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Section: CSE A

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Week 3

1. Design the student bio-data form using button, label, textbox, radio button, table and checkbox.

- HTML:

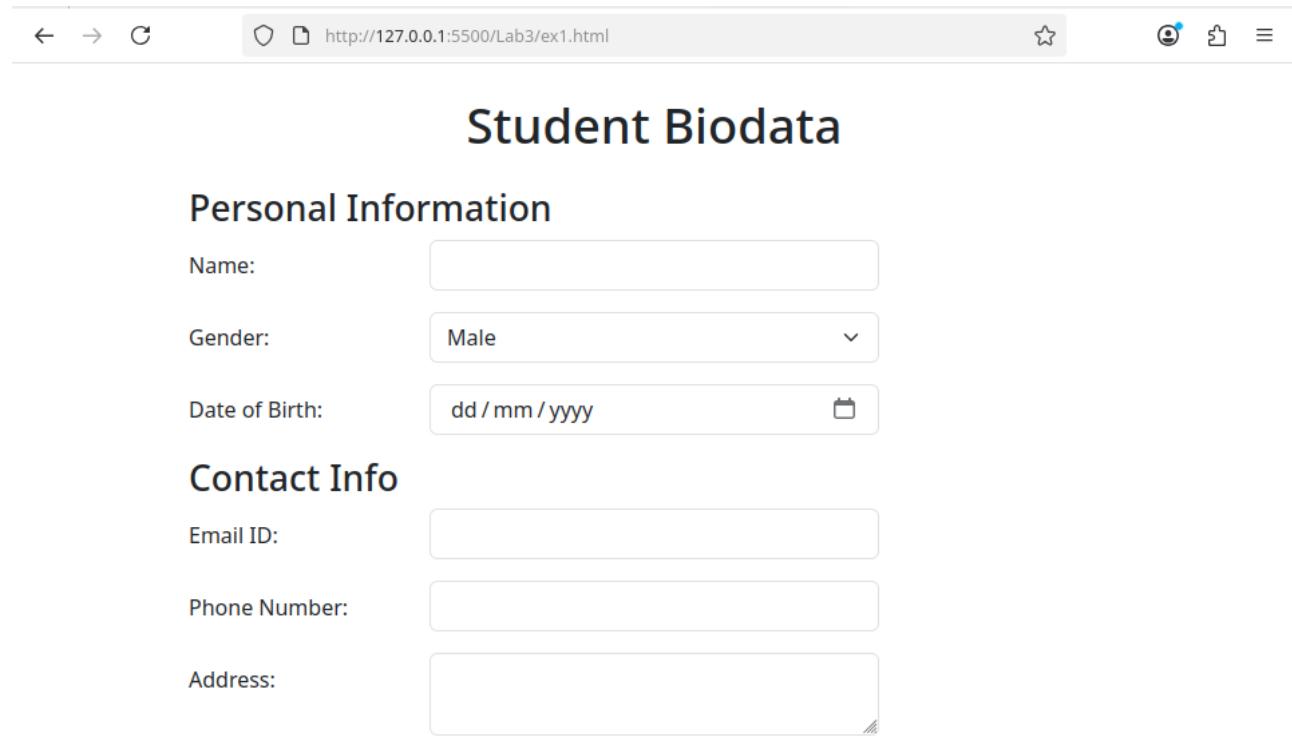
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Biodata</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-sRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB" crossorigin="anonymous">
    <script defer src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js" integrity="sha384-FKyoEForCGlyvwX9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI" crossorigin="anonymous"></script>
</head>
<body>
    <div class="container mt-4">
        <h1 class="text-center mb-4">Student Biodata</h1>
        <form>
            <h3>Personal Information</h3>
            <div class="row mb-3">
                <label for="name" class="col-sm-3 col-form-label">Name:</label>
                <div class="col-sm-6">
                    <input type="text" id="name" class="form-control" required>
                </div>
            </div>
            <div class="row mb-3">
                <label for="gend" class="col-sm-3 col-form-label">Gender:</label>
                <div class="col-sm-6">
                    <select id="gend" class="form-select">
                        <option value="Male">Male</option>
                        <option value="Female">Female</option>
                        <option value="Other">Other</option>
                    </select>
                </div>
            </div>
        </div>
    </form>
</body>
```

