

Professionet Consultancy Services (PCS) Automation

Developed By

Name : J.JAFRIN SHAJINI

Reg_no : S211165200343

NIIT

PCS Automation

Batch : B210164

Start Date : 22/02/2020

End Date : 16/07/2020

Name Of the Coordinator : S.Dinesh Kumar

Name Of the Developer : J.Jafrin Shajini

Date of Submission : 13.06.2021

NIIT

CERTIFICATE

This is to certify that this report, titled Professionet Consultancy Services (PCS) Automation embodies the original work done by J .Jafrin Shajini, in partial fulfilment of his course requirement at NIIT.

Coordinator: S.Dinesh Kumar

Acknowledgement

I would like to thank my mentor Dinesh kumar and also the institute NIIT who helped me achieve this project on Professionet Consultancy Services. It helped me to do a lot on the research on the project and the environment.

I am really thankful for the staffs for helping me around in learning a lot of information during my learning process

Abstract

PCS Automation project helps to manage the employee portal and helps the company to register new employees to their company and would help their Employees to update their professional qualification on the company portal.

Configuration

Hardware : Acer i5 (11th gen), 8GB, 512GB

Operating System : Windows 10

Software : Eclipse, MySQL, JRE..

Table of Contents

Chapter 1- Introduction

1.1 Aim

1.2 Objectives

1.3 Case Study

Chapter 2- Project Requirement Specification

2.1 Literature Research

2.2 Statement of Requirements

Chapter 3- Project Analysis

3.1 Project Plan

3.2 System Architecture

3.3 Business Process Model

3.4 Software Requirement Specification

3.5 High Level Use Case Diagrams

Chapter 4- Project Design

4.1 Low Level Use Case Diagrams

4.2 User Interface Design

4.3 Systems Input and Output Design

4.4 Database Structure

4.5 Entity Relationship Diagram

4.6 Data Model

4.7 User-centred Interface Designs

4.8 Personas

4.9 Paper Prototypes

Aim

The Main aim of this Project is to create an application that can map all the employees of a company. Through this application an User can also register their application for a job inside the company.

Objectives:

The Objectives that are to be achieved through Skill Mapping Application are,

1. User Registration
2. Skill Map
3. Job Postings
4. Profile validation
5. Recruitment.

Before this application, these process were done manually.

Objectives

The Objectives that are to be achieved through Skill Mapping Application are,

1. User Registration
2. Skill Map
3. Job Postings
4. Profile validation
5. Recruitment.

Before this application, these process were done manually.

Literature Research

Introduction:

In order to map the Job seekers who could have be seeking for a job with a lot of talent in them, this application is developed.

In this Application the HR consultants could find lot more talent during the recruitment process. HR consultants were doing this process manually. In that manual process HR would take a lot of time in order to sort the proper talent.

Statement of Requirements

Title	- Pcs Automation
Subtitle	- Employee management portal
Author	- J.Jafrin Shajini
Author's Email	- jafrinshajini@gmail.com
Description	- Automated Consultancy service

About Your company:

Professionet consultancy services is a company which provides a wide range of business services to clients.

Need of Process Automation:

1. Saves a lot of time by making your process easy.
2. Improves the quality of your company
3. Helps to find the right talent
4. Adds quality to recruitment.

Software Requirements:

- Eclipse
- MYSQL
- JRE

Benefits:

- Pre-screening of candidates.
- Saves a lot of time to find the correct candidates.

Project Life Cycle

The Initiation Phase:

The initiation phase aims to define and authorize the project.

The Planning Phase:

The purpose of this phase is to lay down a detailed strategy of how the project has to be performed and how to make it a success.

Strategic Planning:

overall approach to the project

Implementation Planning:

ways to apply the decisions

The Execution Phase:

In this phase, the decisions and activities defined during the planning phase are implemented.

The Termination Phase:

This is the last phase of any project, and it marks the official closure of the project.

