### **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**

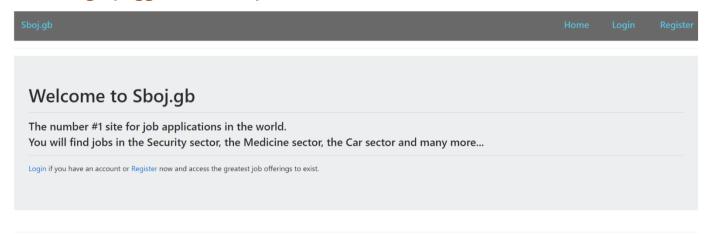
#### **Job Application**

- 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)**



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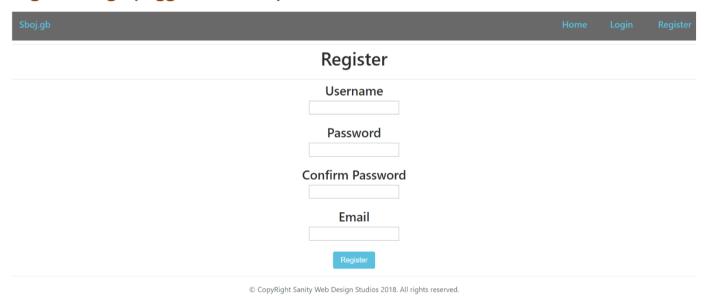


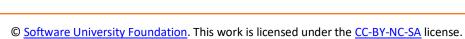


# **Login Page (logged out user)**



# **Register Page (logged out user)**















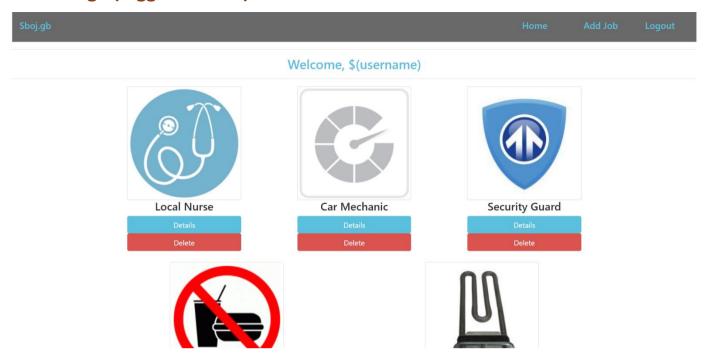




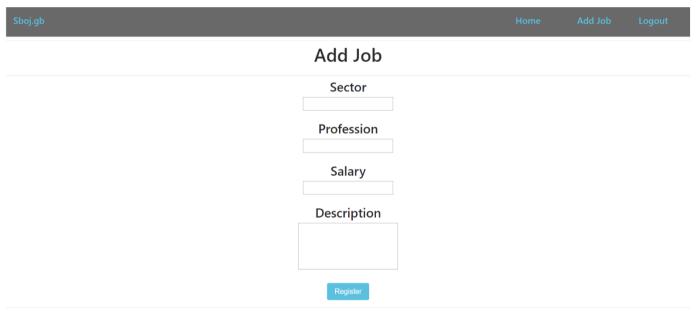




### Home Page (logged in user)



### Add Job Page (logged in user)



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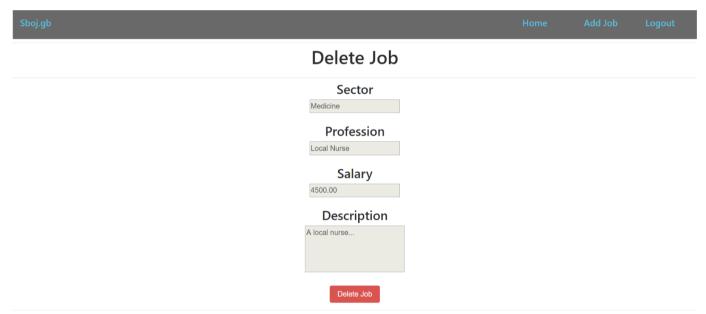


#### Job Details Page (logged in user)



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#### **Job Delete Page (logged in user)**



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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.





















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.



