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Agenda

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 - How to Import Bootstrap (CDN vs Minified File)
 - Bootstrap Classes
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 - Responsive Design
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 - Navbars
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- 



Definition of Bootstrap

Bootstrap is a powerful, open-source CSS framework that helps developers build responsive and mobile-first web pages quickly.
It includes pre-designed classes and components.



How to Import Bootstrap

Bootstrap can be imported in two ways:

➤ Using CDN:

Quick and easy, no files to download.

➤ Using Minified File:

Download the Bootstrap CSS and JS files and link them locally.

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

```
<link rel="stylesheet" href="bootstrap.min.css">  
<script src="bootstrap.bundle.min.js"></script>
```

Bootstrap Classes

Bootstrap provides pre-defined classes to style HTML elements without writing custom CSS. Common examples include:

- container: Wraps content with padding and a centered layout.
- row and col: Used for grid layout.
- text-center: Centers text horizontally.

```
<div class="container text-center">  
  <h1 class="text-primary">Welcome to Bootstrap</h1>  
</div>
```

Grid System of Bootstrap

The grid system divides the page into 12 columns for responsive layouts. Rows and columns are used to create structured content.

```
<div class="container">
  <div class="row">
    <div class="col-6">Column 1</div>
    <div class="col-6">Column 2</div>
  </div>
</div>
```

Responsive Design

Bootstrap's responsive design adjusts content based on screen sizes using breakpoints (e.g., col-sm, col-md, col-lg).

```
<div class="container">
  <div class="row">
    <div class="col-sm-4">Small Screen</div>
    <div class="col-md-4">Medium Screen</div>
    <div class="col-lg-4">Large Screen</div>
  </div>
</div>
```




Definition of Components

Components are reusable UI elements like buttons, navbars, modals, and cards. They make web development faster and easier.






Colors

Bootstrap provides utility classes for coloring text and backgrounds. Examples include text-primary, bg-danger, bg-success, etc.

```
<div class="text-primary">Primary Text</div>  
<div class="bg-success text-white">Success Background</div>
```



Buttons

Bootstrap buttons (<button> or <a>) come with pre-defined styles like btn-primary, btn-secondary, and more.

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

Navbars

Navbars are pre-designed responsive navigation bars.

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="#">Navbar</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" href="#">Home</a></li>
      <li class="nav-item"><a class="nav-link" href="#">About</a></li>
    </ul>
  </div>
</nav>
```

Images

Bootstrap provides classes to make images responsive or styled. Common classes include `img-fluid` (makes images responsive) and `rounded` (adds rounded corners).

```

```


THANK YOU

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