# Project Name: Lock Me

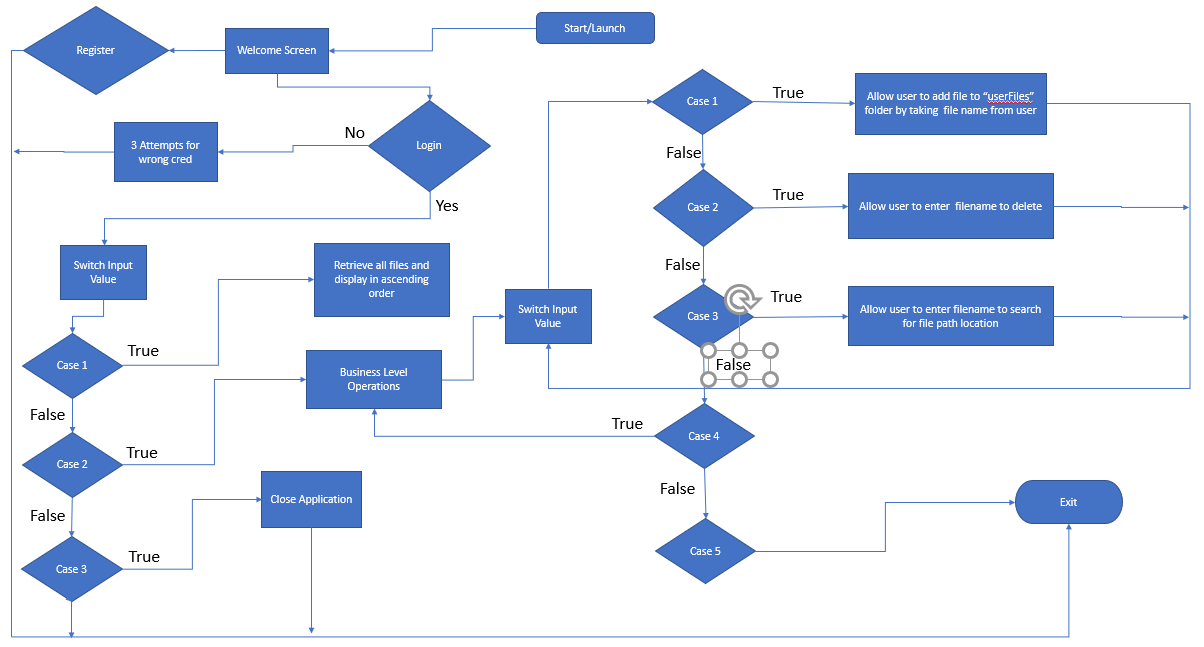
## Project Description

A Java based application that can be a virtual repository for credentials. The application can create user defined files, retrieve filenames in ascending order, delete file names and locate the file in directory . The credentials will be stored in a file format. The application registers a new user by taking username and password as input. The existing users can login to the application and store their credentials. The provided credentials are stored in a file that have the username, site, username in the site and password for that specific username. The application can also fetch the credentials of a particular user if asked.

### 1.1.2 Technology Stack

* Data structures
* Searching Algorithm
* Sorting Algorithm
* File Handling Operations
* Exception Handling
* Java
* Github

# Architecture/Flow Chart



# Project Users Stories

1. As a user, I want Welcome screen with login and registration option.

2. As a user, I want to register in LockMe.com App.

3. As a user I want login into app by entering valid credentials and user will be provided

3 attempts to enter correct credentials.

4. As a developer, I want to display below options in console for User Interaction:

* Retrieve all files in Ascending Order
* Business level Operations
* Exit from Application

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5. As a user, I want to retrieve all files in Ascending Order.

6. As a developer, I want to display below business level operations for user interaction

* Add user specified file in LockMe app application.
* Delete existing file from LockMe application.
* search a user specified file from the application
* Navigation to previous menu / main context.
* Exit from Application.

