**Employee Registration Management System**

**Summary:**

This is a Web 2.0 Application that allows the registration of Employee details in the system. This application provides the organization with insights into their workforce and helps in better tracking them. Since this is a Web 2.0 Application, the Users can consume as well as produce the data i.e., Employees and Admins can read the existing Employee records as well as add, modify, and remove the records based on the rights assigned to them. There is also a additional feature to manage posts/updates in the organization.

**Purpose:**

* Managing Employee Registration – CRUD operations
* Managing Posts posted by the Employees – CRD operations

**Users:**

* Admin Employee
* Regular Employee

**Database Tables:**

* User
* Post

**Features:**

* **Admin Employees**
  + Access to CRUD operations over all the Employees data
  + Access to CRD operations over all the Employee Posts
* **Regular Employees**
  + Access to R operation over all the Employees data
  + Access to U operation over their personal data
  + Access to CR operations over all the Employee Posts
  + Access to D operation over their personal post
  + Cannot change their details like First Name, Last Name, Admin access and Email ID except Password (they need to approach Admin employees to change these fields)
* **Session Timeout:** 120 sec (Adjusted to 2min for the purpose of demonstration)
* **Login, Logout options**

**UI differences:**

* **Admin Employees**
  + Welcome page has all links to all the above-mentioned operations
* **Regular Employees**
  + Different welcome page compared to Admin welcome page
  + Doesn’t have option to Create New Employee, Delete Employee record in the nav bar of welcome page

**Validations:**

* Login Page - Valid combination of Username and Password must be provided
* Cannot a create/update an Employee with empty/all spaces Email ID or Password
* Cannot create post with empty/all spaces subject or content

**Technical Stack:**

* **Client-side:** HTML, CSS, JSP
* **Server-side:** Spring Boot, Hibernate
* **Database:** MySQL
* **Server:** Apache Tomcat

**Screenshots of the Application:**

**Login Page**

**Shape, rectangle

Description automatically generated**

**Welcome Page - Admin**

**Graphical user interface, text

Description automatically generated with medium confidence**

**Welcome Page – Regular Employee**

**Graphical user interface

Description automatically generated**

**Employee Directory**

**Shape

Description automatically generated with medium confidence**

**Register Employee**

**Graphical user interface

Description automatically generated with medium confidence**

**Update Employee**

**A picture containing shape

Description automatically generated**

**Remove Employee**

**A picture containing shape

Description automatically generated**

**Post Update**

**A picture containing shape

Description automatically generated**

**View Posts**

**Graphical user interface, text

Description automatically generated**

**Remove Post**

**Shape

Description automatically generated with medium confidence**

**Database – user Table**

**Graphical user interface, text

Description automatically generated**

**Database – post Table**

**Graphical user interface, text, application

Description automatically generated**