

Development of Windows applications using WPF using the MVVM pattern







Course code: DOTNET_WPF2

The course is taught for .NET developers who are interested in taking advantage of the MVVM architecture in creating WPF applications. You will learn to understand the advantages and disadvantages of this approach not only in theory, but also how to apply it in real situations, including design variants and related decisions, on real examples.

Affiliate	Duration	Course price	ITB
Praha	3	13 800 Kč	30
Brno	3	13 800 Kč	30
Bratislava	3	600 €	30

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
 08.01.2025	3	480 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT
 08.01.2025	3	13 800 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT
 08.01.2025	3	13 800 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
 05.05.2025	3	13 800 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
 05.05.2025	3	480 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT
 05.05.2025	3	13 800 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT

The prices are without VAT.

Required input knowledge

- Experience with c # programming at GOC2125 and DOTNET_WPF levels is assumed
- Development experience with Visual Studio
- Experience with object-oriented programming in C #
- Experience with LINQ technology

Teaching methods

- Expert explanation with practical examples, exercises on computers

Course syllabus

Architecture and MV * patterns

MVVM - what, why, how

Model

- Link with three-tier architecture
- Model requirements
- Useful Designs - Facade and Adapter

ViewModel

- Purpose and responsibilities
- INotifyPropertyChanged and ObservableCollection
- Model and viewmodel status - differences
- Hybrid architecture - MVP vs MVVM
- Navigation and Pattern Mediator

View

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Development of Windows applications using WPF using the MVVM pattern

- XAML, resources, binding
- Sequence of events and how to avoid event loops

Dependency and constraint management

- Manual access
- IoC / DI

Alternatives

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