7. As a user, I want to add user defined file in an Application

8. As a user, I want to delete existing file from an Application.

9. As a user, I want to search a file and fetch its path location

10. As a user, I want to navigate to previous menu.

**Sprint 1 (Week 1)**

1. As a user, I want Welcome screen with login and registration option.

2. As a user, I want to register in LockMe.com App.

3. As a user I want login into app by entering valid credentials and user will be provided

3 attempts to enter correct credentials.

4. As a developer, I want to display below options in console for User Interaction:

* Retrieve all files in Ascending Order
* Business level Operations
* Exit from Application

5. As a user, I want to retrieve all files in Ascending Order.

**Sprint 2 (Week 2)**

6. As a developer, I want to display below business level operations for user interaction

* Add user specified file in LockMe app application.
* Delete existing file from LockMe application.
* search a user specified file from the application
* Navigation to previous menu / main context.
* Exit from Application.

7. As a user, I want to add user defined file in an Application

8. As a user, I want to delete existing file from an Application.

9. As a user, I want to search a file and fetch its path location

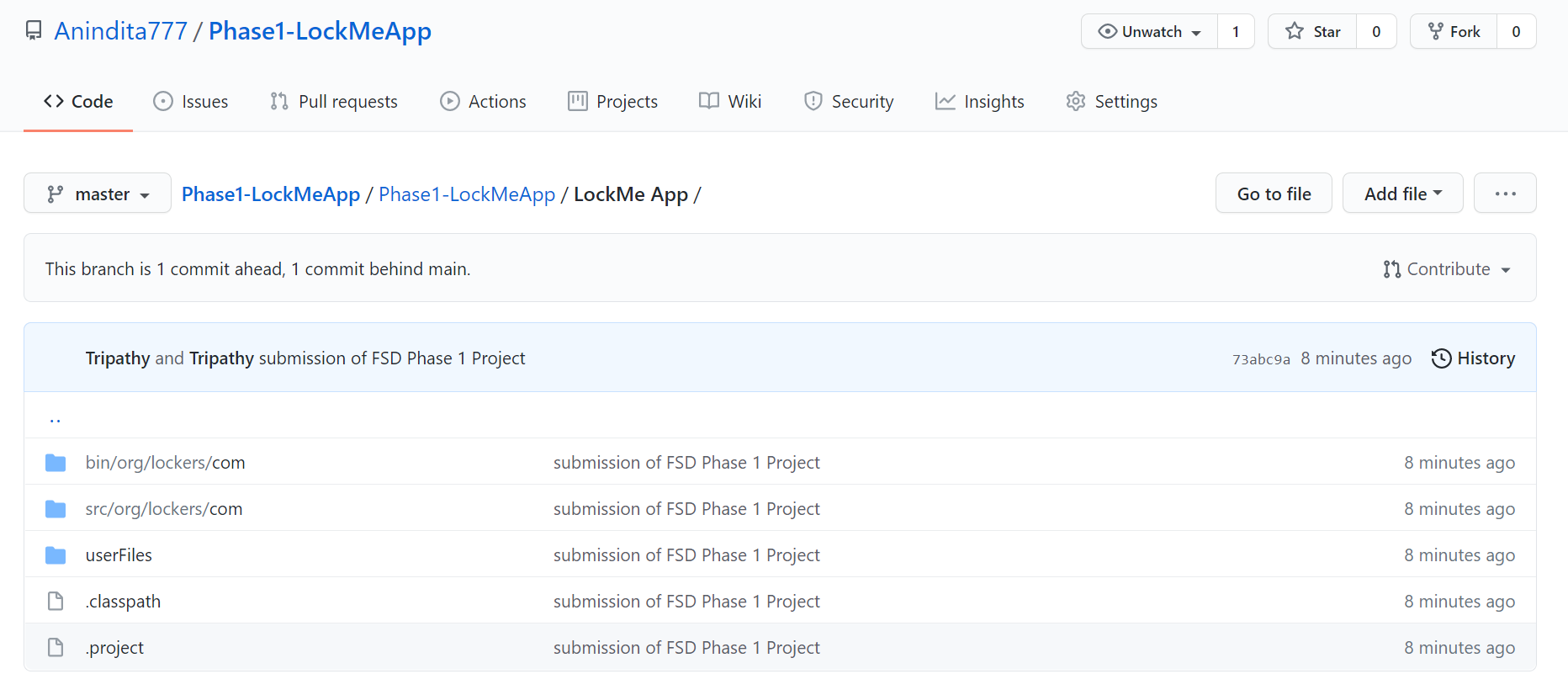
10. As a user, I want to navigate to previous menu.

