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Course Overview

Course Details

Course Name: Bootstrap 5: Build Responsive Websites Rapidly

Instructor: David Chen

Created On: 16 June, 2025

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Price: 3000 INR

Duration: 2 Weeks

Modules: 10

Language: English, Hindi

Level: Beginner, Expert

Certifications: Yes

Course Description

Accelerate your web development workflow and build professional, responsive websites with ease using Bootstrap 5. This course is a complete guide to mastering the Bootstrap framework, from its powerful grid system to its extensive library of pre-built components.

We start by showing you how to quickly add Bootstrap to any project. You will then master the responsive grid system, the cornerstone of Bootstrap, allowing you to create complex layouts that adapt perfectly to any screen size. We'll explore the vast array of components Bootstrap offers, including navigation bars, buttons, forms, cards, and modals, learning how to use and customize them effectively.

This course also dives into Bootstrap's utility classes, a powerful way to style elements without writing a single line of custom CSS. You'll learn how to work with typography, colors, spacing, and more. Finally, we'll cover how to customize Bootstrap using Sass to create your own unique designs.

What You'll Learn:

- The Bootstrap responsive grid system.
- Using dozens of pre-built components like navbars, modals, and carousels.
- Rapid styling with utility classes for spacing, colors, and flexbox.
- Creating professional and accessible forms.
- Working with Bootstrap's JavaScript components.
- Customizing Bootstrap with Sass variables.
- Building a complete, multi-page website from scratch.

Who Is This Course For?

This course is for developers who want to build websites faster. It's ideal for front-end and full-stack developers who understand HTML and CSS and want to leverage a powerful framework to streamline their work. Designers who want to quickly prototype responsive layouts will also find it invaluable.

Prerequisites:

- **HTML Fundamental Knowledge:** A solid understanding of HTML document structure, elements, and attributes is essential.
- **CSS Fundamental Knowledge:** Familiarity with CSS selectors, properties, and basic styling concepts is required.
- **Basic JavaScript Knowledge (Recommended but not strictly required):** While not strictly mandatory for all aspects, a basic understanding of JavaScript will help you fully grasp Bootstrap's interactive components.
- **A Computer/Laptop:** You'll need a working computer (Windows, macOS, or Linux) with an internet connection.
- **Willingness to Learn:** An eagerness to build fast and responsive web interfaces.

Includes a final project, numerous practical examples, and a certificate of completion. Available in English and Hindi.

Course Curriculum Details

Module 1: Module 1: Getting Started with Bootstrap 5
5 Lessons

1. 1. What is Bootstrap 5 and Why Use It?   **15min**

2. 2. Setting up Bootstrap in Your Project (CDN vs. Local Download)   **20min**

3. 3. Understanding Bootstrap's Reboot & Normalize.css   **15min**

4. 4. Containers: Fixed, Fluid, and Responsive Breakpoints   **20min**

5. 5. Recap & Practical Task: Setup a Basic Bootstrap Page with Containers   **25min**

Module 2: Module 2: The Powerful Bootstrap Grid System
8 Lessons

1. 6. Introduction to the Bootstrap Grid (Rows and Columns)   **25min**

2. 7. Understanding Responsive Breakpoints (sm, md, lg, xl, xxl)   **20min**

3. 8. Column Sizing: Auto-layout, Explicit Widths, and Stacking   **25min**

4. 9. Customizing Gutters and Gutter Classes   **20min**

5. 10. Alignment Utilities: Vertical and Horizontal Alignment   **25min**

6. 11. Column Ordering and Offsetting   **20min**

7. 12. Nesting Grids for Complex Layouts   **25min**

8. 13. Recap & Practical Task: Build a Responsive Portfolio Grid   **40min**

Module 3: Module 3: Bootstrap Content Styling

5 Lessons

1. 14. Typography: Headings, Display Classes, Lead Paragraphs   **20min**

2. 15. Text Utilities: Alignment, Transformation, Weight, Color   **25min**

3. 16. Responsive Images and Figures (`.img-fluid`, `.figure`)   **20min**

4. 17. Tables: Basic, Striped, Bordered, Hoverable, Responsive Tables   **30min**

5. 18. Recap & Practical Task: Style a Blog Post with Images and Tables   **35min**

