

Lesson plan for web development with C#, Asp.net, SQL server, CSS, html, Java Script, Jquery in 120 hours

- **Week 1-2: Introduction to Web Development and C# Basics (12 hours)**
 - Overview of web development and its components
 - Introduction to C# programming language
 - Setting up the development environment (Visual Studio)
 - Basic C# syntax, data types, and variables
- **Week 3-4: HTML, CSS, and Front-End Basics (12 hours)**
 - Introduction to HTML and its structure
 - Creating basic HTML pages and forms
 - Introduction to CSS for styling web pages
 - Applying styles, classes, and IDs
 - Responsive design principles
- **Week 5-6: JavaScript Fundamentals (12 hours)**
 - Introduction to JavaScript and its role in web development
 - Variables, data types, and operators
 - Functions and control flow in JavaScript
 - DOM manipulation and event handling
- **Week 7-8: jQuery and Front-End Interaction (12 hours)**
 - Introduction to jQuery for simplified DOM manipulation
 - Working with jQuery selectors and events
 - Building interactive web elements using jQuery
- **Week 9-10: ASP.NET Web Forms and Server-Side Logic (12 hours)**
 - Overview of ASP.NET Web Forms framework
 - Creating web forms and server controls
 - Handling user input and form submission
 - State management techniques (view state, session, etc.)
- **Week 11-12: SQL Server and Database Fundamentals (12 hours)**
 - Introduction to SQL Server and relational databases
 - Designing database schema and tables
 - Writing basic SQL queries (SELECT, INSERT, UPDATE, DELETE)

- **Week 13-14: Advanced Front-End Development (12 hours)**
 - CSS layout techniques and responsive design
 - Introduction to CSS frameworks (e.g., Bootstrap)
 - CSS pre-processors (e.g., SASS/LESS)
- **Week 15-16: ASP.NET MVC and Dynamic Web Applications (12 hours)**
 - Introduction to ASP.NET MVC framework
 - Model-View-Controller architecture
 - Building dynamic web applications using Razor syntax
- **Week 17-18: Authentication, Security, and APIs (12 hours)**
 - User authentication and authorization
 - Implementing registration and login functionality
 - Introduction to APIs and RESTful principles
- **Week 19-20: Advanced JavaScript and Deployment (12 hours)**
 - Advanced JavaScript concepts (closures, async programming)
 - Handling API requests and responses
 - Introduction to Git version control
 - Deploying web applications to hosting services
- **Week 21-22: Final Projects and Wrap-Up (12 hours)**
 - Splitting the class into groups for final projects
 - Project planning, development, and troubleshooting
 - Presentation and sharing of final projects

Throughout the course, allocate time for practical exercises, coding challenges, and hands-on projects. Encourage students to work on real-world scenarios to reinforce their learning and gain practical experience. This plan is designed to introduce each technology while allowing room for practice and exploration.