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Spring Boot 9AM

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Mini Project Stages

Stage#1 Register Employee [Done]
Stage#2 Display Data [Done]
Stage#3 Delete By Id [Done]
Stage#4 Edit Page and Update Data [DONE]
Stage#5 UI Bootstrap Design
Stage#6 UI-JQuery Validation
Stage#7 AJAX validation
Stage#8 Error Page Handling
Stage#9 Exception Handling
Stage#10 Log Implementation

Bootstrap: It is a readymade CSS API given by Twitter.

---EmployeeRegister.html---

```
<!DOCTYPE html>
<html xmlns:th="https://www.thymeleaf.org/">
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<link rel="stylesheet"
      href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css" />
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js">
</script>
<script
      src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/u
md/popper.min.js"></script>
<script
      src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootst
rap.min.js"></script>
</head>
<body>
<!-- Menubar start -->
<nav class="navbar navbar-expand-lg navbar-light bg-info">
  <a class="navbar-brand text-white" href="#">EMPLOYEE APP</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>

  <div class="collapse navbar-collapse" id="navbarSupportedContent">
    <ul class="navbar-nav mr-auto">

      <li class="nav-item">
        <a class="nav-link text-white"
th:href="@{/employee/register}">REGISTER</a>
      </li>
      <li class="nav-item">
```

```

        <a class="nav-link text-white" th:href="@{/employee/all}">VIEW
ALL</a>
    </li>
</ul>
</div>
</nav>

<!-- Menubar end -->

    <div class="container">

        <div class="card">
            <div class="card-header bg-primary text-white
text-center">
                <h2>EMPLOYEE REGISTER PAGE</h2>

            </div>

            <div class="card-body">
                <!-- <a th:href="@{/employee/all}"
class="btn btn-info"> >> VIEW ALL >> </a> -->
                <form th:action="@{/employee/save}"
method="POST">

                    <div class="row">
                        <div class="col-3">

<label>NAME</label>

                        </div>
                        <div class="col-4">
                            <input
type="text" name="empName" class="form-control" />
                        </div>
                        <div class="col-5">
                            <span
id="Error"></span>

                        </div>
                    </div>

                    <div class="row">
                        <div class="col-3">

<label>SALARY</label>

                        </div>
                        <div class="col-4">
                            <input
type="text" name="empSal" class="form-control"/>
                        </div>
                        <div class="col-5">
                            <span
id="Error"></span>

                        </div>
                    </div>

                    <div class="row">
                        <div class="col-3">

```

```

<label>DEPARTMENT</label>

name="empDept" class="form-control">
<option value="">-SELECT-</option>
<option value="DEV">DEV</option>
<option value="QA">QA</option>
<option value="BA">BA</option>
<option value="MS">MS</option>

id="Error"></span>

<label>ADDRESS</label>

name="empAddr" class="form-control"></textarea>

id="Error"></span>

value="Add Employee" class="btn btn-success"/>
</form>
</div>

<div th:if="${message!=null}" class="card-
footer bg-info text-white">
    <span th:text="${message}"></span>
</div>
</div>
<!-- card end -->

</div>
<!-- container End -->
</body>
</html>

-----EmployeeData.html-----
<html xmlns:th="https://www.thymeleaf.org/">

```

```

<head>
<link rel="stylesheet"
      href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css" />
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js">
</script>
<script
      src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/u
md/popper.min.js"></script>
<script
      src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootst
rap.min.js"></script>

</head>
<body>
<!-- Menubar start -->
<nav class="navbar navbar-expand-lg navbar-light bg-info">
  <a class="navbar-brand text-white" href="#">EMPLOYEE APP</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>

  <div class="collapse navbar-collapse" id="navbarSupportedContent">
    <ul class="navbar-nav mr-auto">

      <li class="nav-item">
        <a class="nav-link text-white"
th:href="@{/employee/register}">REGISTER</a>
      </li>
      <li class="nav-item">
        <a class="nav-link text-white" th:href="@{/employee/all}">VIEW
ALL</a>
      </li>
    </ul>
  </div>
</nav>

<!-- Menubar end -->

  <div class="container">

    <div class="card">
      <div class="card-header bg-primary text-white
text-center">
        <h2>EMPLOYEE DATA PAGE</h2>

      </div>

      <div class="card-body">
        <!-- <a
th:href="@{/employee/register}" class="btn btn-success"> >> ADD
EMPLOYEE >> </a> -->

        <table class="table table-hover">
          <tr class="bg-info text-