```
<div class="row mb-3">
    <label for="bdate" class="col-sm-3 col-form-label">Date of Birth:</label>
        <div class="col-sm-6">
            <input type="date" id="bdate" class="form-control">
        </div>
    </div>

    <h3>Contact Info</h3>
    <div class="row mb-3">
        <label for="email" class="col-sm-3 col-form-label">Email ID:</label>
            <div class="col-sm-6">
                <input type="email" id="email" class="form-control">
            </div>
        </div>
        <div class="row mb-3">
            <label for="phone" class="col-sm-3 col-form-label">Phone Number:</label>
                <div class="col-sm-6">
                    <input type="tel" id="phone" class="form-control">
                </div>
            </div>
            <div class="row mb-3">
                <label for="addr" class="col-sm-3 col-form-label">Address:</label>
                    <div class="col-sm-6">
                        <textarea id="addr" class="form-control"></textarea>
                    </div>
                </div>
                <h3>Academic Info</h3>
                <div class="row mb-3">
                    <label for="course" class="col-sm-3 col-form-label">Course:</label>
                        <div class="col-sm-6">
                            <input type="text" id="course" class="form-control">
                        </div>
                    </div>
                    <div class="row mb-3">
                        <label for="dept" class="col-sm-3 col-form-label">Department:</label>
                            <div class="col-sm-6">
                                <input type="text" id="dept" class="form-control">
                            </div>
                        </div>
                        <div class="row mb-3">
                            <label for="year" class="col-sm-3 col-form-label">Year:</label>
                                <div class="col-sm-6">
                                    <input type="number" id="year" class="form-control" min="1" max="4">
                                </div>
                            </div>
                            <div class="row mb-3">
```

```
        <label for="file" class="col-sm-3 col-form-label">Upload  
your passport-sized photo:</label>  
        <div class="col-sm-6">  
            <input type="file" id="file" class="form-control"  
accept="image/*" min="1" max="4">  
        </div>  
    </div>  
    <div class="row mb-3">  
        <div class="col-sm-9 text-center">  
            <button type="submit" class="btn btn-primary">Submit</button>  
            <button type="reset" class="btn btn-secondary">Reset</button>  
        </div>  
    </div>  
  
    </form>  
</div>  
</body>  
</html>
```

- Output:



2. Design a web page which shows the database-oriented CRUD operation. Consider Employee data.

- HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Employee CRUD</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-SRl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB" crossorigin="anonymous">
```

```
<script defer
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js" integrity="sha384-FKyoEForCGLyvwX9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI"
crossorigin="anonymous"></script>
<script src="https://code.jquery.com/jquery-4.0.0.min.js"></script>
<script src="ex2.js" defer></script>
</head>
<body>
<div class="bg-light">
    <div class="container mt-5">
        <div class="card">
            <div class="card-header bg-primary text-white text-center">
                <h4>Employee Management</h4>
            </div>
            <div class="card-body">
                <form id="empform" class="row g-3 mb-4">
                    <input type="hidden" id="editindex">
                    <div class="col-md-3">
                        <input type="number" id="id" class="form-control" placeholder="Employee ID" required>
                    </div>
                    <div class="col-md-3">
                        <input type="text" id="name" class="form-control" placeholder="Name" required>
                    </div>
                    <div class="col-md-3">
                        <input type="text" id="dept" class="form-control" placeholder="Department" required>
                    </div>
                    <div class="col-md-3">
                        <input type="number" id="salary" class="form-control" placeholder="Salary" required>
                    </div>
                    <div class="col-md-1 d-grid">
                        <button class="btn btn-success" type="submit">Save</button>
                    </div>
                </form>
                <table class="table table-bordered table-striped text-center">
                    <thead class="table-dark">
                        <tr>
                            <th>ID</th>
                            <th>Name</th>
                            <th>Dept</th>
                            <th>Salary</th>
                            <th>Actions</th>
                        </tr>
                    </thead>
                    <tbody id="emptable">
                    </tbody>
                </table>
            </div>
```

```

        </div>
    </div>
</div>
</body>
</html>