# 4. Project git Repositories

1. Link to the repository: <https://github.com/Anindita777/Phase1-LockMeApp.git>

2. Clone: git clone https://github.com/Anindita777/Phase1-LockMeApp.git

3. Screenshot:



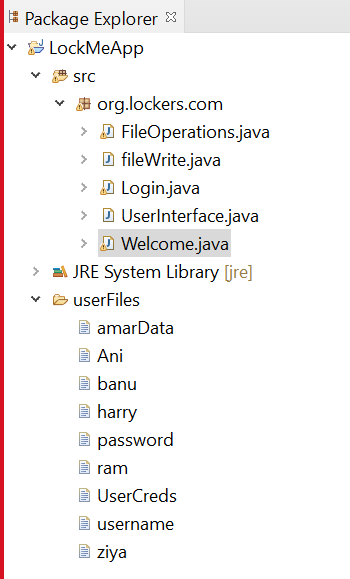
# 5. How to run project:



1. Clone the project: git clone https://github.com/Sabhyata14/Phase1-Project-LockMe.com.git
2. Open the project in Eclipse or InteliJ:

Open 🡪 Phase1-Project-LockMe.com 🡪src🡪org🡪lockers🡪com🡪Welcome.java🡪Right Click 🡪 and Run as Java application

# 6. Directory Structure/ Package:



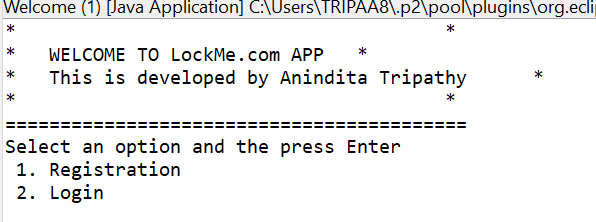
# 7. Source Code Files:

* WelcomeScreen.java
* Login.java
* UserInterface.java
* File Operation.Java
* FileWrite.java

