

Gmail Application Development

ELF / HTD Training Programs
Java Full Stack - Use Cases

App Development – Assessment Overview

As part of this assessment you need to develop a console based application i.e. application which will not have any GUI but will have a main method which takes input from console, and simulates “Gmail Application”, as part of this assessment you need to use

- ❖ Classes from Collection framework to store the Data
- ❖ Core Java to develop Console Based application
- ❖ Collection framework methods to perform CURD operation on Data

App Development – Assessment Description

1. Create a Project by name “Gmail”.
2. Create a java bean class by name “Account” with the following fields

userName	String
password	String
email	String

3. Create a class by the name “Inbox” with the following fields

email	String
message	String

4. Create a Java Program which has main method which prints the following options
 - i. Press 1 to login
 - ii. Press 2 to register

If user presses 1, application should accept email and password to login and if credentials are valid show the following options.

- i. Press A to “compose”
- ii. Press B to “show inbox”

If user presses A, then application should accept email id and message, and store the message in the used Collection for the corresponding email id.

If user presses B, then application should display all mails related to the mail id.

If user presses 2, then application should accept username, password and email to create an account.

Note:

- You need not to interact with the Gmail application to display the mails, you just have to simulate the functionality.
- You need to create the main method with infinite loop