

From Zero to .NET MAUI

Learning XAML for use in .NET MAUI can be a little daunting. This course shows you how to get up to speed quickly and easily. This course builds a complete application as you learn about basic XAML controls, working with styles, the various list controls, and data binding. The Model-View-View-Model (MVVM) design pattern is shown so you learn the correct way to build .NET MAUI applications. Several examples of business application forms will be shown to illustrate many of the concepts learned throughout this course.

Learning Objectives

What is XAML and .NET MAUI

Using styles and resource dictionaries.

Making the most of the various controls in .NET MAUI.

Take advantage of data binding and the MVVM design pattern.

Learn Dependency Injection.

Creating an N-Tier application to be used beyond .NET MAUI.

Prerequisites

We assume you are familiar with C#, .NET Core and Visual Studio and have access to these tools during the course.

Course Length

2 days hands-on

Overview of the Modules in this Course

- Overview of XAML
- Create Your First .NET MAUI Application
- Design a User Detail Screen Using a Grid
- Flexible UI Using Stacks and Flex Layouts

- Add Styles to Improve the User Experience

- Navigating From One Screen to Another
- Create Reusable UI With Content Views
- Borders, Frames, and ScrollView Separate UI Elements
- Select Options with Switch and Radio Buttons
- Dates, Times, and Drop-Down Lists
- Binding Controls to Other Controls
- Create Objects in XAML and Bind to Your UI
- Update UI When Properties Change In Your Classes
- Understanding the MVVM Design Pattern
- Reduce Class Coupling with Dependency Injection
- Avoid Code Behind by Using Commanding
- Display Lists of Data with Collection Views
- Navigating From Lists to Detail Views
- Using Carousel and Indicator