



LAB 3

WEB APP DEVELOPMENT

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Task 1

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Box Layout</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

  <link rel="stylesheet" href="styles.css"> <!-- Link to external CSS file -->

</head>

<body>

  <div class="container-fluid">

    <!-- Top Header -->

    <div class="row">

      <div class="col-12 box"></div>

    </div>

    <div class="row">

      <!-- Left Sidebar -->

      <div class="col-md-2 d-none d-md-block sidebar"></div>

      <!-- Main Content -->

      <div class="col-md-8 container-box">

        <div class="col-6 box">Box 1</div>

        <div class="col-6 box">Box 2</div>

        <div class="col-6 box">Box 3</div>

        <div class="col-6 box">Box 4</div>

        <div class="col-6 box">Box 5</div>

        <div class="col-6 box">Box 6</div>

        <div class="col-6 box">Box 7</div>

      </div>

      <!-- Right Sidebar -->

      <div class="col-md-2 d-none d-md-block sidebar"></div>

    </div>

    <!-- Footer -->

    <div class="row">

      <div class="col-12 box"></div>

    </div>

  </div>
```

```

    </div>

</body>

</html>

```

Styles.Css

```

.box {

    background-color: rgb(152, 160, 164); /* Keeping the original color */

    text-align: center;

    padding: 30px;

    font-weight: bold;

    border: 2px solid rgb(253, 247, 247); /* Proper Borders */

    margin: 10px 0; /* Spacing between boxes */

    border-radius: 5px;

    box-shadow: 2px 2px 5px rgb(253, 247, 247); /* Light Shadow */

}

.container-box {

    display: flex;

    flex-direction: column;

    align-items: center;

    justify-content: center;

    height: auto;

}

.sidebar {

    background-color: rgb(152, 160, 164);

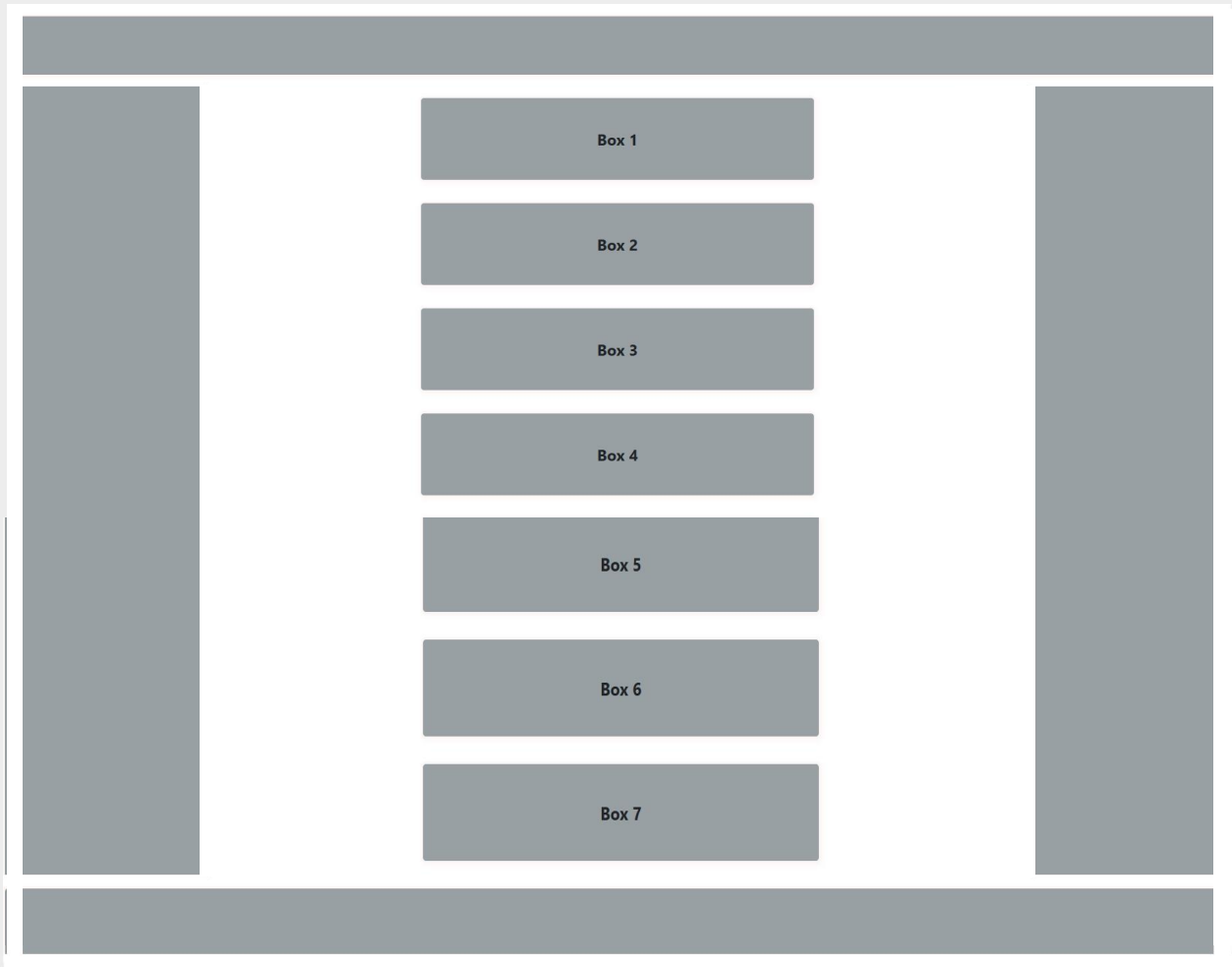
    border-left: 2px solid rgb(248, 245, 245);

