Java Web Development Basics

Workshop: JSF

Sboj.gb

Sboj.gb is an application for job offers. You have been tasked to implement this application for an unusually low price, by an unusually rich client. There are several requirements you must follow in the implementation.

1. Database Requirements

The **Database** of the **Sboj.gb** application needs to support **2 entities**:

User

- Has an **Username**
- Has a **Password**
- Has an **Email**

Job Application

- Has a **Sector**
- Has a **Profession**
- Has a **Salary**
- Has a **Description**

Implement the entities with the **correct datatypes**, and implement **repositories** for them.

Page Requirements

Index Page (logged out user)

Login Page (logged out user)

Sboj.gb   Home   Login   Register

Login

Username

Password

Login

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Register Page (logged out user)

Sboj.gb   Home   Login   Register

Register

Username

Password

Confirm Password

Email

Register

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Home Page (logged in user)

Sboj.gb   Home   Add Job   Logout

Welcome, $(username)

Local Nurse
Details
Delete

Car Mechanic
Details
Delete

Security Guard
Details
Delete

Add Job Page (logged in user)

Sboj.gb   Home   Add Job   Logout

Add Job

Sector

Profession

Salary

Description

Register

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Job Details Page (logged in user)

Sboj.gb		Home	Add Job	Logout

Job Details

Sector
Medicine

Profession
Local Nurse

Salary
$4500.00

Description
A young private nursery is looking for a local nurse for its new office in Chicago Downtown. The work time is full-time job.

Job Delete Page (logged in user)

Sboj.gb		Home	Add Job	Logout

Delete Job

Sector
Medicine

Profession
Local Nurse

Salary
4500.00

Description
A local nurse...

Delete Job

The templates have been given to you in the application skeleton, so make sure you implement the pages correctly.

NOTE: The templates should look **EXACTLY** as shown above.

NOTE: The templates do **NOT require additional CSS** for you to write. Only **bootstrap** and the **given css** are enough.

Functional Requirements

The **Functionality Requirements** describe the functionality that the **Application** must support.

The **application** should provide **Guest** (not logged in) users with the functionality to **login**, **register** and **view** the **Index** page.

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The **application** should provide **Users** (logged in) with the functionality to `logout`, **create** a `Job`, **view details** about a `Job`, **delete** a `Job`, and **view all Jobs** (**Home page**).

The **application** should provide **functionality** for **adding jobs** with **only 5 sectors** – "`Medicine`", "`Car`", "`Food`", "`Domestic`", "`Security`".

The **application** should **store** its **data** into a `MySQL` database, using `Hibernate` native.

Security Requirements

The `Security Requirements` are mainly access requirements. Configurations about which users can access specific functionalities and pages.

- **`Guest`** (not logged in) users can access **Index** page.
- **`Guest`** (not logged in) users can access **Login** page.
- **`Guest`** (not logged in) users can access **Register** page.
- **`Users`** (logged in) can access **Home** page.
- **`Users`** (logged in) can access **Job Details** page.
- **`Users`** (logged in) can access **Job Delete** page.
- **`Users`** (logged in) can access **Add Job** page.
- **`Users`** (logged in) can access **Logout** functionality.