Database Structure

Employee:

```
create table Employee (empId int primary key auto_increment,  
                        FirstName varchar(255) not null,  
                        LastName varchar(255) not null, UserId varchar(255) not null,  
                        Password varchar(255) not null, Role varchar(255) not null,  
                        Gender varchar(255) not null, Active varchar(255) not null);
```

Skill:

```
create table Skill( SkillId int primary key auto_increment,  
                    SkillName varchar(255) not null,  
                    SkillDescription varchar(255) not null, Active varchar(255) not null);
```

Job:

```
create table Job( JobId int primary key auto_increment, JobTitle varchar(255) not null,  
                  JobDescription varchar(255) not null, CompanyName varchar(255) not null,  
                  Location varchar(255) not null, KeySkill varchar(255) not null,  
                  Salary Varchar(255), Active varchar(255) not null);
```

Empskill:

```
create table EmpSkill(EsId int primary key auto_increment, EmpId int, SkillId int,  
                      ExpYear int not null, foreign key (EmpId) references  
                      Employee (empId), foreign key (SkillId) references Skill(SkillId));
```

Empjob:

```
create table EmpJoB(EJId int primary key auto_increment, EmpId int,  
                    JobId int, Recruited varchar(255) not null,  
                    foreign key (EmpId) references Employee (empId),  
                    foreign key (JobId) references Job (JobId));
```

select * from Employee;

select * from job;

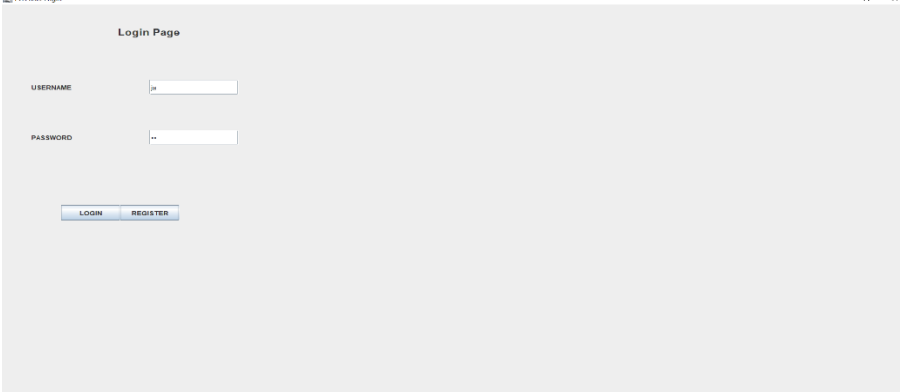
select * from skill;

select * from empskill;

select * from empjob

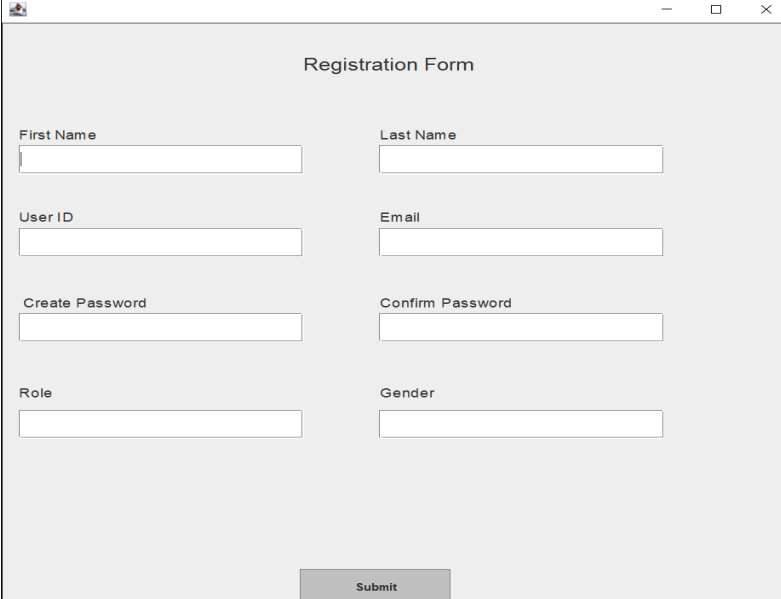
User Interface Diagram

Login :



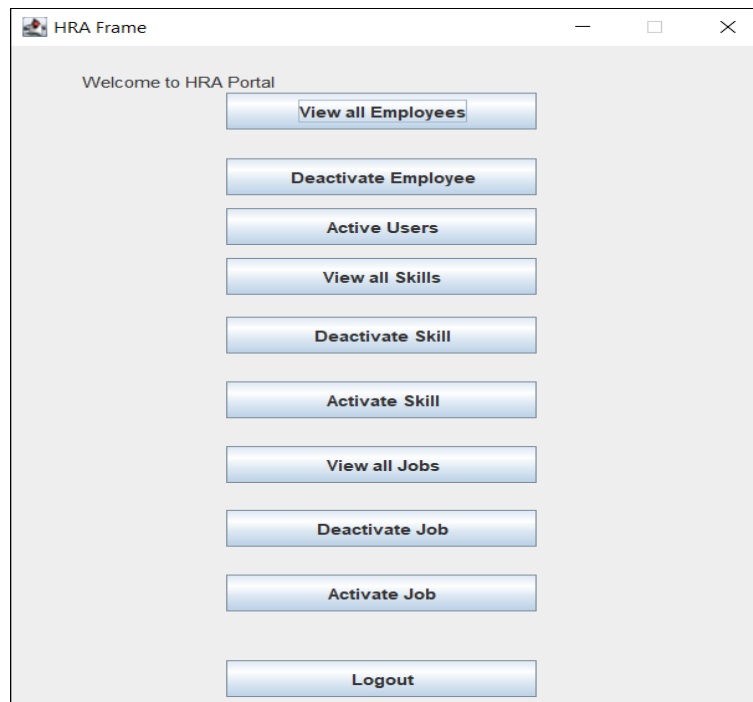
A screenshot of a web browser window titled "PCS User Login". The page is titled "Login Page". It features two input fields: "USERNAME" and "PASSWORD". Below these fields are two buttons: "LOGIN" and "REGISTER".

Registration:



A screenshot of a web browser window titled "Registration Form". The form contains several input fields arranged in two columns. The left column includes "First Name", "User ID", "Create Password", and "Role". The right column includes "Last Name", "Email", "Confirm Password", and "Gender". At the bottom center of the form is a "Submit" button.

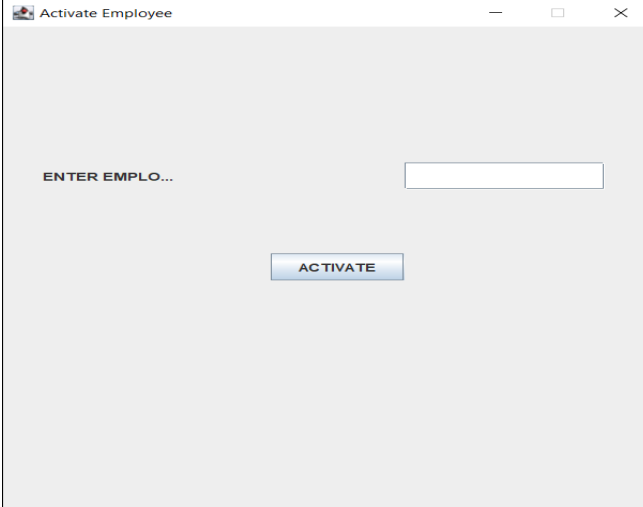
HRA



View All Employee

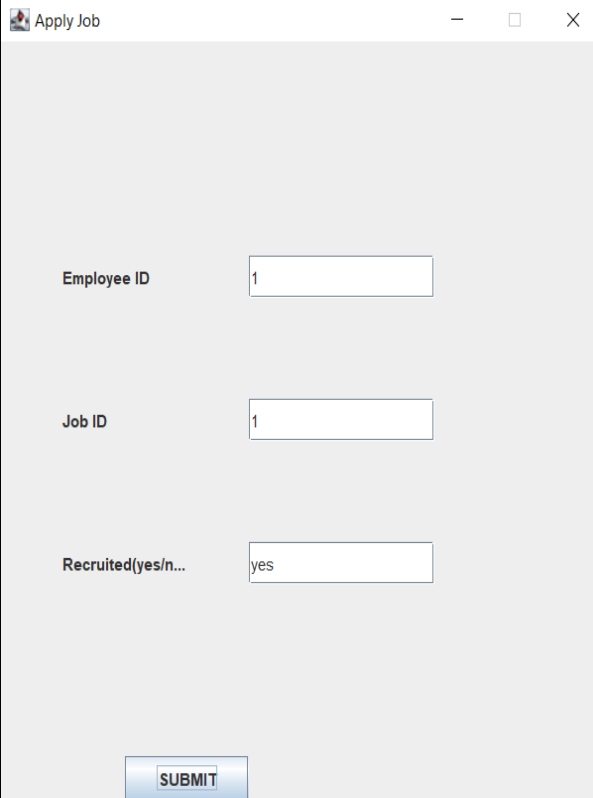
Employee Data						
1	jafrin	shajini	jafrinshajini@gmail.c	female	EMP	Active
2	jebisha	daphni	jebishadaphni@gmai	female	HRA	Active
3	ja	ja	ja@gmail.com	female	PME	Active

Activate Employee:



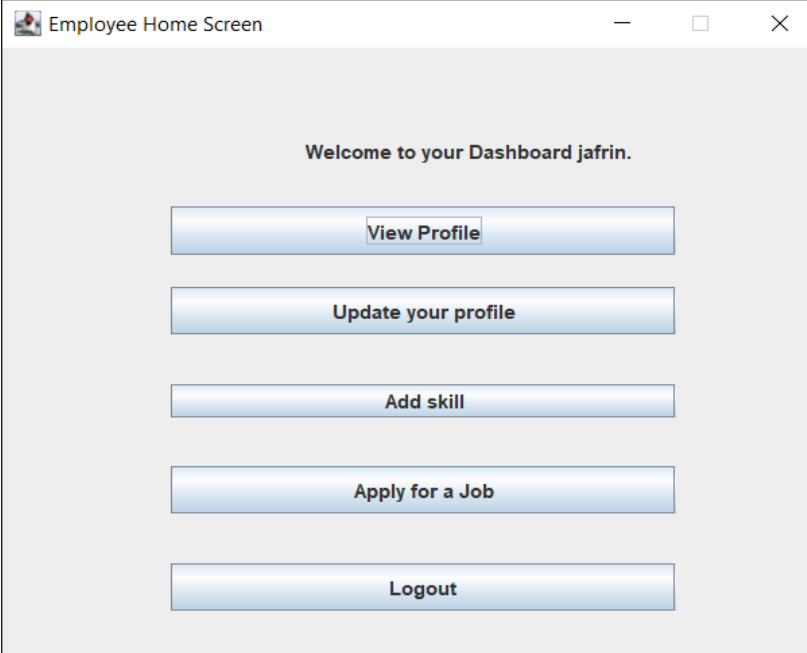
A screenshot of a software window titled "Activate Employee". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. The main content area is light gray. It contains a label "ENTER EMPLO..." followed by a text input field. Below the input field is a blue button with the text "ACTIVATE".

Apply Job



A screenshot of a software window titled "Apply Job". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. The main content area is light gray. It contains three labels with corresponding text input fields: "Employee ID" with the value "1", "Job ID" with the value "1", and "Recruited(yes/n..." with the value "yes". At the bottom of the window is a blue button with the text "SUBMIT".

EMP:



Employee Home Screen

Welcome to your Dashboard jafrin.

