

# Assignment 01

Total Duration: 7days

## # Challenge

- User login page
  - Users can log in to the system by entering username & password. The system needs to check the following,
    - Form validation.
    - Error message.
    - Backend validation.
  - After a successful login, the user should be redirected to the System Dashboard.
- Dashboard page
  - System dashboard should include the following,
    - Total registered employee count.
    - Active employee count.
    - Deactivated employee count.
- Employee Management page
  - User can search employees using the following search criteria by clicking on the Search button,
    - Employee Code (text field)
    - Employee NIC (text field)
    - Employee Name (text field)
    - All (default) / Active / Inactive (dropdown)
  - The user can reset search criteria & search results by clicking on the Reset button.
  - The user can add a new Employee by clicking on the “New” Button. After clicking on the button, the user will display an Employee Registration popup dialog. Registration form should have the following fields,
    - Employee Code (text field)
    - First Name (text field)
    - Last Name (text field)
    - Address (text field)
    - NIC (text field)
    - Mobile No (text field)
    - Gender (radio button)
    - E-mail (text field)
    - Designation - Master Data (dropdown)
    - Profile Image (File chooser)
    - Date of birth (date picker)
    - Status (Active / Inactive) (dropdown)

- Search results should appear in the table. The table format should follow headers,
  - Employee Code
  - Full Name
  - Address
  - NIC
  - Mobile No
  - Designation
  - Status
  - Action – This column should have included a View & Edit button.
- If a user clicks the View button, the user can view the user registration details. Also, the user can download the Employee detail report in PDF & Excel formats.
- If a user clicks the Edit button, the user can edit user registration details. without followings,
  - Employee no
  - Gender
  - Date of Birth

## # Technologies & Tools

- Language: **Java**
- Framework Or Stack: **WEB EE (JSP) Project**
- ER diagram: **Workbench**
- Database: **MySQL**
- Tool: **NetBeans or IntelliJ**
- Report: **iReport (PDF), HTML Print preview (PDF) & iText (Excel)**