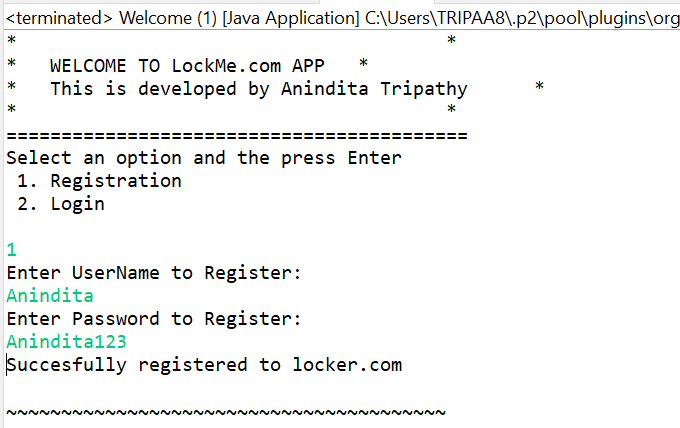


# 8. Output Screenshots:

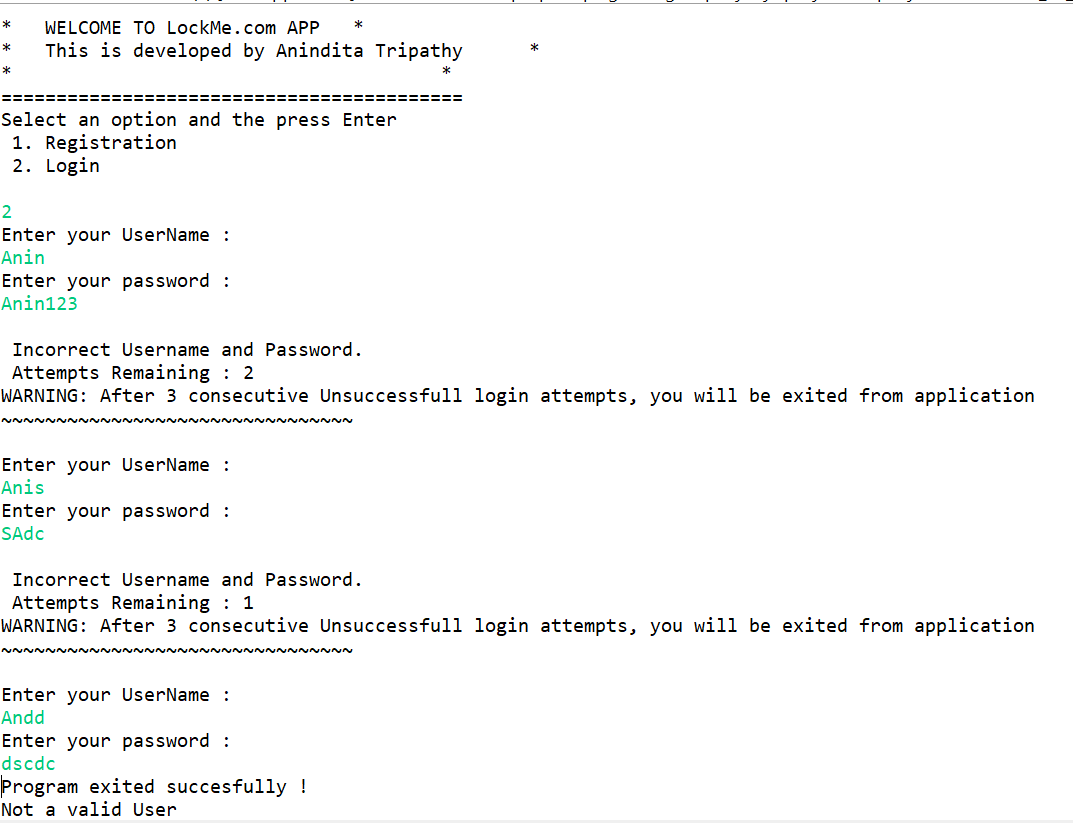
1. Welcome Screen



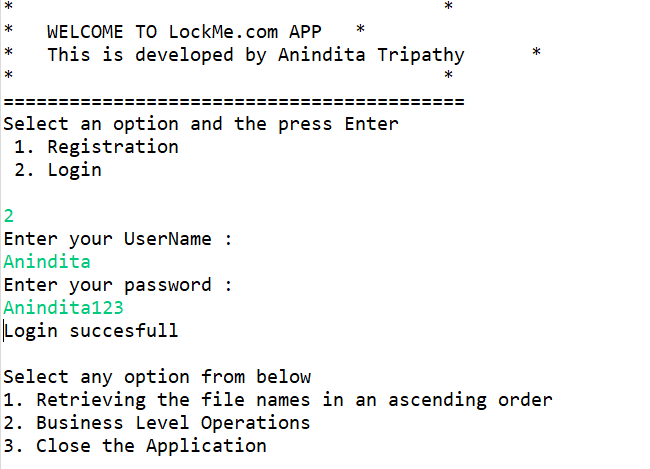
1. New User Registration



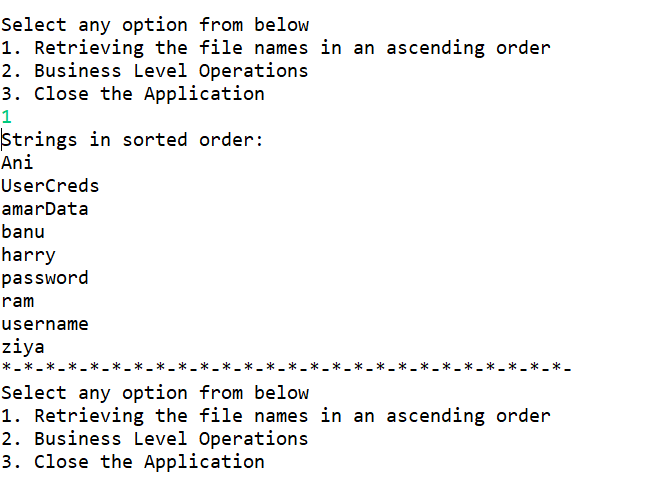
1. Invalid Login credentials:



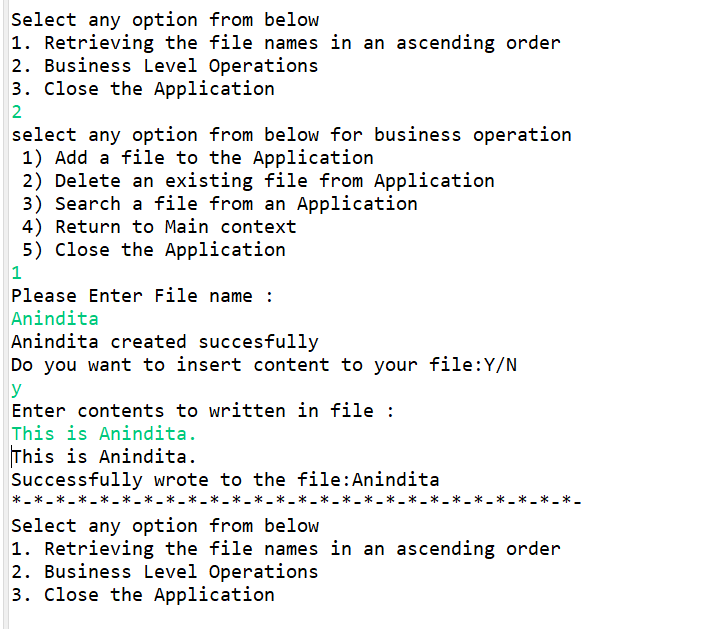
1. Login Page



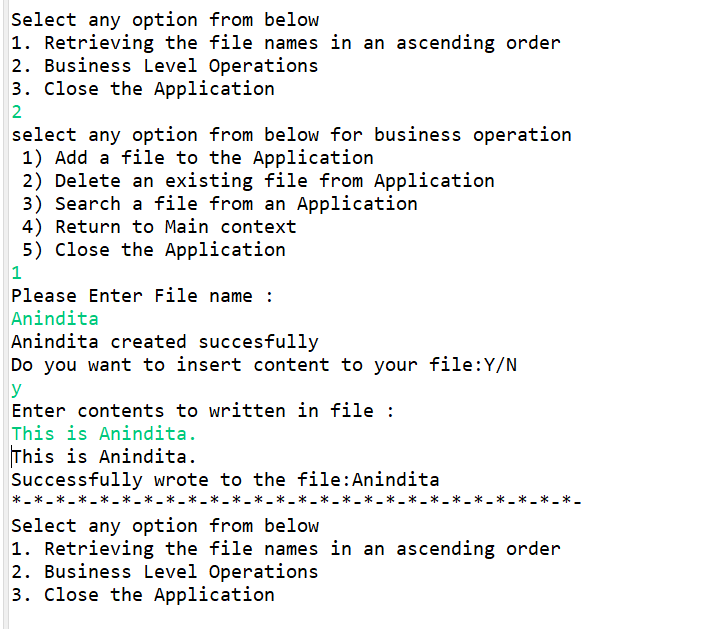
* 1. Retrieving file names in ascending order:



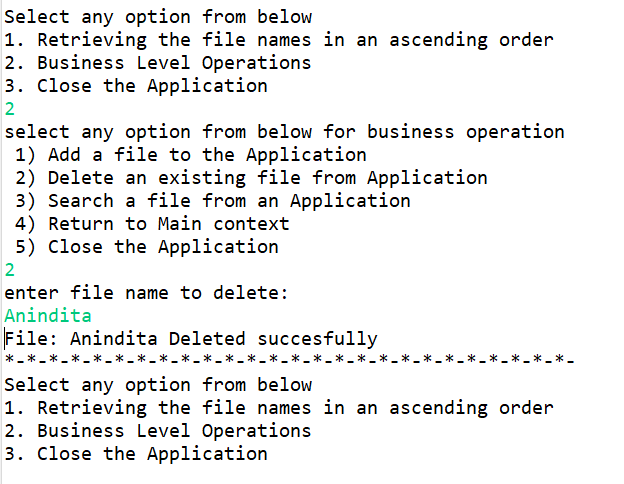
* 1. Business Level Operations:



4.2.1 Add a file to the application:

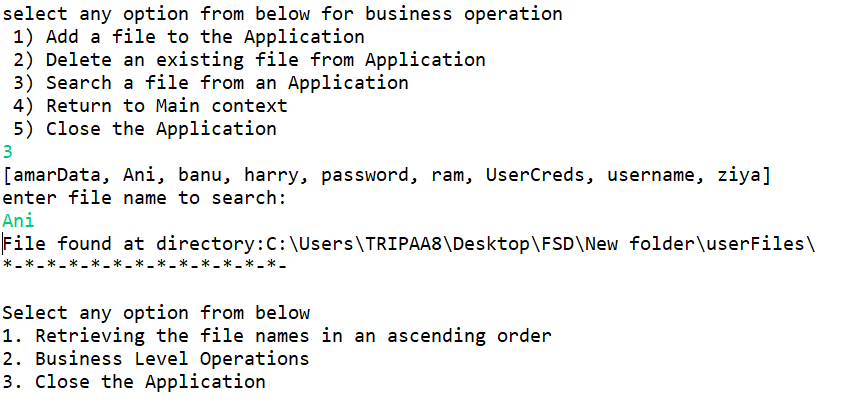


4.2.2 Delete an existing file from application:

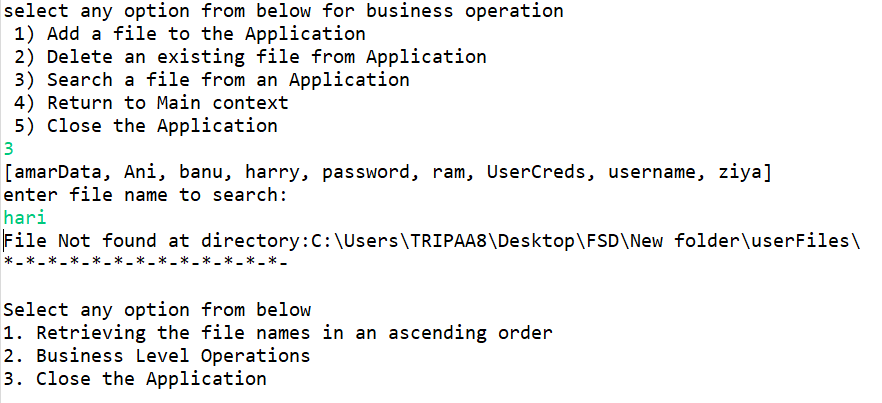


4.2.3 Search a file from an application:

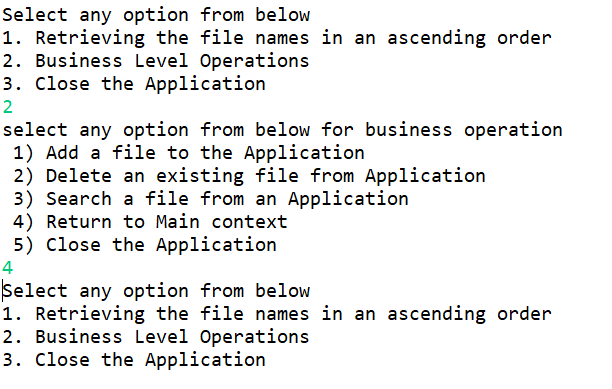
Result upon successful operation



Result upon un-successful operation



4.2.4 Return to main context:



1. Close the Application:

