

BOOTSTRAP SYLLABUS

MODULE 1: Introduction to Bootstrap

1.1 What is Bootstrap

- Introduction to CSS frameworks
- History of Bootstrap
- Advantages of Bootstrap
- Bootstrap vs Traditional CSS
- Bootstrap vs Tailwind CSS

1.2 Features of Bootstrap

- Mobile-first design
- Responsive grid system
- Prebuilt components
- Utility classes
- Cross-browser compatibility

1.3 Bootstrap Versions

- Bootstrap 3 vs Bootstrap 4 vs Bootstrap 5
- Key improvements in Bootstrap 5
- Removal of jQuery in Bootstrap 5

1.4 Installing Bootstrap

- Using Bootstrap CDN
- Downloading Bootstrap files
- Installing with NPM
- Using Bootstrap with frameworks

MODULE 2: Bootstrap Setup & Structure

2.1 Bootstrap File Structure

- CSS files
- JavaScript files
- Bundle file

2.2 Bootstrap Containers

- .container
- .container-fluid
- .container-sm
- .container-md
- .container-lg
- .container-xl
- .container-xxl

MODULE 3: Bootstrap Grid System

3.1 Grid System Introduction

- 12 Column Layout
- Responsive layout concept

3.2 Grid Classes

- .row
- .col
- .col-*

3.3 Responsive Grid Breakpoints

Breakpoint	Class
Extra Small	col
Small	col-sm
Medium	col-md
Large	col-lg
Extra Large	col-xl
XXL	col-xxl

3.4 Column Layouts

- Equal columns
- Unequal columns
- Nested grids
- Auto layout columns

MODULE 4: Typography

4.1 Headings

- h1 to h6 classes
- display headings

4.2 Text Utilities

- text alignment
- text transformation
- font size
- font weight

4.3 Text Colors

- .text-primary
- .text-success
- .text-danger

4.4 Lists

- Ordered list
- Unordered list
- Inline list

MODULE 5: Bootstrap Colors & Backgrounds

5.1 Color Classes

- primary
- secondary
- success
- danger
- warning

- info
- dark
- light

5.2 Background Classes

- .bg-primary
- .bg-success
- .bg-dark

MODULE 6: Bootstrap Spacing

6.1 Margin

- m-0 to m-5
- mt, mb, ms, me

6.2 Padding

- p-0 to p-5

MODULE 7: Bootstrap Images

7.1 Image Classes

- .img-fluid
- .img-thumbnail
- .rounded
- .rounded-circle

MODULE 8: Bootstrap Tables

8.1 Basic Tables

8.2 Striped Tables

8.3 Hover Tables

8.4 Bordered Tables

8.5 Responsive Tables

MODULE 9: Bootstrap Forms

9.1 Form Basics

9.2 Input Types

9.3 Form Control

9.4 Input Groups

9.5 Form Validation

9.6 Floating Labels

MODULE 10: Bootstrap Buttons

10.1 Button Classes

- .btn
- .btn-primary
- .btn-outline-primary

10.2 Button Sizes

- .btn-sm
- .btn-lg

MODULE 11: Bootstrap Cards

11.1 Basic Card

11.2 Card Image

11.3 Card Header & Footer

11.4 Card Groups

MODULE 12: Bootstrap Navigation

12.1 Navbar

12.2 Navbar Brand

12.3 Navbar Collapse

12.4 Navbar Responsive Menu

MODULE 13: Bootstrap Alerts

13.1 Alert Types

13.2 Dismissible Alerts

MODULE 14: Bootstrap Progress Bars

14.1 Basic Progress Bar

14.2 Animated Progress Bar

14.3 Multiple Progress Bars

MODULE 15: Bootstrap Badges

MODULE 16: Bootstrap List Groups

16.1 Basic List Group

16.2 Active Items

16.3 List with Badges

MODULE 17: Bootstrap Modals

17.1 Modal Basics

17.2 Modal Header, Body, Footer

17.3 Modal Events

MODULE 18: Bootstrap Carousel

18.1 Image Slider

18.2 Controls

18.3 Indicators

MODULE 19: Bootstrap Dropdown

19.1 Basic Dropdown

19.2 Dropdown Menu

19.3 Dropdown Alignment

MODULE 20: Bootstrap Collapse & Accordion

20.1 Collapse

20.2 Accordion

MODULE 21: Bootstrap Utilities

21.1 Display Utilities

21.2 Flex Utilities

21.3 Position Utilities

21.4 Shadow Utilities

21.5 Visibility Utilities

MODULE 22: Bootstrap Flexbox

22.1 Flex Container

22.2 Alignment

22.3 Justify Content

22.4 Order Classes

MODULE 23: Bootstrap Icons

23.1 Installing Bootstrap Icons

23.2 Using Icons

MODULE 24: Bootstrap Tooltips & Popovers

MODULE 25: Bootstrap Projects