    border-right: 2px solid rgb(251, 247, 247);

    min-height: 100vh;

}

```



Task 2

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Student Management</title>
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
  <link rel="stylesheet" href="stylee.css">
</head>
<body>

  <div class="container mt-5">
    <h2 class="text-center">Student Management</h2>
    <!-- Register Form -->
```

```

<div class="card p-4 mt-4">

  <h5 class="mb-3">Register Form</h5>

  <form>

    <div class="row">

      <div class="col-md-6 mb-3">

        <label class="form-label">Name</label>

        <input type="text" class="form-control" placeholder="Enter your name">

      </div>

      <div class="col-md-6 mb-3">

        <label class="form-label">Education</label>

        <input type="text" class="form-control" placeholder="Enter education">

      </div>

    </div>

    <div class="row">

      <div class="col-md-6 mb-3">

        <label class="form-label">Address</label>

        <input type="text" class="form-control" placeholder="Enter address">

      </div>

      <div class="col-md-3 mb-3">

        <label class="form-label">Gender</label>

        <select class="form-select">

          <option selected>Choose...</option>

          <option>Male</option>

          <option>Female</option>

        </select>

      </div>

      <div class="col-md-3 mb-3">

        <label class="form-label">Age</label>

        <input type="number" class="form-control" placeholder="Enter age">

      </div>

    </div>

    <div class="mb-3">

      <label class="form-label">Choose valid CNIC file</label>

      <input type="file" class="form-control">

    </div>

    <div class="mb-3">

```

```

        <label class="form-label">About Yourself</label>

        <textarea class="form-control" rows="3" placeholder="Write about yourself"></textarea>

    </div>

    <div class="mb-3 form-check">

        <input type="checkbox" class="form-check-input">

        <label class="form-check-label">Agree to terms and conditions</label>

    </div>

    <button type="submit" class="btn btn-primary w-100">Register</button>

</form>

</div>

<!-- Student Data Table -->

<h4 class="text-center mt-5">All Students Data</h4>

<table class="table table-striped mt-3">

    <thead class="table-light">

        <tr>

            <th>#</th>

            <th>Name</th>

            <th>Education</th>

            <th>City</th>

            <th>Gender</th>

            <th>Age</th>

        </tr>

    </thead>

    <tbody>

        <tr>

            <td>1</td>

            <td>Momna</td>

            <td>BSCS</td>

            <td>Islamabad</td>

            <td>Female</td>

            <td>20</td>

        </tr>

        <tr>

            <td>2</td>

            <td>Amna</td>

            <td>BCSA</td>

            <td>Islamabad</td>

