

| <b>Week</b>              | <b>Day</b> | <b>Date</b> | <b>Module</b>                                | <b>Topics</b>  | <b>Duration</b> |
|--------------------------|------------|-------------|--|--|-----------------|
| Week 1                   | Day 1      | 2/16/2026   | HTML5  | Introduction, Getting Started, Elements & Attributes, Tables and lists   | 8               |
|                          | Day 2      | 2/17/2026   | HTML5  | Navigation, Web Forms 2.0  | 8               |
|                          | Day 3      | 2/18/2026   | CSS3   | Introduction to CSS3, Styling Text and Fonts, Box Model Basics, Colors, Backgrounds, and Borders, Layout with CSS, Selectors<br>Advanced Concepts like Media Queries and RWD | 8               |
|                          | Day 4      | 2/19/2026   | JavaScript                                   | Introduction to JavaScript, JavaScript Basics and Control Flow   | 8               |
|                          | Day 5      | 2/20/2026   | JavaScript                                   | Functions and Scope<br>Objects and the Document Object Model (DOM)   | 4               |
|                          | Day 5      | 2/20/2026   | Interview prep hands-on session              | Interview Preparation (Labs, Mock  | 4               |
| Weekly Assessment: Prism |            |             |  |  |                 |
| Week 2                   | Day 6      | 2/23/2026   | Javacsript (Contd) + HTML5 (Programming API) | Events<br>HTML API's   | 8               |
|                          | Day 7      | 2/24/2026   | HTML5 (Programming API)+ JavaScript          | Web Storage<br>Web SQL Database<br>Geo location +<br>Arrays and Array Methods<br>Asynchronous JavaScript   | 8               |
|                          | Day 8      | 2/25/2026   | JavaScript                                   | JavaScript ES6+ Features<br>JavaScript in Web Development  | 8               |

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|                          | Day 9  | 2/26/2026 | Javascript+ Bootstrap           | Debugging and Testing JavaScript<br>Introduction to JavaScript Frameworks and Libraries + Introduction to Bootstrap 5<br>Bootstrap Grid System<br>Bootstrap Components | 8 |
|                          | Day 10 | 2/27/2026 | Bootstrap                       | Bootstrap Utilities and Helpers<br>Advanced Bootstrap 5 Features   | 4 |
|                          | Day 10 | 2/27/2026 | Interview prep hands-on session | Interview Preparation (Labs,Mock   | 4 |
| Weekly Assessment: Prism |        |           |                                 |  |   |
| Week 3                   | Day 11 | 3/2/2026  | Jquery                          | Introduction to jQuery and its   | 8 |
|                          | Day 12 | 3/3/2026  | ANSI SQL using MSSQL Server     | Overview of ANSI SQL<br>Introduction to Database Design<br>Data Modelling Process<br>Database Design<br>Design Considerations<br>Data Types                            | 8 |
|                          | Day 13 | 3/4/2026  | ANSI SQL using SQL Server       | Constraints<br>Querying data<br>Sorting data<br>Filtering data<br>Joining tables<br>Grouning data  | 8 |
|                          | Day 14 | 3/5/2026  | ANSI SQL using SQL Server       | Subquery<br>Set Operators<br>Modifying data<br>Expressions   | 8 |

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|                                  | Day 15                   | 3/6/2026  | Advanced SQL                                    | Getting Started<br>Advanced Concepts<br>Views and Indexes   | 8 |
|                                  | Day 15                   | 3/6/2026  | Interview prep hands-on session                 | Interview Preparation (Labs,Mock)   | 4 |
| Weekly Assessment: Prism         |                          |           |   |   |   |
| <b>Skill Assessment(iMocha)</b>  |                          |           |   |   |   |
| Week 4                           | Day 16                   | 3/9/2026  | Advanced SQL                                    | Stored Procedures and User-Defined Functions<br>Triggers and Cursors  | 8 |
|                                  | Day 17                   | 3/10/2026 | Advanced SQL + Introduction to .NET 8 and C# 12 | Exception Handling<br>Transactions + '.Net Framework Assemblies and Global Assembly Cache (GAC)<br>Visual Studio features | 8 |
|                                  | Day 18                   | 3/11/2026 | C# 12   | Introduction to C# and .NET 8<br>C# Syntax and Basic Constructs<br>Control Flow Statements                                | 8 |
|                                  | Day 19                   | 3/12/2026 | C# 12   | Functions and Methods<br>Introduction to OOP Concepts   | 8 |
|                                  | Day 20                   | 3/13/2026 | C# 12   | Encapsulation and Properties  | 4 |
|                                  | Day 20                   | 3/13/2026 | Interview prep hands-on session                 | Interview Preparation (Labs,Mock)   | 4 |
|                                  | Weekly Assessment: Prism |           |   |   |   |
| <b>Mini Sequential Project 1</b> |                          |           |   |   |   |
| Week 5                           | Day 21                   | 3/16/2026 | C# 12   | Inheritance and Polymorphism  | 8 |
|                                  | Day 22                   | 3/17/2026 | C# 12   | Records and Structs<br>Exception Handling   | 8 |

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| Day 23                   | 3/18/2026 | C# 12                              | Nullable Types and Null Safety<br>Collections and LINQ   | 8   |
| Day 24                   | 3/19/2026 | C# 12                              | Tuples and Pattern Matching<br>Enhancements<br>File Handling and I/O Operations<br>Multi-Threading | 8   |
| Day 25                   | 3/20/2026 | C# 12                              | Asynchronous Programming with<br>Async/Await<br>Debugging and Tracing                              | 4   |
| Day 25                   | 3/20/2026 | Interview prep hands-on<br>session | Interview Preparation (Labs,Mock   | 4   |
| Weekly Assessment: Prism |           |                                    |  |   |
| Week 6                   | Day 26    | 3/23/2026                          | C# 12  | Secure Coding   |
|                          | Day 27    | 3/24/2026                          | C# 12  | SOLID Principles and Design<br>patterns   |
|                          | Day 28    | 3/25/2026                          | Code Quality and standards   | Coding Standards<br>Performance<br>Code Reviews   |
|                          | Day 29    | 3/26/2026                          | ASP.Net Core 8.0   | Introduction to ASP.NET Core 8<br>Creating a New ASP.NET Core<br>Project<br>Understanding MVC<br>Architecture |
|                          | Day 30    | 3/27/2026                          | Asp.Net Core 8.0   | Working with Models<br>Building Controllers   |
|                          | Day 30    | 3/27/2026                          | Interview prep hands-on<br>session   | Interview Preparation (Labs,Mock  |
| Weekly Assessment: Prism |           |                                    |  |   |
| Skill Assessment(iMocha) |           |                                    |  |   |
| Week 7                   | Day 31    | 3/30/2026                          | Asp.Net Core 8.0   | Designing Views in ASP.NET  |
|                          |           |                                    |  | 8   |

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| Day 32 | 3/31/2026  | ASP.Net Core 8.0                | Working with Forms and User Input<br>State Management<br>Integrating EF Core 8 with ASP.NET Core  | 8                           |
| Day 33 | 4/1/2026   | ASP.Net Core 8.0                | Dependency Injection (DI) in ASP.NET Core<br>Publishing and Deployment  | 8                           |
| Day 34 | 4/2/2026   | Entity Framework 8.0            | Overview of EF Core 8 and .NET 8 Integration<br>Setting up EF Core in a .NET 8 Project<br>Creating a Simple Database Model<br>Performing Basic CRUD Operations  | 8                           |
| Day 35 | 4/3/2026   | Entity Framework 8.0            | LINQ Queries in EF Core 8<br>EF Core Migrations and Database Updates<br>Handling Relationships and Data Loading<br>Performance Optimizations and Best Practices | 4                           |
| Day 35 | 4/3/2026   | Interview prep hands-on session | Interview Preparation (Labs, Mock)  | 4                           |
|        | Weekly Assessment: Prism   |                                 |   |                             |
|        | Mini Sequential Project 2  |                                 |   |                             |
| Week 8 | Buffer Week - Mock Interview preparation, Assignments completion, Backlogs |                                 |   |                             |
| Week 9 | Day 41   | 4/13/2026                       | Dapper  | Getting Started with Dapper |

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| Day 42                   | 4/14/2026 | Dapper                          | Using Parameters with Dapper<br>Using Relationships with Dapper<br>Bulk Operations with Dapper | 8   |
| Day 43                   | 4/15/2026 | ASP.NET Core 8 Web API          | Introduction to Web APIs and ASP.NET Core<br>Building RESTful APIs with ASP.NET Core           | 8   |
| Day 44                   | 4/16/2026 | ASP.NET Core 8 Web API          | Data Access and Integration<br>API Security  | 8   |
| Day 45                   | 4/17/2026 | ASP.NET Core 8 Web API          | Exception handling and logging   | 4   |
| Day 45                   | 4/17/2026 | Interview prep hands-on session | Interview Preparation (Labs,Mock)  | 4   |
| Weekly Assessment: Prism |           |                                 |  |   |
| Week 10                  | Day 46    | 4/20/2026                       | ASP.NET Core 8 Web API   | Advanced API Features   |
|                          | Day 47    | 4/21/2026                       | ASP.NET Core 8 Web API + Microservices   | Performance & Optimization<br>Introduction to Microservices                     |
|                          | Day 48    | 4/22/2026                       | Microservices  | Microservice Communication and Data Management                                  |
|                          | Day 49    | 4/23/2026                       | Microservices  | Security, Monitoring, and Deployment  |
|                          | Day 50    | 4/24/2026                       | Nunit and Moq  | Getting Started<br>Fundamentals of Unit Testing<br>Core Unit Testing Techniques |
|                          | Day 50    | 4/24/2026                       | Interview prep hands-on session  | Interview Preparation (Labs,Mock)   |

