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Source Code:
package com;
import java.io.File;
import java.util.ArrayList;
import java.util.Collections;
import java.util.Scanner;
public class FileSystem {
  private static ArrayList<String> files = new ArrayList<>();
  public static void main(String[] args) {
    System.out.println("Welcome to File Management System");
    System.out.println("Developed by Talha Shaikh");
    System.out.println("-----
    // Get all the files in the current folder and add them to the ArrayList
    File folder = new File(".");
    File[] listOfFiles = folder.listFiles();
    for (int i = 0; i < listOfFiles.length; i++) {</pre>
        files.add(listOfFiles[i].getName());
    Scanner sc = new Scanner(System.in);
    // Run the menu loop
    while (true) {
      // Main menu options
      System.out.println("1. Display Files in Ascending Order");
      System.out.println("2. Add/Delete/Search a File");
      System.out.println("3. Close Application");
      System.out.print("Enter your choice: ");
      int option = 0;
      boolean validOption = false;
      if (sc.hasNextInt()) {
          option = sc.nextInt();
          sc.nextLine(); // to consume the newline character
          // Check if the input is between 1 and 3
          if (option >= 1 && option <= 4) {
            validOption = true;
          } else {
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System.out.println("Invalid option. Please try again.");
  } else {
    System.out.println("Invalid input. Only integers are allowed.");
    sc.nextLine(); // to consume the invalid input
switch (option) {
  case 1:
    // Sort the files in ascending order and print them
    Collections.sort(files, String.CASE_INSENSITIVE_ORDER);
    System.out.println("Files in Ascending Order: ");
    for (String file : files) {
      System.out.println(file);
    break;
  case 2:
    // Inner menu options
    System.out.println("1. Add a File");
    System.out.println("2. Delete a File");
    System.out.println("3. Search a File");
    System.out.println("4. Back to Main Menu");
    System.out.print("Enter your choice: ");
    int innerChoice = sc.nextInt();
    switch (innerChoice) {
      case 1:
       // Add a file to the ArrayList
        System.out.print("Enter the name of the file to add: ");
        String fileToAdd = sc.next();
        files.add(fileToAdd);
        System.out.println("File added successfully.");
      case 2:
        System.out.print("Enter the name of the file to delete: ");
        String fileToDelete = sc.next();
        if (files.contains(fileToDelete)) {
          files.remove(fileToDelete);
          System.out.println("File deleted successfully.");
        } else {
          System.out.println("File not found.");
        break;
      case 3:
      // Search a file from the ArrayList
        System.out.print("Enter the name of the file to search: ");
        String fileToSearch = sc.next();
```