

# +Java Web Development Basics

## Exam Preparation

### Sboj.gb

Exam Preparation problems for the [“Java Web Development Basics” course @ SoftUni](#). Submit your solutions on the course page, so that you can be evaluated by your fellow colleagues.

**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)

[Sboj.gb](#)[Home](#)[Login](#)[Register](#)

## Welcome to Sboj.gb

The number #1 site for job applications in the world.  
You will find jobs in the Security sector, the Medicine sector, the Car sector and many more...

[Login](#) if you have an account or [Register](#) now and access the greatest job offerings to exist.

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### 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





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Page 3 of 5

## Add Job Page (logged in user)

[Sboj.gb](#)[Home](#)[Add Job](#)[Logout](#)

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### Add Job

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Sector

Profession

Salary

Description

[Register](#)

## Job Details Page (logged in user)

[Sboj.gb](#)[Home](#)[Add Job](#)[Logout](#)

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### Job Details

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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.

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## 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

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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.