```

```

        <td>Female</td>

        <td>21</td>

    </tr>

    <tr>

        <td>3</td>

        <td>Ayesha</td>

        <td>BSCS</td>

        <td>Islamabad</td>

        <td>Femle</td>

        <td>20</td>

    </tr>

    <tr>

        <td>4</td>

        <td>Salma</td>

        <td>BSCS</td>

        <td>Islamabad</td>

        <td>Female</td>

        <td>23</td>

    </tr>

</tbody>

</table>

</div>

<p class="text-center mt-5 text-primary fw-bold">Figure 153 Practice Task</p>
</body>
</html>

```

Stylee.Css

```

body {

    background-color: #f8f9fa;

}

.card {

    border-radius: 8px;

}

.table {

    border-radius: 5px;

    overflow: hidden;

}

```

}

Student Management

Register Form

Name

Education

Address

Gender

Choose... ▾

Age

Choose valid CNIC file

Choose File

No file chosen

About Yourself

☐ Agree to terms and conditions

Register

All Students Data

#	Name	Education	City	Gender	Age
1	Rubab	BSCS	Islamabad	Female	20
2	Maryam	BSCA	Islamabad	Female	21
3	Laiba	BSCS	Islamabad	Femle	21
4	Salma	BSCS	Islamabad	Female	21

TASK 3

```

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Bootstrap Notifications</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

  <link rel="stylesheet" href="style2.css">

</head>

<body>

  <div class="container mt-5">

    <h2 class="text-center">Bootstrap Notification Alerts</h2>

    <!-- Success Notification -->

    <div class="alert alert-success alert-dismissible fade show" role="alert">

      ✓ <strong>Success!</strong> Your account has been created successfully.


```



```

        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>

    <!-- Warning Notification -->

    <div class="alert alert-warning alert-dismissible fade show" role="alert">
        ⚠ <strong>Warning!</strong> Your password is too weak. Consider using a stronger password.
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>

    <!-- Error Notification -->

    <div class="alert alert-danger alert-dismissible fade show" role="alert">
        ✖ <strong>Error!</strong> Something went wrong. Please try again later.
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>

```

Style2.Css

```

body {
    background-color: #f8f9fa;
}

.container {
    max-width: 600px;
    margin: auto;
    padding: 20px;
}

```

Bootstrap Notification Alerts

✓ **Success!** Your account has been created successfully. ✕

⚠ **Warning!** Your password is too weak. Consider using a stronger password. ✕

✕ **Error!** Something went wrong. Please try again later. ✕

Task 4

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Simple Animation & Transition</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
  <link rel="stylesheet" href="style3.css"> <!-- Make sure this file exists! -->
</head>
<body>

  <div class="container text-center mt-5">
    <h2>Simple Animation & Transition</h2>

    <!-- Animated Box -->
    <div class="box mt-4"></div>
```

```

<!-- Button with Transition -->
<button class="btn btn-primary mt-4 btn-animate">Hover Me</button>
</div>

</body>
</html>

```

Style3.Css

```

body {
    background-color: #f8f9fa;
}

/* Simple Box Animation */
.box {
    width: 100px;
    height: 100px;
    background-color: skyblue;
    margin: auto;
    border-radius: 10px;
    animation: bounce 1s infinite alternate;
}

/* Keyframe Animation */
@keyframes bounce {
    from {
        transform: translateY(0);

```

```
}  
to {  
    transform: translateY(-20px);  
}  
}  
  
/* Button Hover Transition */  
.btn-animate {  
    transition: background-color 0.5s ease, transform 0.3s;  
}  
  
.btn-animate:hover {  
    background-color: navy;  
    transform: scale(1.1);  
}
```

Simple Animation & Transition



Hover Me