|         | Weekly Assessment: Prism |           |                           |  |   |
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|         | Skill Assessment(iMocha) |           |                           |  |   |
| Week 11 | Day 51                   | 4/27/2026 | Nunit and Moq + Code      | Overview of Code Analysis  | 8 |
|         | Day 52                   | 4/28/2026 | Code Analysis and Logging | Introduction to Logging in .NET 8<br>Configuring Logging in .NET 8<br>Logging Levels and Categories<br>Logging in Controllers and Services<br>Log Filtering and Configuration<br>Introduction to log4net<br>Basic Logging with log4net | 8 |
|         | Day 53                   | 4/29/2026 | Application debugging     | Overview of Web API Debugging<br>Debugging in Visual Studio<br>Handling Exceptions<br>Using Postman for API Testing<br>Debugging API Calls with Postman<br>Advanced Debugging Techniques   | 8 |
|         | Day 54                   | 4/30/2026 | Angular(v16) - Session 1  | Introduction to Angular and Setting Up Environment<br>Introduction to Node.js<br>Core Node.js Modules<br>Asynchronous Programming Basics   | 8 |

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|                          | Day 55                    | 5/1/2026  | Angular(v16) - Session 2                      | TypeScript Essentials for Angular<br>Functions & Arrow Functions<br>Interfaces & Type Aliases<br>Classes & OOP Concepts | 4 |  |
|                          | Day 55                    | 5/1/2026  | Interview prep hands-on session               | Interview Preparation (Labs,Mock)   | 4 |  |
| Weekly Assessment: Prism |                           |           |   |   |   |  |
| Week 12                  | Day 56                    | 5/4/2026  | Angular(v16) - Session 3                      | Generics  | 8 |  |
|                          | Day 57                    | 5/5/2026  | Angular(v16) - Session 4                      | Directives and Pipes<br>Angular Forms   | 8 |  |
|                          | Day 58                    | 5/6/2026  | Angular(v16) - Session 5                      | Dependency Injection and Services<br>Angular Routing and Navigation   | 8 |  |
|                          | Day 59                    | 5/7/2026  | Angular(v16) - Session 6                      | Router Features<br>HTTP Client and APIs   | 8 |  |
|                          | Day 60                    | 5/8/2026  | Angular(v16) - Session 7                      | State Management in Angular   | 4 |  |
|                          | Day 60                    | 5/8/2026  | Interview prep hands-on session               | Interview Preparation (Labs,Mock)   | 4 |  |
|                          | Weekly Assessment: Prism  |           |   |   |   |  |
|                          | Mini Sequential Project 3 |           |   |   |   |  |
|                          | Skill Assessment(iMocha)  |           |   |   |   |  |
| Week 13                  | Day 61                    | 5/11/2026 | Angular(v16) - Session 8                      | Reactive Programming with RxJS  | 8 |  |
|                          | Day 62                    | 5/12/2026 | Application Debugging - Front-end - Session 1 | Debugging Angular Applications with Chrome DevTools<br>Debugging with Visual Studio Code                                | 8 |  |

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| Day 63                   | 5/13/2026 | Agile methodology               | Introduction to Agile<br>Agile Manifesto<br>Scrum Framework<br>Agile Estimation and Planning<br>Agile User Stories<br>Agile Metrics and Reporting<br>SDLC vs Agile | 8   |   |
| Day 64                   | 5/14/2026 | Git and Github                  | Overview of Git and Git Rebase<br>Set up and Create a Git Repository<br>CRUD Operations on Git<br>Overview of GitHub<br>Set up and Configure GitHub Account        | 8   |   |
| Day 65                   | 5/15/2026 | Docker Basics                   | Introduction<br>Docker Commands<br>Docker Run<br>Docker Images<br><u>Docker Compose</u>  | 4   |   |
| Day 65                   | 5/15/2026 | Interview prep hands-on session | Interview Preparation (Labs,Mock   | 4   |   |
| Weekly Assessment: Prism |           |                                 |  |   |   |
| Week 14                  | Day 66    | 5/18/2026                       | Docker basics + Azure  | Docker Registry   | 8 |
|                          | Day 67    | 5/19/2026                       | Azure fundamentals   | Azure Basic Concepts<br>Azure Compute<br>Azure Networking<br><u>Data in Azure</u>             | 8 |
|                          | Day 68    | 5/20/2026                       | Azure fundamentals + Azure DevOps  | Messaging in Azure<br>Azure Active Directory +<br>Introduction to Azure DevOps<br>Azure Repos | 8 |

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| Day 69                   | 5/21/2026 | Azure DevOps                    | Azure Boards<br>Azure Pipelines Basics<br>Advanced Azure Pipelines | 8 |
| Day 70                   | 5/22/2026 | Azure DevOps                    | Azure Release Pipelines<br>Azure Test Plans                        | 4 |
| Day 70                   | 5/22/2026 | Interview prep hands-on session | Interview Preparation (Labs,Mock                                   | 4 |
| Weekly Assessment: Prism |           |                                 |  |   |
| Skill Assessment(iMocha) |           |                                 |  |   |
| Week 15                  | Day 71    | 5/25/2026                       | Capstone Mentorship  | 8 |
|                          | Day 72    | 5/26/2026                       | Capstone Mentorship  | 8 |
| Final Evaluation         |           |                                 |  |   |