```

white">

```
<th>ID</th>
<th>NAME</th>
<th>SAL</th>
<th>DEPT</th>
<th>ADDR</th>
<th>HRA</th>
<th>TA</th>
<th>OPERATIONS</th>
```

```
</tr>
<tr th:each="ob:${list}">
```

```
th:text="${ob.empId}"></td>
th:text="${ob.empName}"></td>
th:text="${ob.empSal}"></td>
th:text="${ob.empDept}"></td>
th:text="${ob.empAddr}"></td>
th:text="${ob.empHra}"></td>
th:text="${ob.empTa}"></td>
```

```
<td>
<td>
<td>
<td>
<td>
<td>
<td>
<td>
<a
th:href="@{/employee/delete(id=${ob.empId})}" class="btn btn-danger">
DELETE </a> |
<a
th:href="@{/employee/edit(id=${ob.empId})}" class="btn btn-success">
EDIT </a></td>
```

```
</tr>
```

```
</table>
```

```
</div>
```

```
<div th:if="${msg!=null}" class="card-footer
bg-info text-white">
```

```
<span th:text="${msg}"></span>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

```
-----EmployeeEdit.html---
```

```
<!DOCTYPE html>
```

```
<html xmlns:th="https://www.thymeleaf.org/">
```

```
<head>
```

```
<meta charset="ISO-8859-1">
```

```
<title>Insert title here</title>
```

```
<link rel="stylesheet"
```

```
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css" />
```

```
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js">
```

```
</script>
```

```
<script
```

```

        src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/um
md/popper.min.js"></script>
<script
        src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootst
rap.min.js"></script>
</head>
<body>

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data-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mr-auto">

            <li class="nav-item">
                <a class="nav-link text-white"
th:href="@{/employee/register}">REGISTER</a>
            </li>
            <li class="nav-item">
                <a class="nav-link text-white" th:href="@{/employee/all}">VIEW
ALL</a>
            </li>
        </ul>
    </div>
</nav>

<!-- Menubar end -->

    <div class="container">

        <div class="card">
            <div class="card-header bg-primary text-white
text-center">
                <h2>EMPLOYEE EDIT PAGE</h2>
            </div>

            <div class="card-body">
                <form th:action="@{/employee/update}"
method="POST" th:object="${employee}">

                    <div class="row">
                        <div class="col-3">

<label>ID</label>

                        </div>
                        <div class="col-4">
                            <input
type="text" th:field="*{empId}" class="form-control" readOnly/>

```

```

        </div>
        <div class="col-5">
            <span
id="Error"></span>
        </div>
    </div>

    <div class="row">
        <div class="col-3">

<label>NAME</label>

        </div>
        <div class="col-4">
            <input
type="text" th:field="*{empName}" class="form-control" />
        </div>
        <div class="col-5">
            <span
id="Error"></span>
        </div>
    </div>

    <div class="row">
        <div class="col-3">

<label>SALARY</label>

        </div>
        <div class="col-4">
            <input
type="text" th:field="*{empSal}" class="form-control"/>
        </div>
        <div class="col-5">
            <span
id="Error"></span>
        </div>
    </div>

    <div class="row">
        <div class="col-3">

<label>DEPARTMENT</label>

        </div>
        <div class="col-4">
            <select
th:field="*{empDept}" class="form-control">
<option value="">-SELECT-</option>
<option value="DEV">DEV</option>
<option value="QA">QA</option>
<option value="BA">BA</option>
<option value="MS">MS</option>

```

```

                                </select>
                                </div>
                                <div class="col-5">
                                    <span
id="Error"></span>
                                </div>
                            </div>

                            <div class="row">
                                <div class="col-3">

<label>ADDRESS</label>

                                </div>
                                <div class="col-4">
                                    <textarea
th:field="*{empAddr}" class="form-control"></textarea>
                                </div>
                                <div class="col-5">
                                    <span
id="Error"></span>
                                </div>
                            </div>
                            <input type="submit"
value="Update Employee" class="btn btn-success"/>
                        </form>
                    </div>

                </div>
                <!-- card end -->

            </div>
            <!-- container End -->
</body>
</html>

```