Grid System Classes

Bootstrap grid system comprises four classes:

Phones
screens less than 576px

01 xs

02 sm

Tablets
screens equal to or greater than 576px

Desktops
screens equal to or greater than 768px wide

03 md

04 lg and xl

Large and Extra-Large Desktops
screens equal to or greater than 1200px wide

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Grid System Classes (contd.)

Code Example:- index.html

```html
<body>

    <div class="container">
        <div class="row p-5">
            <div class="col-md-6">
                <div style="background-color: #d96b6b; padding: 20px;color: white;">Column 1</div>
            </div>
            <div class="col-md-6">
                <div style="background-color: #a1a94d; padding: 20px;color: white;">Column 2</div>
            </div>
            <div class="col-md-6">
                <div style="background-color: #9f7979; padding: 20px;color: white;">Column 3</div>
            </div>
            <div class="col-md-6">
                <div style="background-color: #6977c6; padding: 20px;color: white;">Column 4</div>
            </div>
        </div>
    </div>

    <!-- Link to Bootstrap JS (for optional components like dropdowns, modals, etc.) -->
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.1/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-HwwvtgBNo3bZJJLYd8oVXjrBZt8cqVSpeBNS5n7C8IVInixGAoxmnlMuBnhbgrkm"
        crossorigin="anonymous"></script>
</body>
```
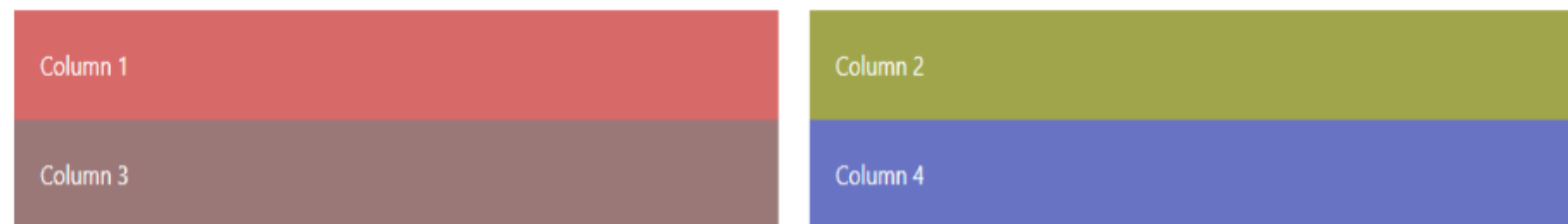
Output

Column 1	Column 2
Column 3	Column 4

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Full Stack Web Development Program

Day 14 - Adding Responsiveness with Bootstrap

Titles - I

- Bootstrap Components

- Bootstrap Buttons

- Bootstrap Navbar

- Bootstrap Collapse

- Bootstrap Card

- Bootstrap Dropdowns

- Bootstrap Modal

- Bootstrap Toast

- Bootstrap Carousel

- Bootstrap Typography

- Bootstrap Image

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Titles - II

- Bootstrap Icons

- Bootstrap Tables

- Bootstrap Layout

- Bootstrap Container

- Bootstrap Grid System

- Bootstrap Borders

- Bootstrap Colors

- Bootstrap Spacing

- Bootstrap Position

- Bootstrap Visibility, Offsets, Utilities

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Learning Objectives

By the end of this module, you will be able to:

- Describe the various Bootstrap components such as Buttons, Cards, Carousels, Dropdowns, Modals, Navbars, and Toasts.

- Learn to apply their knowledge to create responsive and visually appealing web interfaces using Bootstrap components, content, layout, and utilities.

Adding Responsiveness with Bootstrap

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Bootstrap Components

Bootstrap Components are pre-designed and customizable building blocks that help to create consistent and visually appealing user interfaces for web applications.

- The bootstrap components range from alerts, buttons, badges, and cards to various other components.

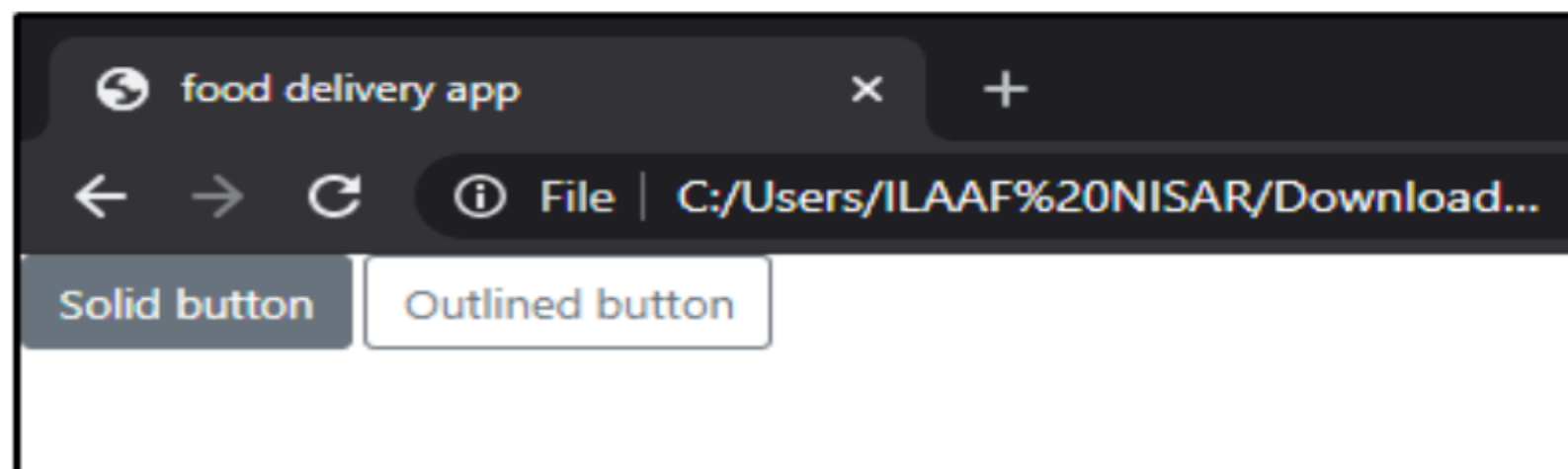- The bootstrap manages the range of various extension files.

