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Simplifearn projects - Final Project/src/LockedMeApp.java - Eclipse IDE
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    Window Help
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    Windows Helpsya * (BlocketMedeppertipsa)
    Inispect java.io. 10 Files
    Import java.io. 10 Files
    Import java.io. 10 Exceptions
    Import java.io. 10 Exceptio
                  7
8 public class LockedMeApp {
9 private static final String DIRECTORY PATH = "Cr\\Users\\santh\\Desktop\\Simplilearn_projects\\Final_Project\\test"; // Update with the actual directory path
10 private static Scanner scanner;
                                   public static void main(String[] args) {
    displayWelcomeScreen();
    showMainNenu();
}
                                  private static void displayWelcomeScreen() {
    System.out.println(" Welcome to LockedWe.com ")
    System.out.println(" Developed by Santhooh ");
    System.out.println(" Developed by Santhooh ");
    System.out.println(" "");
                                    private static void showfainMenu()
    System.out.println("\n'|PALN MENU)");
System.out.println("\n'|Patieve file names in ascending order");
System.out.println("\n'|Amange files");
System.out.println("\n'|Amange files");
                                                    int choice = getUserChoice(1, 3);
                                int choice = getUserChoice(1, 3);
switch (choice) {
    sea !1
        retrieveFileNames();
        break;
    case 2;
        showFileNamesmentMenu();
        break;
    case 3;
        closeApplication();
        break;
}
                                     private static void retrieveFileNames() {
   ListString> fileNames = getFileNamesInAscendingOrder();
   System.out.printin("NIFILE NAMES IN ASCENDING ORDER]");
   if (fileNames.isEmpty()) {
      System.out.printin("No files found in the directory.");
    } else {
      for (String fileNames: fileNames) {
         System.out.println(fileName);
    }
}
                                                                }
                                                     )
showMainMenu();
                                                                                                                                                                                                                                                                     Witable Smart Insert 20:59:756
- Ø X
                                     private static void retrieveFileNames() {
   List<String> fileNames = getFileNamesInAscendingOrder();
   System.out.printin("wiffIsE NAMES IN ASCENDING ORDER]");
   if (fileNames.isEmpty()) {
      System.out.printin("Wo files found in the directory.");
      else {
         for (String fileNames : fileNames);
      }
   }
}
                                   )
showMainMenu();
                                      static List<String> getFileNamesInAscendingOrder() {
   File directory = new File(DIRECTORY_PATH);
   File[] files = directory.listFiles();
   List<String> fileNames = new ArrayList<>();
                                                    if (files != null) {
   for (File file : files) {
      if (file.isFile()) {
        fileNames.add(file.getName());
}
                                                 Collections.sort(fileNames);
                                     return fileNames;
                                    private static void showFileManagementMenu() {
   System.out.println("\n|FILE MANAGEMENT MENU");
   System.out.println("\n|Add s file to the directory");
   System.out.println("\n|\add s file to the directory");
   System.out.println("\n|\adds search for a file from the directory");
   System.out.println("\n|\adds search for a file in the directory");
   System.out.println("\n|\adds search for a file in the directory");
   System.out.println("\n|\adds Navigate back to the main menu");
}
                                            ant choice = getUserCh
switch (choice) {
    case !!
        addFile();
        addFile();
    case 2!
        break;
    case 3:
        searchfile();
        break;
        case a:
        about inMenu();
        break;
                                                 int choice = getUserChoice(1, 4);
                                                                                                                                                                                                                                                                                                                                                                                           Writable Smart Insert 20:59:756
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Simplifearn projects - Final Project/src/LockedMeApp.java - Eclipse IDE
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     File file - new File(DIRECTORY PATH + File.separator + fileName);
try {
   if (file.createNewFile()) {
        System.out.println("File added successfully.");
   }
}
                                                             System.out.println("File added successfully.");
else {
   System.out.println("File already exists in the directory.");
                                                       ) catch (IOException e) (
System.out.println("An error occurred while adding the file: " + e.getMessage());
                                         showFileManagementMenu();
                                          static void deleteFile() {
    scanner = new Scanner(System.in);
    System.out.print("\ninhinter the name of the file to delete: ");
    String fileName = scanner.nextLine();
                                                         File directory = new File(DIRECTORY PATH);
File[] files = directory.listFiles();
boolean fileDeleted = false;
                                                Sys
}
break;
}
                                                    if (!fileDeleted) {
    System.out.println("File not found.");
                                        showFileManagementMenu();
                                          static void searchFile() {
    scanner = new Scanner(System.in);
    System.out.print("\nEnter the name of the file to search: ");
    String fileName = scanner.nextLine();
                - Scanner.nextLine();

154 File directory - new File(DIRECTORY PATH);
                                                                                                                                                                                                                                                                                                 Writable Smart Insert 20:59:756
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  - Ø X
