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Professional SharePoint® 2010 Development

Tom Rizzo, Reza Alirezaei, Paul J. Swider, Scot Hillier, Jeff Fried, Kenneth Schaefer

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PROFESSIONAL SHAREPOINT® 2010 DEVELOPMENT

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PROFESSIONAL

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This book is dedicated to the memory of Dyana Eckstein who was a loved sister, aunt, and friend. She will always be loved and remembered in our thoughts. We miss and love you.

—Tom Rizzo

I would like to dedicate this book to S. Khatoon. Thank you for being the love of my life, my best friend, and my family!

—Reza Alirezaei

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—Reza Alirezeai

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INTRODUCTION

THIS BOOK IS FOR ANYONE INTERESTED in developing applications on top of SharePoint 2010. While some knowledge is assumed about SharePoint, readers will find the examples comprehensive and easy to follow if they have previous knowledge of web development and development tools.

WHAT THIS BOOK COVERS

SharePoint 2010 is a big product and this book is a big, diverse book. So, before you dive into the book, we wanted to give you a little feel for what each chapter entails and what you can expect once you have read the chapter.

Introductory Chapters

The first couple of chapters provide an introduction to SharePoint 2010, since the 2010 release is a large release across all the many SharePoint workloads. In these chapters, you will develop an understanding of the features that 2010 provides, from creating collaboration sites to managing your content.

From there, you will explore the new developer tools in Visual Studio 2010 for SharePoint. With the 2010 release of Visual Studio, Microsoft has invested in making Visual Studio a first-class SharePoint development tool with new development, debugging, and testing tools targeted specifically at SharePoint 2010.

Finally, you will see the IT professional improvements for developers. These improvements make deploying and debugging with your IT counterparts faster and easier.

Platform Services

The next section of the book is about the base platform services and APIs provided by SharePoint. This is a big section since SharePoint is a big product with a lot of platform services. This section also serves as a basis for the rest of the book when it comes to the APIs and protocols that you will use to develop with SharePoint.

Workload Chapters

The majority of the book focuses on the workload services and platform provided by SharePoint. This includes social networking, content management, search, forms, and business intelligence. This section of the book is where you can learn to build applications that extend the built-in workloads of SharePoint and shape them to perform the functionality you need to solve your business problems.

Online Services

The last section introduces you to moving your applications to Microsoft's cloud services called Microsoft Online Services. Through these cloud services, specifically Microsoft SharePoint Online, you can start hosting and sharing your application in the cloud with either coworkers or business partners without having to run the IT infrastructure yourself.

HOW THIS BOOK IS STRUCTURED

This book is structured to build logically on the skills you learn as you progress through it. After the initial introduction and base platform chapters, the book moves into the more advanced part of the platform. Each chapter builds on knowledge acquired from earlier in the book, so you will want to read through the chapters in succession or at the very least read the introduction and platform chapters before reading later chapters in the book.

WHAT YOU NEED TO USE THIS BOOK

First, you will need a copy of SharePoint 2010. The book is written to the public beta of SharePoint 2010, so you will want to download the beta. We have done our best to also test against the released version of SharePoint, so please check the WROX site regularly to see if there are updated code samples available.

Besides SharePoint 2010, you will need Visual Studio 2010 and Office 2010. The easiest way to get all these products is to download the pre-build virtual machine, which includes these products that Microsoft will release after the RTM of SharePoint 2010.

CONVENTIONS

To help you get the most from the text and keep track of what's happening, we've used a number of conventions throughout the book.

Boxes like this one hold important, not-to-be forgotten information that is directly relevant to the surrounding text.

Notes, tips, hints, tricks, and asides to the current discussion are offset and placed in italics like this.

As for styles in the text:

- New terms and important words are *italicized* when introduced.
- Keyboard strokes are shown like this: Ctrl+A.
- File names, URLs, and code within the text looks like this: `persistence.properties`.
- Code is presented in two different ways:

```
We use a monofont type with no highlighting for most code examples.
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```

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