

Web Development Syllabus

HTML

8 Hours - 18 Topics

- **Introduction (Day 1)**
- **Structure of a website (Day 1)**
- **Your first website (Day 1)**
- **Headings (Day 1)**
- **Paragraphs (Day 1)**
- **Links (Day 1)**
- **Images (Day 1)**
- **Inline vs Block Elements (Day 2)**
- **Iframes - Activity: Embed a nice relaxing YouTube video to your website (Day 2)**
- **Unordered Lists (Day 2)**
- **Ordered Lists (Day 2)**
- **Description Lists (Day 2)**
- **Tables (Day 2)**
- **Entities (Day 2)**
- **Forms (1) - Activity: Create a simple Login Form (Day 3)**
- **Text Decoration (Day 3)**
- **Comments (Day 3)**
- **Forms (2) - Activity: Create a Marketplace Checkout Form (Day 4)**

CSS

18 Hours - 28 Topics

- **Introduction (Day 5)**
- **Inline CSS (Day 5)**
- **Internal CSS (Day 5)**
- **External CSS (Day 5)**
- **Classes and IDs (Day 5)**
- **Div and Span (Day 5)**
- **Box Model (Day 6)**
- **Box Model : Padding (Day 6)**
- **Box Model : Border (Day 6)**
- **Box Model : Outline (Day 6)**
- **Box Model : Margin (Day 6)**
- **Background (Day 6)**
- **Floating (Day 7)**
- **Positioning (Day 7)**
- **Display (Day 7)**
- **Text Decoration (Day 8)**
- **Text Align (Day 8)**
- **Text Fonts (Day 8)**
- **Text effects (Day 8)**

- **Image sprites (Day 8)**
- **Image Opacity (Day 8)**
- **Styling lists (Day 9)**
- **Styling links (Day 9)**
- **Gradients (Day 9)**
- **2D-transformations (Day 10)**
- **3D-transformations (Day 10)**
- **Transitions animations (Day 10)**
- **Bootstrap**
 - **Getting started with Bootstrap (Day 11)**
 - **Setup templates and Navbar (Day 11)**
 - **Typography forms and tables (Day 11)**
 - **CSS components (Day 12)**
 - **Grid systems (Day 12)**
 - **Modal, Dropdown,tabs & tooltip (Day 12)**
 - **Collapse, accordion and carousel (Day 13)**
 - **Custom bootstrap theme (Day 13)**

Jquery

4 Hours - 6 Topics

- **Getting started with Jquery (Day 14)**
- **Selectors and Mouse events (Day 14)**
- **Form events (Day 14)**
- **DOM manipulation (Day 15)**
- **Effects & animation (Day 15)**
- **Traversing and filtering (Day 15)**

Ajax

6 Hours - 9 Topics

- **Introduction (Day 16)**
- **Technologies (Day 16)**
- **Examples (Day 16)**
- **Browser support (Day 16)**
- **Action (Day 17)**
- **XMLHTTP request (Day 17)**
- **Databse operation (Day 18)**
- **security (Day 18)**
- **issues (Day 18)**

Javascript

10 Hours - 18 Topics

- **Introduction (Day 19)**
- **Buttons (Day 19)**
- **Change html content (Day 19)**
- **Change style content (Day 19)**

- **Variable and data types (Day 19)**
- **Change html using variables (Day 19)**
- **Functions (Day 20)**
- **Objects (Day 20)**
- **Object constructors array (Day 20)**
- **if & else (Day 21)**
- **for loop (Day 21)**
- **while loop (Day 21)**
- **Regular expressions (Day 22)**
- **Errors (Day 22)**
- **Set interval and set timeouts (Day 22)**
- **Window and screen (Day 23)**
- **Alert boxes (Day 23)**
- **Cookies (Day 23)**

PHP

14 Hours - 26 Topics

- **Introduction (Day 24)**
- **Embed PHP in html (Day 24)**
- **PHP variable (Day 24)**
- **Data types: string (Day 24)**
- **Data types: Integer & floats (Day 24)**
- **Data types: Boolean (Day 24)**
- **Data types: objects (Day 24)**
- **Data types: array (Day 25)**
- **Data types: null (Day 25)**
- **Data types: resources (Day 25)**
- **String functions (Day 25)**
- **if and switch statements (Day 25)**
- **for loops (Day 25)**
- **While loops (Day 26)**
- **Functions (Day 26)**
- **Get & post (Day 26)**
- **Array functions (Day 27)**
- **Send emails (Day 27)**
- **Filter user inputs (Day 28)**
- **Data & time (Day 28)**
- **Include PHP files (Day 28)**
- **File handling (Day 29)**
- **Upload files (Day 29)**
- **Cookies (Day 29)**
- **Error Handling (Day 30)**
- **Sessions (Day 30)**

Mysql

6 Hours - 10 Topics

- **Getting started with mysql (Day 31)**
- **An overview of sql (Day 31)**
- **xampp and mysql setup (Day 31)**
- **Create tables,columns and insert data (Day 31)**
- **Selecting data (Day 32)**
- **Distinct aliases and concat (Day 32)**
- **Update delete and alter (Day 32)**
- **Foreign Keys (Day 32)**
- **Table joins (Day 33)**
- **Populate database once user submits a form (Day 33)**

Project

4 Hours - Day 34 & 35