

.NET MAUI: XAML, MVVM & SQLite

Learn to build cross-platform apps with .NET MAUI, using XAML, MVVM, styling, collection views and SQLite.

9

MODULES

29

TOPICS

COURSE OVERVIEW

This course introduces .NET MAUI as a cross-platform framework and compares it with Xamarin before covering pages, layouts and navigation with XAML. It then examines MAUI controls, MVVM architecture with data binding, and styling through implicit, explicit, global and dynamic styles. Further modules cover collection views, consuming REST services with CRUD operations, connecting to and performing CRUD over SQLite, and working with the MVVM Toolkit.

WHO THIS COURSE IS FOR

MAUI Developers

Mobile App Developers

Cross-Platform Developers

.NET Developers

XAML Developers

LEARNING OBJECTIVES

- Explain the .NET MAUI framework and compare it with Xamarin
- Describe MAUI pages, layouts and navigation using XAML
- Apply MAUI controls to display and manipulate data
- Implement MVVM architecture with view models and data binding
- Configure implicit, explicit, global and dynamic styles
- Build collection views with menus, headers and footers
- Consume REST services and perform CRUD operations
- Connect MAUI to SQLite and perform CRUD operations

9 Modules, 29 Topics

01

Getting Started with MAUI

TOPICS

Understanding .NET Framework · .NET MAUI a Cross Platform Framework · MAUI vs Xamarin

02

MAUI Pages & Layout

TOPICS

Understanding XAML · Different MAUI Pages · Navigation with MAUI · Utilizing inbuilt layouts

03

MAUI Controls

TOPICS

Working with MAUI Controls · Manipulate Data Using Controls

04

Working with MVVM Architecture

TOPICS

Creating View Model Structure · Data Binding between Views & Models · Manipulating Data in MVVM

05

Designing MAUI with Styles

TOPICS

Implicit Style v/s Explicit Style · Global & Inherited Style · Creating Dynamic Style

06

Working with Collection View

TOPICS

Collection View v/s List View · Menus · Listing · Segments (header & Footer) · Custom Collections · Manipulating Elements

07

Rest Services in MAUI

TOPICS

Consuming Rest Services in MAUI · Performing CRUD using MAUI

08

Working with SQLite

TOPICS

Understand SQLite · NuGet Packages · Connecting MAUI to SQLite · Performing CRUD over SQLite using MAUI

09

Toolkit

TOPICS

Installing with MVVM Toolkit · Working with MVVM Toolkit

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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