```

- JS:

```

let employees = [];
function showtable(){
    $("#emptable").html("");
    for(let i = 0; i < employees.length; i++){
        $("#emptable").append(
            `<tr>
                <td>${employees[i].id}</td>
                <td>${employees[i].name}</td>
                <td>${employees[i].dept}</td>
                <td>${employees[i].salary}</td>
                <td>
                    <button class="btn btn-sm btn-warning"
onclick="editemp(${i})">Edit</button>
                    <button class="btn btn-sm btn-danger"
onclick="deleteemp(${i})">Delete</button>
                </td>
            </tr>
        `
    )
}
$(document).ready(function(){
    $("#empform").submit(function(e){
        e.preventDefault();
        let emp = {
            id: $("#id").val(),
            name: $("#name").val(),
            dept:$("#dept").val(),
            salary: $("#salary").val()
        };
        let pos = $("#editindex").val();
        if(pos == "") employees.push(emp);
        else{
            employees[pos] = emp;
            $("#editindex").val("");
        }
        this.reset();
        showtable();
    })
});
function deleteemp(i){
    employees.splice(i, 1);
    showtable();
}

```

```
function editemp(i){
    $("#id").val(employees[i].id);
    $("#name").val(employees[i].name);
    $("#dept").val(employees[i].dept);
    $("#salary").val(employees[i].salary);
    $("#editindex").val(i);
}
```

- Output:

The figure consists of three side-by-side screenshots of a web browser displaying a table with employee data. Each screenshot shows a different state of the table row for employee ID 1.

- Create and Read:** Shows a table with one row containing ID 1, Name Sap, Dept Technical, and Salary 123700. The 'Actions' column contains 'Edit' and 'Delete' buttons.
- Update:** Shows the same table row after an update. The 'Dept' field now contains HRD. The 'Actions' column still contains 'Edit' and 'Delete' buttons.
- Delete:** Shows the table after the row has been deleted. The table is empty, and the 'Actions' column is no longer visible.

3. Create a web page using bootstrap as mentioned. Divide the page into 2 parts top and bottom, then divide the bottom into 3 parts and design each top and bottom part using different input groups, input, badges, buttons and button groups. Make the design more attractive.

- HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Web Page</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-SRIl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB" crossorigin="anonymous">
        <script defer
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js" integrity="sha384-FKyoEForCGlyvwX9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI" crossorigin="anonymous"></script>

</head>
<body>
    <div class="container mt-4">
        <div class="card mb-4 p-3">
            <h5>Top Section <span class="badge bg-primary">New</span></h5>
            <div class="input-group mb-3">
```

