

# LockedME-Project

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Project: LockedMe.com  
Developer: Diyu Mathew

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Duration: 3 weeks  
Type: Scrum  
Sprint Duration: 1 week

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## Sprint 1:

- Build welcome screen
- Add app name and developer details
- Show main menu
- Show options in main menu
- Add option 1 in main menu (Show files in ascending order)
- Support closing the application

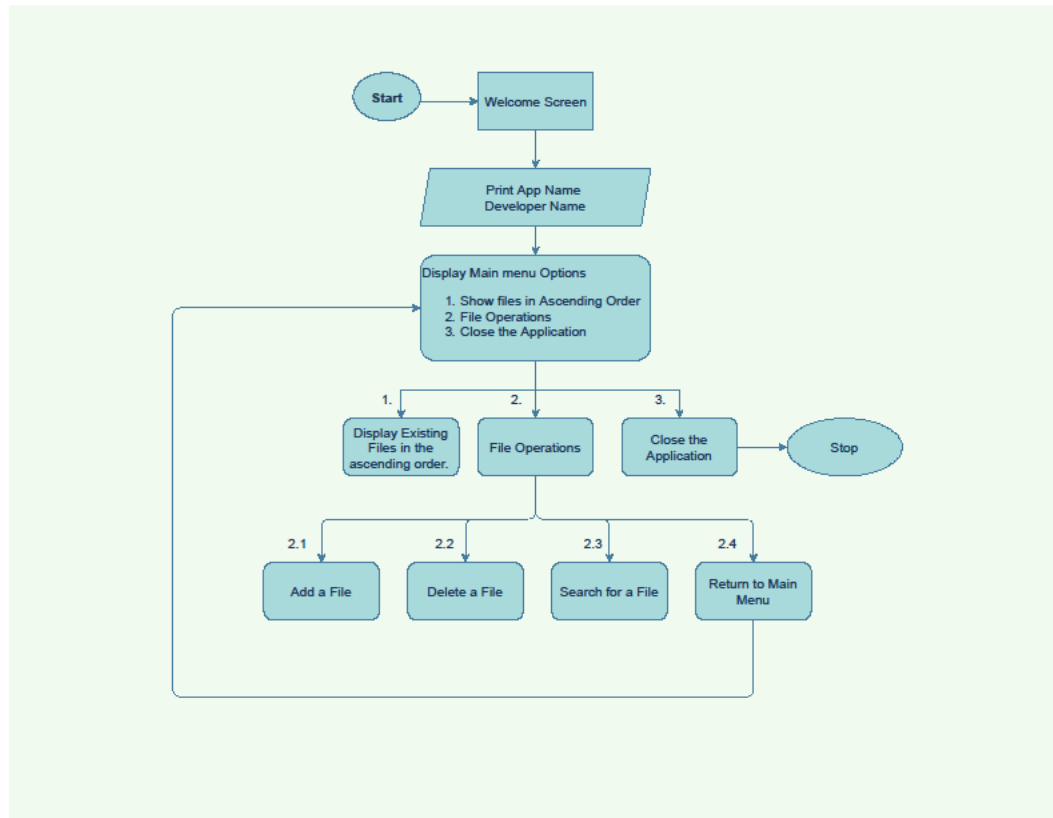
## Sprint 2:

- Show option 2 (file operations)
- Show File operations menu
- Add option 1 in file operations. Add a file
- Add option 2 in file operations. Delete a file
- Back to main menu

## Sprint 3: (keeping it light to account for unknowns)

- Search a file
- Unknown 1??
- Unknown 2??

**Git Hub Url :** <https://github.com/dmdijumathew22/LockedME-Project>



#### Function Descriptions

- static function `startapp()` starts the program.
- `showWelcomeScreen()` Shows the developer details and project name
- `mainMenu()` Shows main menu
- `initialize()` initializes the tree set *sorted* with file names from "FOLDER" directory . Sorts in ASCII standard.
- `getMainMenuOption()` considers the user input and calls the appropriate function
  - 1 ---`showFilesInAscendingOrder()`
    - Calls `initialize()` and displays the treeset with sorted file names
  - 2 ---`showFileOperations()`
    - Displays File operations
  - 3 --- closing the application using `System.exit(0)` and a default output showing invalid output.
- `collectFileOperation()` considers the user input and calls the appropriate function
  - 1 --- `addAFile()`
    - Gets a file path from user → validates if it is a file → then adds it to the tree set if true.
  - 2 --- `deleteFile`
    - Gets a file name from user → checks whether the name matches the string value of file names in the set → Deletes the file from directory and removes from SET.
  - 3 --- `searchFile()`

- Gets a file name from user → checks whether the name matches the string value of file names in the set → If file name found give output file found and Directory path else file not found.
- o 4 --- return to main menu mainMenu()
- o and a default output showing invalid output