Module 4: Module 4: Bootstrap Form Components

10 Lessons

1. 19. Forms Overview and Basic Structure   **15min**

2. 20. Form Controls: Text Inputs, Textareas, File Inputs   **25min**

3. 21. Select Menus and Multiple Selects   **20min**

4. 22. Checks and Radios (Custom Styles and Layouts)   **25min**

5. 23. Range Inputs and Switches   **20min**

6. 24. Input Groups (Prepending/Appending Content)   **25min**

7. 25. Floating Labels for Clean Forms   **20min**

8. 26. Form Layouts and Horizontal Forms   **20min**

9. 27. Form Validation (Client-Side Feedback and Styling)   **30min**

10. 28. Recap & Practical Task: Build a User Login/Registration Form with Validation **45min**

Module 5: Module 5: Essential Bootstrap Components (Part 1)
9 Lessons

1. 29. Buttons and Button Groups (Sizes, Colors, Outline, Toggle States) **25min**

2. 30. Navigation Bars (Navbars): Basic Setup, Branding, Toggler **30min**

3. 31. Navbars: Responsive Behavior, Dropdowns, Forms within Navbar **35min**

4. 32. Cards: Flexible Content Containers (Header, Body, Footer, Image Overlays) **30min**

5. 33. Accordion (Collapsible Content Sections) **25min**

6. 34. Alerts and Badges (Contextual Feedback and Counters) **20min**

7. 35. Breadcrumb Navigation **15min**

8. 36. Close Button and Spinner Loaders **15min**

9. 37. Recap & Practical Task: Build a Services Section with Cards and Accordions **50min**

Module 6: Module 6: Essential Bootstrap Components (Part 2)
13 Lessons

1. 38. Carousel (Image Sliders): Basic Setup, Controls, Indicators **30min**

2. 39. Carousel: Captions, Fade Effect, and Responsive Adjustments **25min**

3. 40. Collapse: Toggling Visibility of Content **20min**

Module 7: Module 7: Bootstrap Utility Classes In-Depth

14 Lessons

7. 57. Link Utilities **10min**

8. 58. Object Fit Utilities for Image Control **15min**

9. 59. Opacity Utilities **10min**

10. 60. Overflow Utilities **10min**

11. 61. Position Utilities (Relative, Absolute, Fixed, Sticky, `z-index`) **25min**

12. 62. Shadows and Sizing Utilities (Width, Height) **20min**

13. 63. Vertical Align and Visibility Utilities **15min**

14. 64. Recap & Practical Task: Rebuild a Component Using Only Utility Classes **45min**

Module 8: Module 8: Working with Bootstrap's JavaScript
6 Lessons

1. 65. How Bootstrap's JavaScript Plugins Work (Data Attributes vs. JS API) **20min**

2. 66. Initializing Components with JavaScript **25min**

3. 67. Interacting with Components Programmatically (Methods and Options) **30min**

4. 68. Listening for Bootstrap Events **25min**

5. 69. Customizing JavaScript Behavior (Options and Overrides) **20min**

6. 70. Recap & Practical Task: Create a Dynamic Form with JS Controlled Modals **40min**

Module 9: Module 9: Advanced Customization with Sass
6 Lessons

1. 71. Setting up Sass for Bootstrap Customization   **30min**

2. 72. Overriding Bootstrap's Sass Variables for Theming   **40min**

3. 73. Customizing Components and Colors via Sass   **35min**

4. 74. Extending Bootstrap with Custom Sass   **30min**

5. 75. Creating Custom Utility APIs with Sass   **25min**

6. 76. Recap & Practical Task: Create a Custom Branded Theme for a Project   **50min**

Module 10: Module 10: Real-World Bootstrap Project: Multi-Page Business Website
9 Lessons

1. 77. Project Planning: Wireframing and Bootstrap Component Mapping   **45min**

2. 78. Building the Responsive Navbar and Hero Section   **1hr**

3. 79. Designing Service/Feature Sections with Grid and Cards   **1hr 30min**

4. 80. Implementing a Portfolio/Gallery Section with Modals and Carousels   **1hr**

5. 81. Creating a Dynamic Contact Form with Validation   **1hr**

6. 82. Building a Responsive Footer and Other Global Elements   **45min**

7. 83. Ensuring Full Responsiveness Across Devices using Breakpoints   **45min**

8. 84. Final Review, Debugging, and Best Practices   **45min**

9. 85. Recap & Final Project Submission   **1hr**

This curriculum is subject to minor adjustments to ensure the most up-to-date and effective learning experience.