

Exercised Case study for implementation with Spring MVC

The Employee management application

They are two types of Employee groups for the system

Admin and General.

The Admin user is single and built-in into the system database.

The new employees will be applying for registration in general category by submitting their information details online.

The Employee details are

Name

Surname

Email_id

House Number

Address location

Date of Birth

The Employee id number will be atomically generated upon successful registration into the system and a new password will be generated, which the employee can update.

Provide registration and login page (login with Employee id) for employees with validation support for following criteria

The Name and Surname should not be blank and should be atleast 3 characters and max 10 characters in length.

The Email id should be in valid. format

The House number should not be negative and should not start with a character and max value is 5500.

The location should not be more than 15 characters and should not contain white spaces between the words.

The employee age should be between 21 and 25year at time of registration.

In the login page the password should be between 6 and 10 characters in length.

The login id should be always a positive number and should not contain any characters.

This login page is common for both categories of employees.

Prevent the reload and refresh behaviour for login and registration pages.

For the admin employee home page after successful login will contain two links of pages for a managing employees (hire, fire and hold) and assigning tasks for existing employees.

While general employee's home page after successful login will display list of task descriptions assigned by the admin for the particular employee, whom the employee can update as completed, pending or hold statutes.

The manage employee and task assignment pages should not be directly accessible to anyone. These pages should only be accessible after successful login validate by the main controller and should throw error status as 500 if tried to access them directly.

In manage employee page the admin can recruit/add the newly register employees and generate password and employee id values for newly hired employee. In the same page the admin should be able to add the status as rejected or recruited.

In the task page the admin should be able to add new tasks for existing employees.
