🎯 Bootstrap Notes (v5)

🔹 1. What is Bootstrap?

- **Bootstrap** is a **CSS framework** for building **responsive** and **mobile-first** websites.

- Developed by **Twitter**, it includes **HTML**, **CSS**, and **JavaScript** components.

🔹 2. How to Add Bootstrap

✅ **CDN Method (Recommended):**

html

CopyEdit

- ```
  <link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  ```
- ```
  <script
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
  ```

🔹 3. Bootstrap Grid System

- Based on **12 columns**

- Uses containers, rows, and columns.

html

CopyEdit

- `<div class="container">`
- `  <div class="row">`
- `    <div class="col-6">50%</div>`
- `    <div class="col-6">50%</div>`
- `  </div>`
- `</div>`

◆ 4. Bootstrap Containers

html

CopyEdit

- `<div class="container">Fixed width</div>`
- `<div class="container-fluid">Full width</div>`

◆ 5. Typography Classes

html

CopyEdit

- `<h1 class="display-1">Heading</h1>`
- `<p class="lead">This is lead text</p>`
- `<small>Small text</small>`

◆ 6. Buttons

html

CopyEdit

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

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

Types:

- `btn-primary`, `btn-secondary`, `btn-success`, `btn-warning`, `btn-danger`, `btn-info`, `btn-dark`, `btn-light`

◆ 7. Forms

html

CopyEdit

- ```html
  <form>
  ```
- ```html
    <input type="text" class="form-control" placeholder="Enter name">
  ```
- ```html
    <button class="btn btn-success">Submit</button>
  ```
- ```html
  </form>
  ```

◆ 8. Alerts

html

CopyEdit

- ```html
  <div class="alert alert-warning">This is a warning!</div>
  ```

◆ 9. Cards (for content display)

html

CopyEdit

- ```html
  <div class="card">
  ```
- ```html
    <div class="card-body">
  ```
- ```html
      <h5 class="card-title">Title</h5>
  ```
- ```html
      <p class="card-text">Content here</p>
  ```
- ```html
    </div>
  ```
- ```html
  </div>
  ```

◆ 10. Navbar (Navigation Bar)

html

CopyEdit

- ```html
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
  ```
- ```html
    <a class="navbar-brand" href="#">MySite</a>
  ```
- ```html
  </nav>
  ```

◆ 11. Modals (Popup)

html

CopyEdit

- ```html
  <button class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#myModal">Open</button>
  ```
-
- ```html
  <div class="modal fade" id="myModal">
  ```
- ```html
    <div class="modal-dialog">
  ```
- ```html
      <div class="modal-content">
  ```
- ```html
        <div class="modal-header">Modal Title</div>
  ```
- ```html
        <div class="modal-body">Content</div>
  ```
- ```html
      </div>
  ```
- ```html
    </div>
  ```
- ```html
  </div>
  ```

◆ 12. Carousel (Image Slider)

html

CopyEdit

```
<div id="carouselExample" class="carousel slide"
data-bs-ride="carousel">
  <div class="carousel-inner">
    <div class="carousel-item active"><img src="img1.jpg"
class="d-block w-100"></div>
    <div class="carousel-item"><img src="img2.jpg" class="d-block
w-100"></div>
  </div>
</div>
```

◆ 13. Utility Classes

- **Margins**: `m-3`, `mt-2`, `mb-4`

- **Padding**: `p-2`, `px-3`, `py-1`

- **Text Alignment**: `text-center`, `text-end`

- **Colors**: `text-primary`, `bg-warning`

◆ 14. Responsive Classes

- `d-none d-sm-block` – Hide on extra small, show on small+

- `col-md-6` – Half-width on medium screens and up

◆ 15. Icons (Using Bootstrap Icons)

html

CopyEdit

- ```html
<link
 href="https://cdn.jsdelivr.net/npm/bootstrap-icons/font/bootstrap
 -icons.css" rel="stylesheet">
```

```html
<i class="bi bi-alarm"></i>
```

-