View Profile

Update your profile

Add skill

Apply for a Job

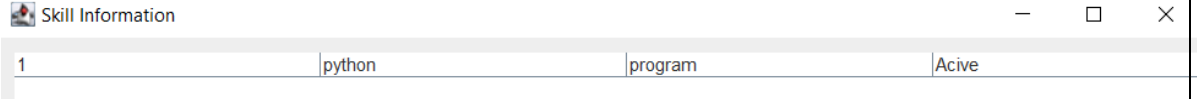
Logout

View Job:



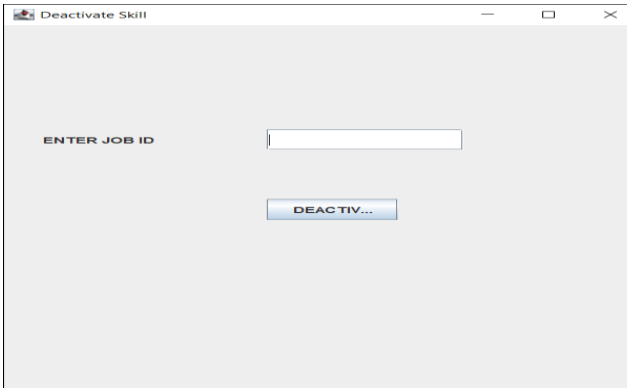
1	Leadership	sfdsf	qeq	dafsf	csv	30000	Active
---	------------	-------	-----	-------	-----	-------	--------

View Skill:



1	python	program	Active
---	--------	---------	--------

Deactivate Job:

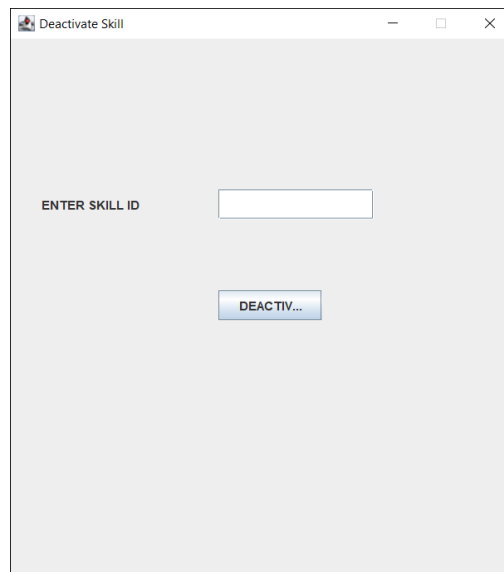


Deactivate Skill

ENTER JOB ID

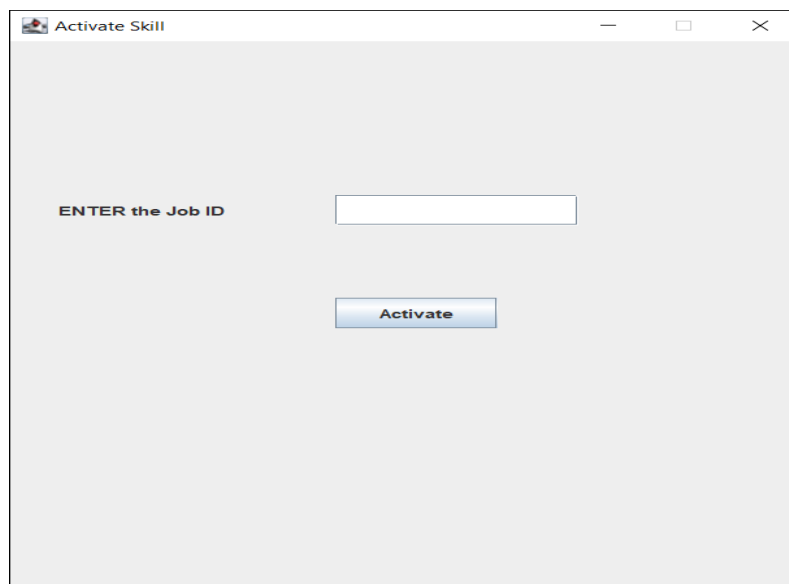
DEACTIV...