```
        <span class="input-group-text">Search</span>
        <input type="text" class="form-control" placeholder="Type
here">
            <button class="btn btn-success">Go</button>
        </div>
        <button class="btn btn-primary">Submit</button>
        <button class="btn btn-outline-secondary">Cancel</button>
    </div>
    <div class="row">
        <div class="col-md-4">
            <div class="card p-3 mb-3">
                <h6>User Info <span class="badge bg-
success">Active</span></h6>
                <input type="text" class="form-control mb-2"
placeholder="Name">
                <input type="email" class="form-control mb-2"
placeholder="Email">
                <button class="btn btn-sm btn-primary">Save</button>
            </div>
        </div>
        <div class="col-md-4">
            <div class="card p-3 mb-3 text-center">
                <h6>Actions</h6>
                <div class="btn-group">
                    <button class="btn btn-warning">Edit</button>
                    <button class="btn btn-danger">Delete</button>
                    <button class="btn btn-success">View</button>
                </div>
            </div>
        </div>
        <div class="col-md-4">
            <div class="card p-3 mb-3">
                <h6>Login <span class="badge bg-info">Secure</span>
            </div>
            <div class="input-group mb-2">
                <span class="input-group-text">@</span>
                <input type="text" class="form-control"
placeholder="Username">
            </div>
            <input type="password" class="form-control mb-2"
placeholder="Password">
                <button class="btn btn-dark btn-sm">Login</button>
            </div>
        </div>
    </div>
</body>
</html>
```

- Output:

The screenshot shows a web application interface. At the top, there is a header bar with a search bar containing "Type here" and a "Go" button. Below the header is a blue action bar with "Submit" and "Cancel" buttons. The main content area contains three sections: "User Info" (Active), "Actions" (Edit, Delete, View), and "Login" (Secure). The "User Info" section has fields for Name and Email, and a "Save" button. The "Actions" section has three buttons: Edit (yellow), Delete (red), and View (green). The "Login" section has fields for Username and Password, and a "Login" button.

4. Design your class timetable using bootstrap table and carousel.

- HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Timetable</title>
    <link
        href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css/bootstrap.min.css"
        rel="stylesheet"
        integrity="sha384-SRl4kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB"
        crossorigin="anonymous">
    <script defer
        src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-FKyoEForCGIyvwx9Hj09JcYn3nv7wiPVlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI"
        crossorigin="anonymous"></script>
</head>
<body>
```

```
<div class="container mt-4">
    <h3 class="text-center mb-4">Class Timetable</h3>
    <div class="carousel slide" id="ttcarousel" data-bs-ride="carousel">
        <div class="carousel-inner">
            <div class="carousel-item active">
                <h5 class="text-center">Monday</h5>
                <table class="table table-bordered table-striped text-center">
                    <tr class="table-dark">
                        <th>Time</th>
                        <th>Subject</th>
                    </tr>
                    <tr>
                        <td>9-10</td>
                        <td>BDA</td>
                    </tr>
                    <tr>
                        <td>10-11</td>
                        <td>PCAP</td>
                    </tr>
                    <tr>
                        <td>11-12</td>
                        <td>EEFM</td>
                    </tr>
                    <tr>
                        <td>1-2</td>
                        <td>WPL</td>
                    </tr>
                </table>
            </div>
            <div class="carousel-item">
                <h5 class="text-center">Tuesday</h5>
                <table class="table table-bordered table-striped text-center">
                    <tr class="table-dark">
                        <th>Time</th>
                        <th>Subject</th>
                    </tr>
                    <tr>
                        <td>9-10</td>
                        <td>BDA</td>
                    </tr>
                    <tr>
                        <td>10-11</td>
                        <td>EEFM</td>
                    </tr>
                    <tr>
                        <td>11-12</td>
                        <td>CD</td>
                    </tr>
                    <tr>
                        <td>1-2</td>
                        <td>PCAP</td>
                    </tr>
                </table>
            </div>
        </div>
    </div>
```

```
        </tr>
    </table>
</div>
<div class="carousel-item">
    <h5 class="text-center">Wednesday</h5>
    <table class="table table-bordered table-striped text-
center">
        <tr class="table-dark">
            <th>Time</th>
            <th>Subject</th>
        </tr>
        <tr>
            <td>9-10</td>
            <td>PCAP</td>
        </tr>
        <tr>
            <td>10-11</td>
            <td>PPL</td>
        </tr>
        <tr>
            <td>11-12</td>
            <td>WPL</td>
        </tr>
        <tr>
            <td>1-2</td>
            <td>CDL</td>
        </tr>
    </table>
</div>
</div>
<button class="carousel-control-prev" type="button" data-bs-
target="#ttcarousel" data-bs-slide="prev">
    <span class="carousel-control-prev-icon"></span>
</button>
<button class="carousel-control-next" type="button" data-bs-
target="#ttcarousel" data-bs-slide="next">
    <span class="carousel-control-next-icon"></span>
</button>
</div>
</div>
</body>
</html>
```

- Output:

The screenshot shows a web browser window with the URL <http://127.0.0.1:5500/Lab3/ex4.html>. The page title is "Class Timetable". Below it, the day "Tuesday" is centered. A table follows, with a dark header row containing "Time" and "Subject". The body of the table has four rows of data: "9-10" for BDA, "10-11" for EEFM, "11-12" for CD, and "1-2" for PCAP. The "EEFM" row contains a right-pointing arrow icon.

Time	Subject
9-10	BDA
10-11	EEFM
11-12	CD
1-2	PCAP