



LAB 3

WEB APP DEVELOPMENT

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Task 1

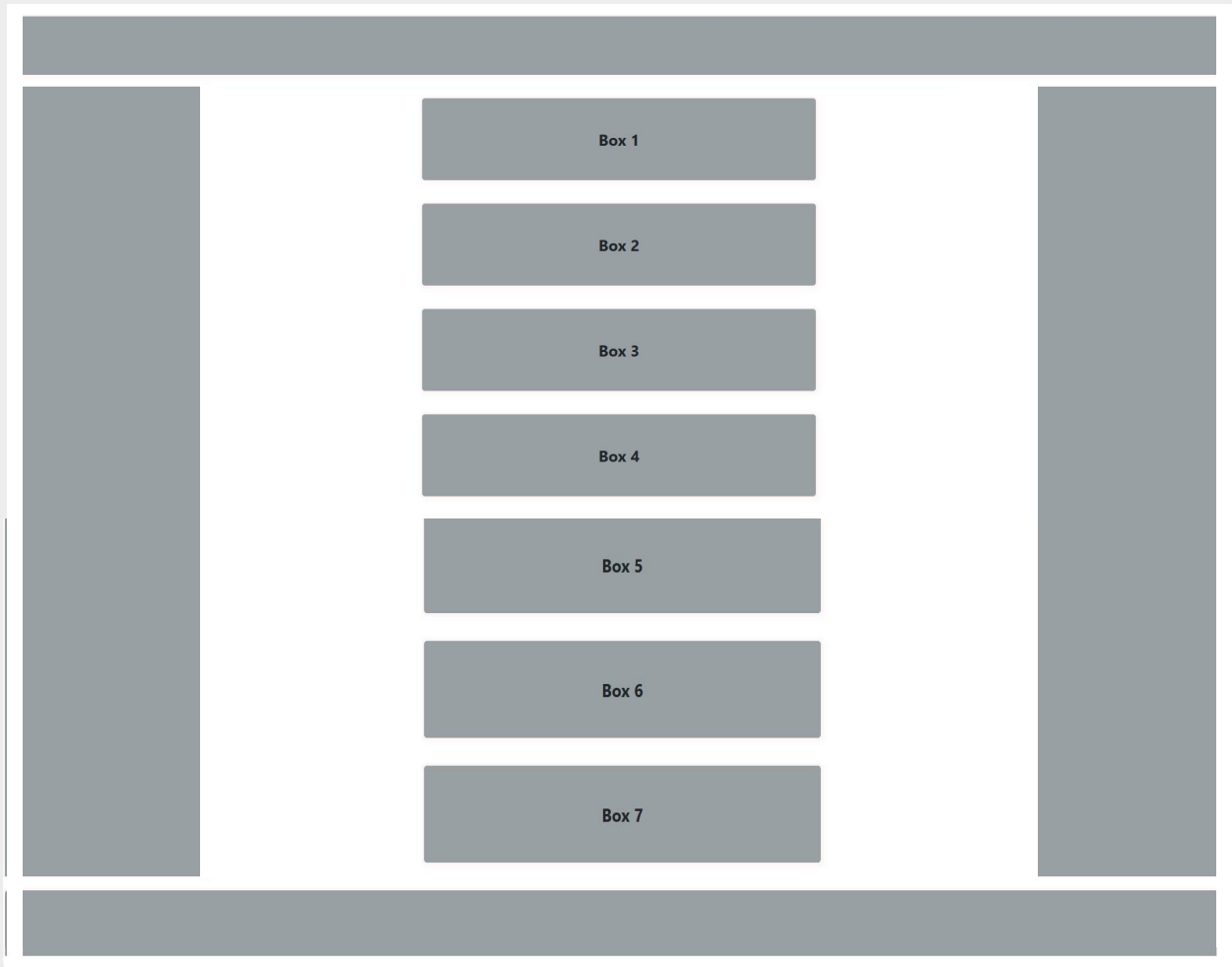
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Box Layout</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  <link rel="stylesheet" href="styles.css">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

```

        </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>Ayesha</td>
            <td>BSCS</td>
            <td>Islamabad</td>
            <td>Female</td>
            <td>20</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Amna</td>
            <td>BSCA</td>
            <td>Islamabad</td>
            <td>Female</td>
            <td>21</td>
        </tr>
        <tr>
            <td>3</td>

```

```

        <td>Momna</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	
<input type="text" value="Enter your name"/>	<input type="text" value="Enter education"/>	
Address	Gender	Age
<input type="text" value="Enter address"/>	<input type="text" value="Choose..."/>	<input type="text" value="Enter age"/>
Choose valid CNIC file		
<input type="button" value="Choose File"/> <input type="text" value="No file chosen"/>		
About Yourself		
<input type="text" value="Write about yourself"/>		
<input type="checkbox"/> Agree to terms and conditions		
<input type="button" value="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