Deactivate Skill:



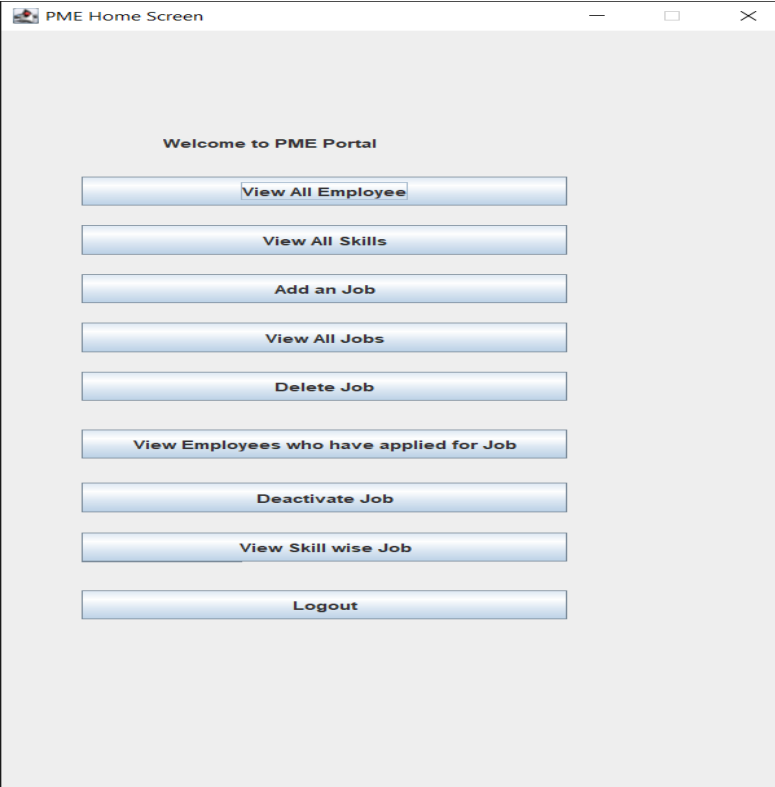
A screenshot of a Windows-style dialog box titled "Deactivate Skill". The dialog has a light gray background and a standard title bar with minimize, maximize, and close buttons. Inside the dialog, the text "ENTER SKILL ID" is positioned to the left of a white text input field. Below the input field is a blue button with the text "DEACTIV..." in white.

Activate Job:



A screenshot of a Windows-style dialog box titled "Activate Skill". The dialog has a light gray background and a standard title bar with minimize, maximize, and close buttons. Inside the dialog, the text "ENTER the Job ID" is positioned to the left of a white text input field. Below the input field is a blue button with the text "Activate" in white.

PME:



PME Home Screen

Welcome to PME Portal

View All Employee

View All Skills

Add an Job

View All Jobs

Delete Job

View Employees who have applied for Job

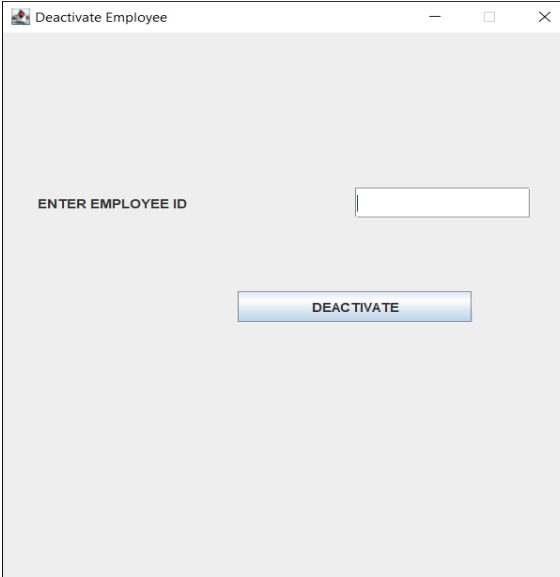
Deactivate Job

View Skill wise Job

Logout

The image shows a web application window titled "PME Home Screen". It features a light gray background with a central column of ten blue buttons. The buttons are labeled: "View All Employee", "View All Skills", "Add an Job", "View All Jobs", "Delete Job", "View Employees who have applied for Job", "Deactivate Job", "View Skill wise Job", and "Logout". Above the buttons, the text "Welcome to PME Portal" is displayed. The window has a standard title bar with a minimize button, a maximize button, and a close button.

Deactivate Employee:



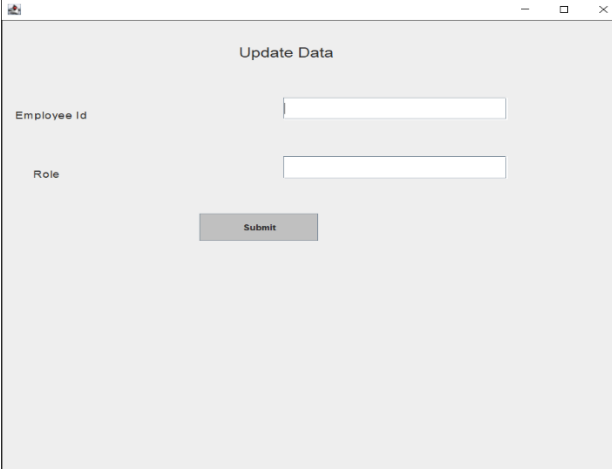
Deactivate Employee

ENTER EMPLOYEE ID

DEACTIVATE

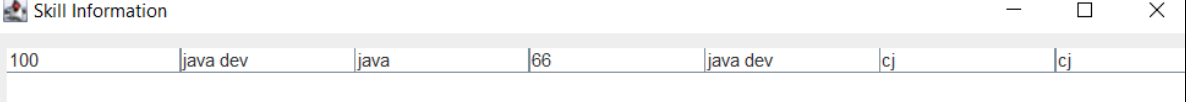
The image shows a web application window titled "Deactivate Employee". It has a light gray background. On the left side, the text "ENTER EMPLOYEE ID" is displayed. To the right of this text is a white rectangular input field. Below the input field, centered, is a blue button labeled "DEACTIVATE". The window has a standard title bar with a minimize button, a maximize button, and a close button.

Update Employee:



A screenshot of a web application window titled "Update Data". The window has a light gray background and a standard window control bar at the top. Inside the window, there are two text input fields. The first field is labeled "Employee Id" and the second is labeled "Role". Below these fields is a gray button labeled "Submit".

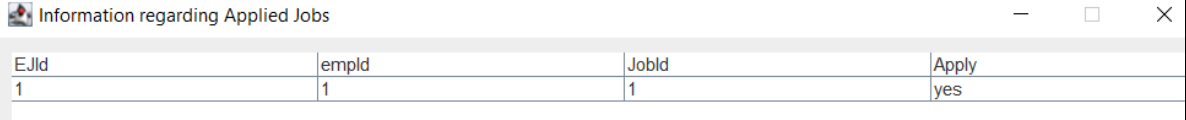
Skill mapped with employee and job:



A screenshot of a web application window titled "Skill Information". The window has a light gray background and a standard window control bar at the top. Below the title bar is a table with 7 columns. The first column contains the value "100", the second "java dev", the third "java", the fourth "66", the fifth "java dev", the sixth "cj", and the seventh "cj".

100	java dev	java	66	java dev	cj	cj

Applied for the job



A screenshot of a web application window titled "Information regarding Applied Jobs". The window has a light gray background and a standard window control bar at the top. Below the title bar is a table with 4 columns: "EJId", "empld", "JobId", and "Apply". The first row of data shows the values "1", "1", "1", and "yes".

EJId	empld	JobId	Apply
1	1	1	yes