

# 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 has a main method which takes input from console, which 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 following structure

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

3. Create a Table by Inbox with 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 press 1 application should accept email and password to login and show below options.

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

If user press A, then application should accept email id and message and send store the message in the DB for the email id.

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

If user press 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.