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# Professional Visual Studio® 2010

Nick Randolph, David Gardner, Michael Minutillo, Chris Anderson



# PROFESSIONAL VISUAL STUDIO® 2010

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PROFESSIONAL

# Visual Studio® 2010

Nick Randolph  
David Gardner  
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*To my beautiful Cynthia*

—NICK RANDOLPH

*To my wife Julie*

—DAVID GARDNER

*For Barbara, amore sempre*

—MICHAEL MINUTILLO

*For my parents, Michael and Narelle*

—CHRIS ANDERSON





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I would especially like to thank everyone at Wrox who has helped me re-learn the art of technical writing—in particular, Kelly Talbot, whose attention to detail has resulted in consistency throughout the book despite there being four authors contributing to the process, and Paul Reese (whose ability to get us back on track was a life-saver), who made the whole process possible.

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Lastly, I would like to thank all of my fellow Australian MVP developers and the Microsoft staff, who were always able to answer any questions along the way.

—NICK RANDOLPH

**WRITING A BOOK IS WITHOUT A DOUBT** among the most rewarding and challenging activities I’ve ever undertaken. I thought it would be easier the second time around, but alas I was quickly proven wrong. However, in the process I have amassed a wealth of knowledge that I never would have found the time to learn otherwise.

The production behind this book is significant, and I am especially thankful to the team at Wrox who worked tirelessly behind the scenes to bring it to fruition. Without Paul Reese and Kelly Talbot working as hard as they did to cajole the next chapter out of us, we never would have gotten this finished. It was a pleasure to be in such experienced hands, and I thank them for their patience and professionalism.

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—DAVID GARDNER

**FIRST AND FOREMOST** I'd like to thank my co-authors Nick and Dave for inviting me to join them on this adventure. That act of trust and faith has sustained me during several very early morning writing sessions. When I first appeared on the Perth .NET scene Nick and Dave welcomed me with loads of friendly advice and conversation. It's an atmosphere that the community here retains to this day. A special thanks goes to Chris for racing me to the finish line. When one day we finally meet in person, I think I owe you a drink.

Like most first-time authors I had no real clue what I was getting myself into when I agreed to write this book. Thanks to the team at Wrox for patiently educating me. Special thanks goes to Kelly Talbot who continually worked to keep me on schedule and who coordinated the team that made my sections readable. Editing a technical book of this size has got to be an interesting challenge and ensuring consistency across four authors must make it particularly difficult.

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—MICHAEL MINUTILLO

**WHEN I WAS INVITED TO JOIN** Nick, Dave, and Michael in writing this book, I had no idea what I was getting myself into. Writing is a gruelling and time-consuming process — far more than I could have ever imagined. Each chapter is almost like writing a thesis in itself, but on a strict time budget, only to move onto the next once it's done. Knowing that thousands of people would be reading my chapters and relying on the information that they contain only added to the stress, but I am quite proud of what we've managed to produce, and hope that it gives you the skills and knowledge to become a Visual Studio power user. It's been a big learning curve, and I came to realize how much I think and produce solely in code rather than in English. There's a definite skill in effectively expressing concepts in the written form, and I have a newfound appreciation and respect for those who do it so well.

I'd like to thank Nick and Dave for inviting me to be a part of the team. I was very much honored to be asked and to actually be involved in this project. My thanks go to all three of my co-authors: Nick, Dave, and Michael. Despite being located at opposite sides of Australia I think we've worked remarkably well as a team, and I appreciate all your effort, feedback, and encouragement. My thanks also go to our editor Kelly Talbot, who kept us in check and valiantly (if not always successfully) attempted to keep us on schedule. While I have received help from a number of people at Microsoft, I must particularly thank Dustin Campbell and John Vulner who provided me with some valuable help and answers.

On a personal note, I would like to thank my parents Michael and Narelle, whose hard work, generosity, and love have been my inspiration.

—CHRIS ANDERSON

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