Bootstrap Buttons

Bootstrap provides a variety of button styles that can be easily integrated into the applications. These buttons come in different sizes, colors, and shapes, making it simple to create interactive elements for users to click.
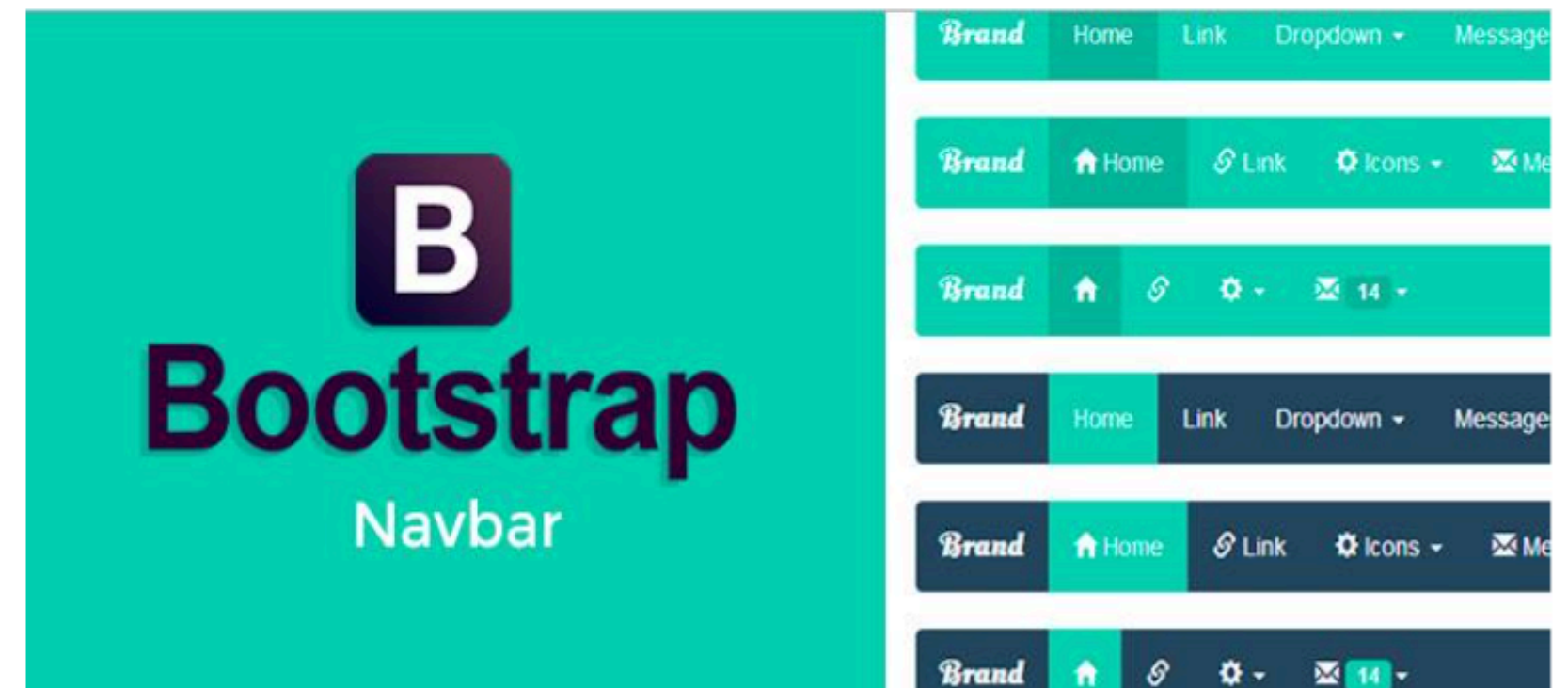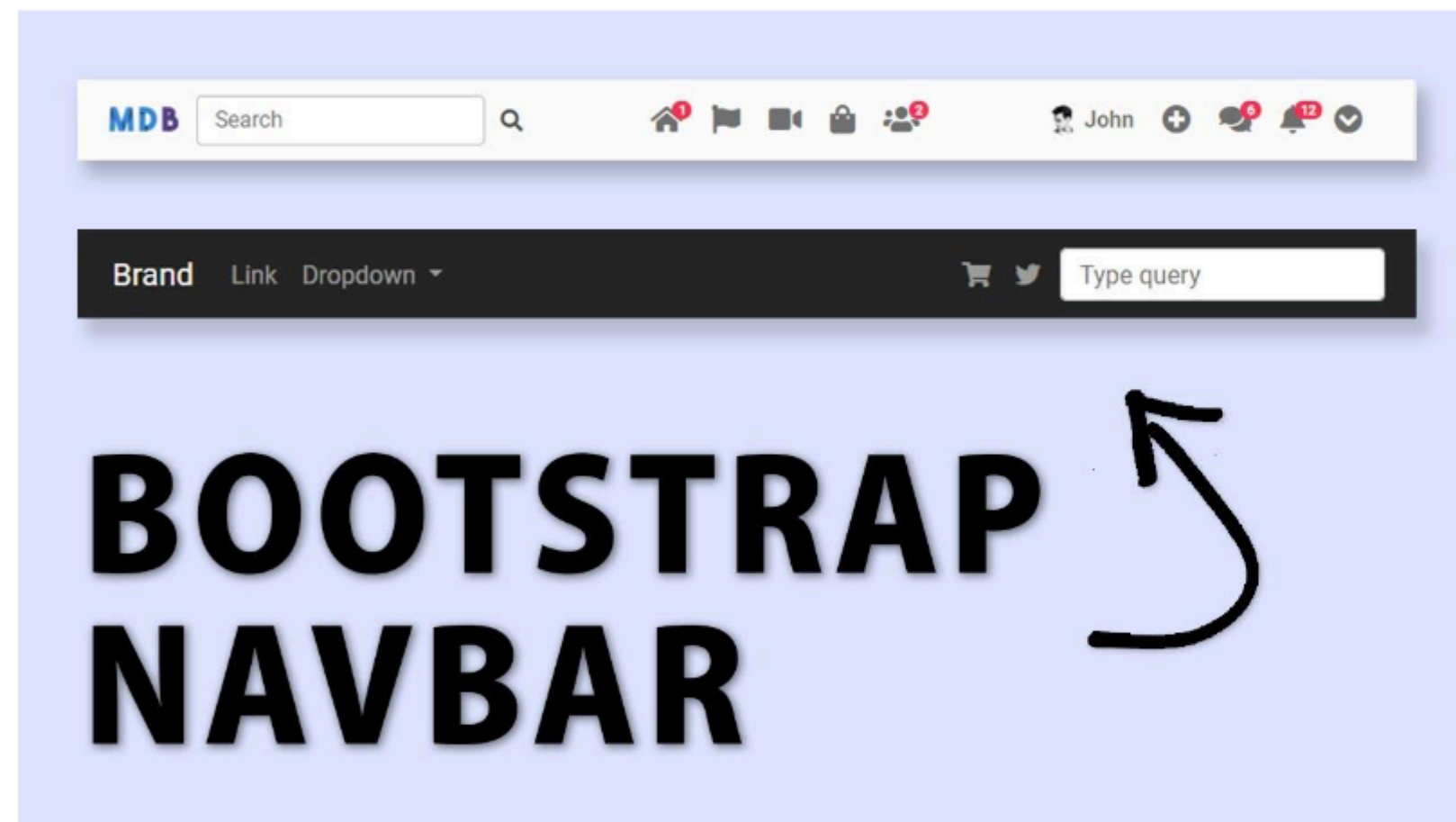
```
<body>
    <button type="button" class="btn btn-secondary">
        Solid button
    </button>

    <button type="button" class="btn btn-outline-secondary">
        Outlined button
    </button>
</body>
```

Bootstrap Navbar

The navigation bar is a horizontal menu that provides links to different sections of the website. It's a crucial component for easy navigation and can be customized to include logos, buttons, and dropdown menus.

Bootstrap Navbar – Example

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Case</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css

</head>
<body>

<nav class="navbar navbar-default">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">edureka(website name)</a>
    </div>
    <ul class="nav navbar-nav">
      <li class="active"><a href="#">edureka Home page</a></li>
      <li><a href="#">Page 1 edureka</a></li>
      <li><a href="#">Page 2 edureka</a></li>
      <li><a href="#">Page 3 edureka</a></li>
    </ul>
  </div>
</nav>

<div class="container">
  <h3>edureka Navbar Example</h3>
  <p>A edureka navigation bar is a navigation header that is placed at the top of the page.</p>
</div>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"></script>
</body>
</html>
```
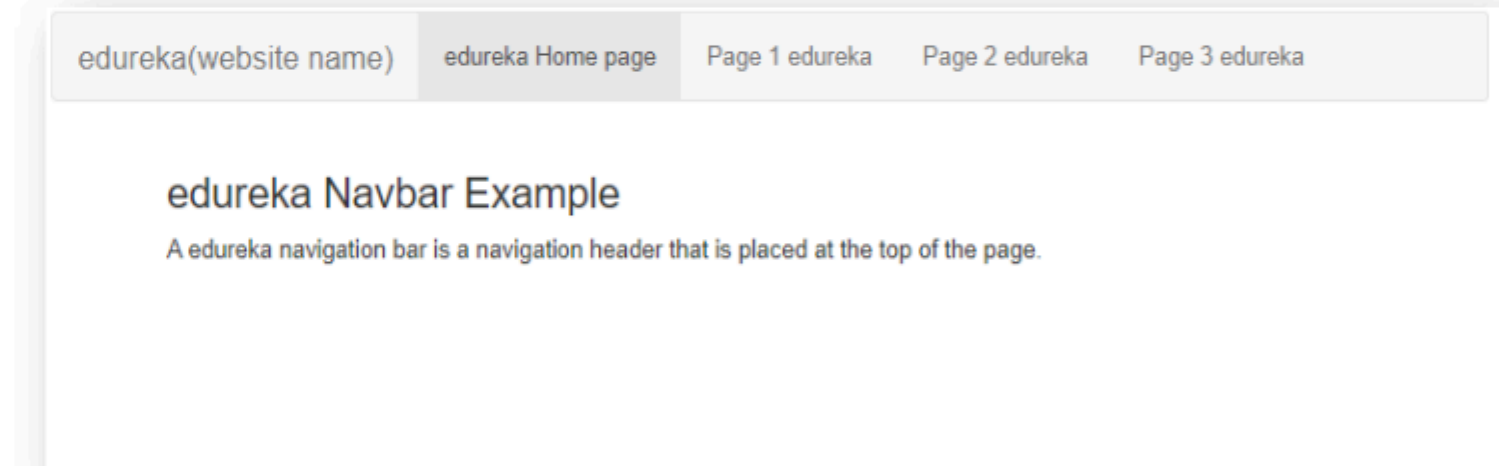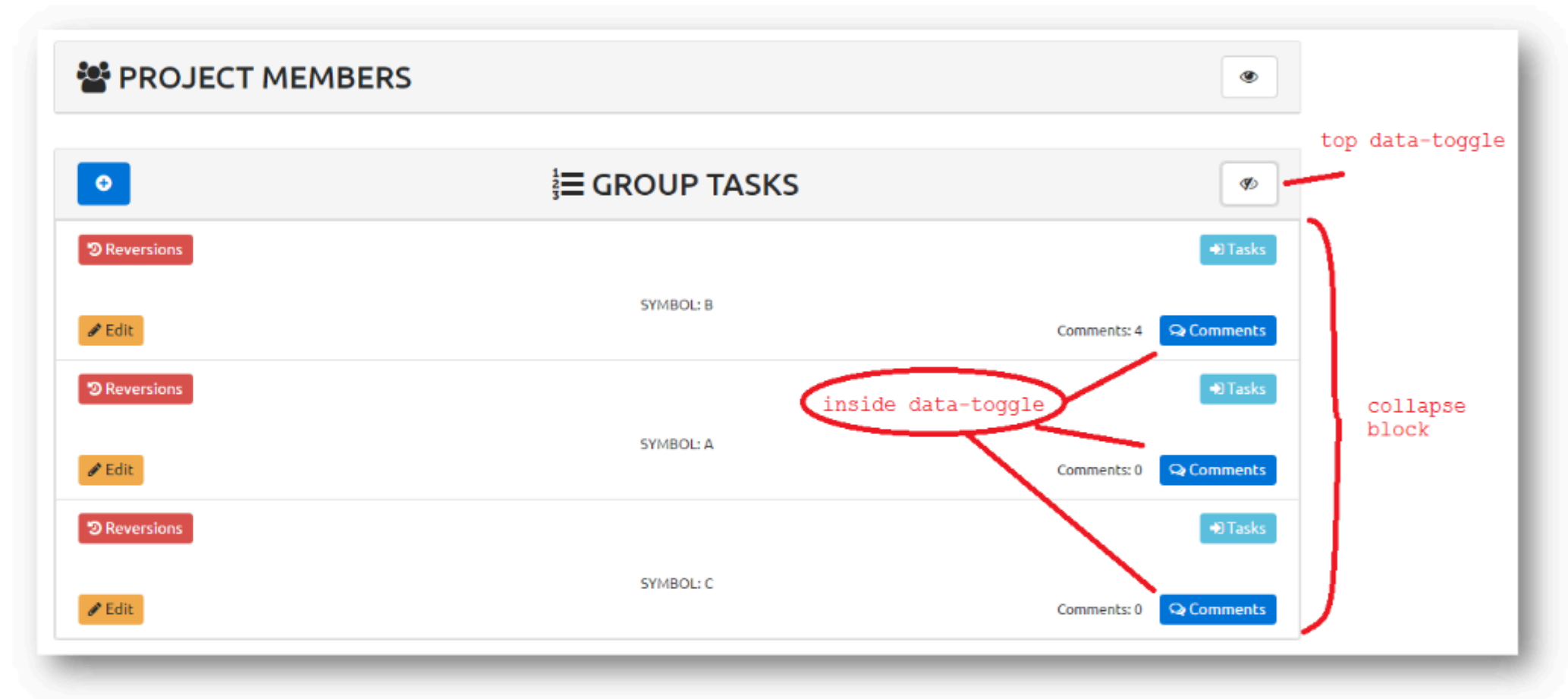
edureka(website name)	edureka Home page	Page 1 edureka	Page 2 edureka	Page 3 edureka

edureka Navbar Example

A edureka navigation bar is a navigation header that is placed at the top of the page.

Bootstrap Collapse

- Bootstrap collapse is a class that provides features to hide any content from the page.

- Buttons are used to trigger the request and they are mapped to the specific element that needs to be collapsed.

Collapse classes
collapse
collapsing
collapse-show

Bootstrap Collapse – Example

Example

```html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
</head>
<body>

<div class="container">
  <h2>edureka Collapsible</h2>
  <p>Click on the button to toggle between showing and hiding content.</p>
  <button type="button" class="btn btn-info" data-toggle="collapse" data-target="#demo">edureka collapsible</button>
  <div id="demo" class="collapse">
    WELCOME TO EDUREKA
    To become the largest online learning ecosystem for continuing education, in partnership with corporates and academia.
  </div>
</div>

</body>
</html>
```

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Bootstrap Collapse – Example (contd.)

Output

edureka Collapsible

Click on the button to toggle between showing and hiding content.

edureka collapsible

edureka Collapsible

Click on the button to toggle between showing and hiding content.

edureka collapsible

WELCOME TO EDUREKA To become the largest online learning ecosystem for continuing education, in partnership with corporates and academia.

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