# 2-Month Roadmap (Web Technology with HTML, CSS, JavaScript, C#, .NET)

## Week 1: HTML5

• Basic structure of a webpage (doctype, head, body)

• Semantic tags (<header>, <footer>, <article>)

• Forms, tables, lists, media (video/audio)

• Accessibility basics

## Week 2: CSS3

• CSS selectors & properties

• Box model (margin, padding, border)

• Flexbox & CSS Grid

• Colors, fonts, typography

• Media queries (responsive design)

• CSS animations & transitions

## Week 3: JavaScript Fundamentals

• Variables (let, const, var)

• Data types, operators, expressions

• Functions (regular & arrow)

• Conditionals & loops

• DOM manipulation (querySelector, events, innerHTML)

• Basic form validation

## Week 4: Advanced JavaScript

• Arrays & Objects (methods: map, filter, reduce)

• ES6+ Features: destructuring, template literals, spread/rest

• Event handling & delegation

• Fetch API (GET, POST)

• Promises & Async/Await

• LocalStorage & SessionStorage

## Week 5: C# Basics

• Introduction to C# syntax & .NET

• Data types, variables, operators

• Methods & parameters

• Conditionals & loops

• Arrays, Lists, Dictionaries

• Exception handling

## Week 6: Object-Oriented C#

• Classes & objects

• Constructors & destructors

• Inheritance & polymorphism

• Interfaces & abstract classes

• Properties & encapsulation

• Collections & LINQ basics

## Week 7: ASP.NET Core Basics

• Setup .NET project

• MVC Architecture (Model, View, Controller)

• Razor pages & layout views

• Routing basics

• Forms & model binding

• Dependency injection

## Week 8: ASP.NET with Database

• Entity Framework Core (EF Core) basics

• Connecting to SQL Server

• Migrations & schema

• CRUD operations (Create, Read, Update, Delete)

• Authentication & authorization basics

• Deploying ASP.NET Core app (IIS / Azure / Docker)