# **Phase 1 Assessment**

# Flowchart:

Display options –

1. Add a file
2. Delete a file
3. Search a file
4. Back to main menu

Exit the application

Return file names in ascending order

Switch Case

User Input

Display the welcome screen

1. Application name and developer details
2. User interface – Options for user interaction

A

1 2 3

Options for file operations

1. Create new File object with root directory path
2. Create an array of type File
3. Read all files from the directory to the array using listFiles()
4. Use sort function of arrays
5. Display the files using Println

Use break () in Switch case

Switch Case

A

Search for a file

Delete a file

Back to main menu

Add a file

1 2 3 4

1. Prompt the user to enter file name to be searched
2. Convert the user input to File object
3. Use try block to search the file using exists()
4. Print success message if it exists else print file does not exist
5. Catch IOException
6. Prompt the user to enter file name to be deleted
7. Convert the user input to File object
8. Use try block to delete the file using delete()
9. Print success message if deleted else catch NoSuchFileException
10. Catch IOException
11. Prompt the user to enter file name to be created
12. Convert the user input to File object
13. Use try block to create the new file using createNewFile()
14. Print success message
15. Catch IOException