

Bootstrap Syntax Overview

Bootstrap's syntax primarily involves using predefined **HTML classes**, **CSS**, and **JavaScript** components. The most common elements you'll work with include:

1. **Grid System:** The grid system helps create flexible and responsive layouts.
2. **CSS Classes:** Used for styling components like buttons, text, and containers

1. Grid System Syntax

Bootstrap uses a **12-column grid system**. You divide the screen into 12 columns and then define how many columns an element should occupy.

Example: Basic Grid Layout

html

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```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width,
initial-scale=1.0">

  <title>Bootstrap Grid Example</title>
```

```
<link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.
2/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <div class="container">
    <div class="row">
      <div class="col-md-4">Column 1</div>
      <div class="col-md-4">Column 2</div>
      <div class="col-md-4">Column 3</div>
    </div>
  </div>

  <script      src="https://code.jquery.com/jquery-
3.5.1.slim.min.js"></script>

  <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/
dist/umd/popper.min.js"></script>
```

```
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2
/js/bootstrap.min.js"></script>
</body>
</html>
```

- **.container**: Centers the content with some padding.
 - **.row**: A flex container that holds the columns.
 - **.col-md-4**: Each column takes up 4 of the 12 columns on medium screens (or larger).
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2. CSS Classes for Styling

Bootstrap includes predefined classes for styling common elements like buttons, text, and containers.

Example: Buttons

html

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```
<button class="btn btn-primary">Primary Button</button>
```

```
<button      class="btn      btn-secondary">Secondary  
Button</button>
```

```
<button class="btn btn-danger">Danger Button</button>
```

- **.btn**: The base class for buttons.
- **.btn-primary**, **.btn-secondary**,
- **.btn-danger**: Predefined button color styles.