



# Windows Application Development Cookbook

*Marcin Jamro*

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## Key Features

- Learn to build applications for Windows 10, the latest Windows version
- Develop your applications to be compatible with smartphones, tablets, and desktops
- This guide is packed with recipes covering major solutions to day-to-day problems faced by Windows programmers

## Book Description

Need to ensure you can always create the best Windows apps regardless of platform? What you need are solutions to the biggest issues you can face, so you can always ensure you're making the right choices and creating the best apps you can.

The book starts with recipes that will help you set up the integrated development environment before you go ahead and design the user interface. You will learn how to use the MVVM design pattern together with data binding, as well as how to work with data in different file formats.

Moving on, you will explore techniques to add animations and graphics to your application, and enable your solution to work with multimedia content.

You will also see how to use sensors, such as an accelerometer and a compass, as well as obtain the current GPS location. You will make your application ready to work with Internet-based scenarios, such as composing e-mails or downloading files, before finally testing the project and submitting it to the Windows Store.

By the end of the book, you will have a market-ready application compatible across different Windows devices, including smartphones, tablets, and desktops.

## What you will learn

- Start developing universal applications for Windows 10
- Design user interface in the XAML language
- Use the MVVM design pattern with data binding
- Store data in files and in a database
- Use multimedia content and animations
- Capture data from built-in sensors
- Handle various Internet-based scenarios
- Test the application and submit it to the Windows Store

## About the Author

**Marcin Jamro**, PhD, is an entrepreneur and researcher as well as a developer and architect of various kinds of application, such as web, mobile, and distributed ones. He is interested in many aspects of computer science, including software engineering and project management. Marcin is passionate about C#, C++, and C

languages in general, design patterns, new technologies, and mobile devices, especially the Windows platform.

He has significant practical experience in project development and holds the position of the President of the Board at TITUTO Sp. z o.o. [Ltd.] in Rzeszow, Poland. His company develops various IT projects, including mobile and web applications. To add to this, TITUTO Sp. z o.o. [Ltd.] has a set of its own products dedicated to hotels and tour operators. You can read more about them at <http://tituto.com>.

Marcin has published several papers, taken part in many conferences, organized a few of them, and participated in two internships at Microsoft in Redmond, USA. He has Microsoft Certified Professional, Microsoft Certified Technology Specialist, and Microsoft Certified Professional Developer certificates.

You can find out more about Marcin on his website, <http://jamro.biz>, and you can easily contact him by sending an e-mail to [marcin@jamro.biz](mailto:marcin@jamro.biz).

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#### Ivan Dinkel:

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