

ESS Portal 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 “ESS Portal 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 “Employee_DB”
2. Create a Table by name “Employee_Info” with the following structure

Employee_ID	Int (Primary Key)
Employee_Name	Varchar(50)
Employee_Type	Double
Email	Varchar(100)
Password	Varchar(50)

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

Employee_ID	Int (Primary Key)
Leave_Date	Varchar(50)
Leave_Status	Varchar(50)

4. Create a Java Program (let’s call this as an application henceforth) which has main method which prints the following options
 - Press 1 to register employee
 - Press 2 to login

If user press 1 then accept all the employee info and store in DB.

If user press 2 then accept id and password to login.

- ❖ If the user type is **Manger** then print these option
 - Press 1 to show all leave request
 - Press 2 to Approve/Reject leave request

If user Press 1 then application should print all the leave requests

e.g.

Employee_ID	Leave_Date	Leave_Status
101	25/09/2019	Pending
102	29/09/2019	Approved
101	24/09/2019	Rejected

If user Press 2 then accept the employee id and leave status (Approved/Rejected) to change and update it in the DB

- ❖ If user type is Employee then print these option
 - Press 1 to show all status of leave requests
 - Press 2 to request for a leave

If user press 1, then application should print all the leave requests from that employee.

If user press 2, then application should accept the leave request from the employee and add it to DB.