TOPIC: BOOTSTRAP

WEEK: 5

COURSE INSTRUCTOR: ABDULLAH MAHMOOD

BOOTSTRAP NAV-BAR

Bootstrap Navigation-Bar

Navbar: Creating Responsive Navigation

The **Bootstrap navbar** provides a responsive and customizable navigation bar. It supports toggling for mobile screens.

Basic Responsive Navbar

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bootstrap Navbar</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>

  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid">
      <a class="navbar-brand" href="#">My Website</a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
        <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav">
          <li class="nav-item"><a class="nav-link active" href="#">Home</a></li>
          <li class="nav-item"><a class="nav-link" href="#">About</a></li>
          <li class="nav-item"><a class="nav-link" href="#">Contact</a></li>
        </ul>
      </div>
    </div>
  </nav>

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

</body>
</html>
```

· **CDN (Content Delivery Network):** A system of distributed servers that deliver Bootstrap files quickly to users.

· **navbar-expand-lg:** Expands the navbar when the screen size is **large (**lg**) or bigger**.

· **navbar-dark bg-dark:** Styles the navbar with a **dark theme**.

· **container-fluid:** Makes the navbar span the **full width** of the page.

· **navbar-toggler:** A button that appears on **small screens** to open/close the navbar.

· **data-bs-toggle**="collapse"**:** A Bootstrap **attribute** that makes elements **expand or collapse** when clicked.

· **data-bs-target="#navbarNav":** Specifies **which element** will collapse (in this case, #navbarNav).

· **navbar-collapse:** A class that **hides or shows** the navbar items based on screen size.

· **navbar-nav:** A class for styling the **navigation menu items** inside the navbar.

· **nav-item and nav-link:** Used to style individual **menu items** in the navigation bar.

Button Variants

```html
<button class="btn btn-primary">Primary</button>
<button class="btn btn-secondary">Secondary</button>
<button class="btn btn-success">Success</button>
<button class="btn btn-danger">Danger</button>
<button class="btn btn-warning">Warning</button>
<button class="btn btn-info">Info</button>
<button class="btn btn-light">Light</button>
<button class="btn btn-dark">Dark</button>   <br><br>



<button class="btn btn-primary btn-lg">Large Button</button>
<button class="btn btn-primary btn-sm">Small Button</button>
```

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Button Form

```html
<form>
    <label class="form-label">Email:</label>
    <input type="email" class="form-control" placeholder="Enter email">
    <label class="form-label">Password:</label>
    <input type="password" class="form-control" placeholder="Enter password">
    <button type="submit" class="btn btn-primary mt-2">Submit</button>
</form>


<form class="needs-validation">
    <input type="text" class="form-control is-invalid" placeholder="Enter name" required>
    <div class="invalid-feedback">Please enter a valid name.</div>
</form>
```