

# 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

- ❖ MySQL DB to store the Data
- ❖ Core Java to develop Console Based application
- ❖ JDBC & SQL to perform CURD operation on Data

## App Development – Assessment Description

1. Create a Database by name “Gmail”.
2. Create a Table by name “Account” with the following structure

User_Id	int (primary key)(auto-generated)
User_Name	varchar (50)
Password	varchar (50)
Email	varchar (50)

3. Create a Table by the name “Inbox” with the following structure

Message_Id	int (primary key)(auto-generated)
User_Id	int
Message	Varchar(500)

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 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 & message, and store the message in the DB 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.

Please note: You need not to interact with the Gmail application to display the mails, you just have to simulate the functionality.