


Web Development For Beginners (16 SESSIONS)

Week 1 — HTML Fundamentals

 **Wed, July 16**

Topic: Intro to Web Development + HTML Basics

Lessons:

- What is web development (frontend vs backend)
- Introduction to HTML
- Basic structure of an HTML document
- Headings (`<h1>`–`<h6>`), paragraphs (`<p>`), line breaks
- Links (`<a>`), images (``)
- Attributes (href, src, alt)

 **Thu, July 17**

Topic: HTML Lists + Forms + Semantic Tags

Lessons:

- Ordered and unordered lists (``, ``, ``)
- HTML tables
- HTML forms: input types, labels, buttons
- Radio buttons, checkboxes, select/dropdowns
- Semantic HTML (`<section>`, `<article>`, `<header>`, `<footer>`)

Week 2 — CSS Basics

Wed, July 23

Topic: Intro to CSS + Box Model

Lessons:

- What is CSS and how it works (inline, internal, external)
- Selectors: tag, class, ID
- The Box Model (margin, border, padding, content)
- Colors, backgrounds, borders

Thu, July 24

Topic: Typography + Positioning

Lessons:

- Fonts, text size, weight, alignment
- Units: px, %, em, rem, vh, vw
- Display: block, inline, inline-block
- Positioning: relative, absolute, fixed, sticky
- CSS `z-index` and layering


Week 3 — Layouts + Bootstrap

 **Wed, July 30**

Topic: Flexbox CSS

Lessons:

- Intro to Flexbox
- display: flex, justify-content, align-items, flex-direction
- Building basic responsive layouts with Flexbox
- Flexbox examples: navbars, card layouts

 **Thu, July 31**

Topic: Bootstrap Fundamentals

Lessons:

- What is Bootstrap + Setup via CDN
- The grid system: containers, rows, and columns
- Utility classes: spacing, typography, colors
- Buttons, alerts, cards, and navbars

Week 4 — JavaScript Essentials

17 ???

Topic: JS Basics: Variables & Data Types

Lessons:

- `let`, `const`, and `var`
- Strings, numbers, booleans
- Arrays and objects (basics)
- Operators (+, -, *, /, %, ===, !==)

17 ???

Topic: Conditions, Loops & Functions

Lessons:

- `if`, `else`, `else if`
- Logical operators (`&&`, `||`)
- `for`, `while`, `do...while`
- Functions: declaration, parameters, return
- Arrow functions (`=>`)

Week 5 — JavaScript DOM + Events

17 ???

Topic: DOM Manipulation

Lessons:

- What is the DOM?
- `document.getElementById`, `querySelector`
- Changing text, HTML, classes
- Creating/removing elements

17 ???

Topic: JS Events + Form Validation

Lessons:

- `onclick`, `oninput`, `onsubmit`
- `addEventListener` method
- Basic form validation with JS
- Mini project: Interactive Form or Calculator

Week 6 — jQuery + PHP Basics

17 ???

Topic: jQuery Fundamentals

Lessons:

- What is jQuery + Setup via CDN
- jQuery selectors vs JS selectors
- Click and input events
- jQuery effects: hide, show, fade, slide
- jQuery DOM manipulation

17 ???

Topic: PHP Basics

Lessons:

- What is PHP + Setup with XAMPP or local server
- Syntax, variables, strings, numbers
- `echo`, comments
- Conditionals and loops in PHP
- Basic PHP functions

Week 7 — PHP Forms + MySQL

 17 ???

Topic: Handling Forms with PHP

Lessons:

- `$_GET` vs `$_POST`
- Validating user input
- `isset()`, `empty()`
- Handling form submissions
- Displaying form results

 17 ???

Topic: PHP + MySQL Basics

Lessons:

- Intro to MySQL & phpMyAdmin
- Creating a database + table
- Connecting PHP to MySQL (mysqli)
- Inserting and selecting data with SQL
- Displaying DB data on a page

Week 8 — Final Project + Review

 17 ???

Topic: Fullstack Mini Project (e.g., Contact Form App)

Lessons:

- Planning: structure HTML, CSS, JS, PHP, DB
- Build: Contact form → PHP → MySQL → success message
- Style with Bootstrap

 17 ???

Topic: Review + Demo Day + Next Steps

Lessons:

- Quick recap of everything
- Q&A and common troubleshooting
- Tips: Where to go next (Git, hosting, portfolios)