                          public class LockedMeAppTest {
    private static final String TEST_DIRECTORY_PATH - "C:\\Users\\santh\\Desktop\\Simplilearn_projects\\Final_Project\\test"; // Update with the actual test directory path
    private static final String TEST_FILE_NAME = "testFile.txt";
                                           private File testDirectory;
private ByteArrayOutputStream;
                                         @Beforefach
void setup() {
    testDirectory = new File(TEST_DIRECTORY_PATH);
    testDirectory, medit();
    outputStream = new ByteArrayOutputStream();
    System.setOut(new FrintStream(outputStream));
    deleterSetDirectory();
    createTestDirectory();
}
                                          private void createTestDirectory() {
   try (
                                                        try {
   Files.createDirectory(Path.of(TEST_DIRECTORY_PATH));
} catch (IOException e) {
   e.printStackTrace();
                                         private void deleteTetDirectory() {
    File directory = new File(TEST_DIRECTORY_PATH);
    if directory.exists() {
        File[] files = directory.listFiles();
        if (files! = mult);
        for (File file : files) {
            file.delete();
        }
            file.delete();
        }
            file.delete();
            fil
                                                                      directory.delete();
                                      1
                                        8Test
void testRetrieveFileNames_EmptyDirectory() {
   List<String> expectedFileNames = Arrays.asList();
   List<String> actualFileNames = LookedMeAre.getFileNamesInAscendingOrder();
                                                                                                                                                                                                                                                                                                                                                                                                Writable Smart Insert 152 : 27 : 4906
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 ## | BookedMeApp.java | BlockedMeApp.java | Sector | Broging | Sector 
      @Test
void testRetrieveFileNames_NonEmptyDirectory() {
    createTestFile(TEST_FILE_NAME);
                                     List<String> expectedFileNames = Arrays.asList(TEST_FILE_NAME);
List<String> actualFileNames = LockedMeApp.getFileNamesInAscendingOrder();
                         Assertions.assertEquals(expectedFileNames, actualFileNames);
                           @Test
void testAddFile_FileAddedSuccessfully() {
    provideUserInput(TEST_FILE_NAME + System.lineSeparator());
                                     LockedMeApp.addFile();
                                     String expectedOutput = "File added successfully.";
String actualOutput = outputStream.toString().trim();
                                     Assertions.assertEquals(expectedOutput, actualOutput);
Assertions.assertTrue(fileExists(TEST_FILE_NAME));
                           8Test
void testAddFile FileNireadySrists() {
    createTestFile(InsT_FILE_NAME;)
    provideDeerInput(TEST_FILE_NAME; + System.lineSeparator());
                                     LockedMeApp.addFile();
                                     String expectedOutput = "File already exists in the directory.";
String actualOutput = outputStream.toString().trim();
                          Assertions.assertEquals(expectedOutput, actualOutput);
                          @Test
void testDeletFile FileDeletedSuccessfully() {
   createTestFile(TEST_FILE_NAME);
   provideUserInput(TEST_FILE_NAME + System.lineSeparator());
                                     LockedMeApp.deleteFile();
                                     String expectedOutput = "File deleted successfully.";
String actualOutput = outputStream.toString().trim();
                                     Assertions.assertEquals(expectedOutput, actualOutput);
Assertions.assertFalse(fileExists(TEST_FILE_NAME));
                          8Test
void testDeleteFile_FileNotFound() {
    provideUserInput(TEST FILE NAME + System.lineSeparator());
                                                                                                                                                                                                                                                          | Writable | Smart Insert | 152 : 27 : 4906 |
Simplifearn projects - Final Project/src/LockedMeAppTest.java - Eclipse IDE
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136 void testSearch File FileNot Frank + System. lineSeparator());
                                    LockedMeApp.searchFile();
                                      String expectedOutput = "File not found.";
String actualOutput = outputStream.toString().trim();
                          Assertions.assertEquals(expectedOutput, actualOutput);
)
                          @Test
void testGetUserChoice_ValidChoice() {
    provideUserInput("2" + System.lineSeparator());
                                     int minChoice = 1;
int maxChoice = 3;
int expectedChoice = 2;
int actualChoice = LockedMeApp.getUserChoice(minChoice, maxChoice);
                                    Assertions.assertEquals(expectedChoice, actualChoice);
                           @Test
void testGetUserChoice_InvalidChoiceThenValidChoice() {
   provideUserInput("Invalid" + System.IIneSeparator() + "2" + System.IIneSeparator());
                                     int minChoice = 1;
int maxChoice = 3;
int expectedChoice = 2;
int actualChoice = LockedMeApp.getUserChoice(minChoice, maxChoice);
                                     {\tt Assertions.} assert {\tt Equals} ({\tt expectedChoice, actualChoice}) \ ;
                         private void createTestFile(String fileName) {
    File file = new File(testDirectory, fileName);
    try
    its = new File(testDirectory, fileName);
    catch (Exception e) {
        e.printStackTrace();
    }
}
                          private boolean fileExists(String fileName) {
   File file - new File(testDirectory, fileName);
   return file.exists();
}
                           private void provideUserInput(String userInput) {
    ByteAtrayInputStream inputStream = new ByteAtrayInputStream(userInput.getBytes());
    System.setIn(inputStream);
                                                                                                                                                                                                                                                                                                         Writable Smart Insert 152:27:4906
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