out.print("Enter the file name you want to check: ");

String fileToCheck = scanner.next();

File fileToCheckObject = new File(currentDirectory, fileToCheck);

if (fileToCheckObject.exists()) {

System.out.println("File present.");

} else {

System.out.println("File not present.");

}

break;

case 'd':

// Exit sub menu

break;

case '3':

// Exit main menu

System.exit(0);

break;

default:

System.out.println("Invalid choice.");

}

} while (true); // You can add a condition here to exit the main loop.

}

}