

Microsoft

MICROSOFT® APPLICATION ARCHITECTURE GUIDE

2nd Edition

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patterns & practices

Microsoft Application Architecture Guide 2nd Edition

Lei Shi



Microsoft Application Architecture Guide 2nd Edition:

Microsoft® Application Architecture Guide, 2nd Edition Microsoft Team, 2009 The definitive guide from the Microsoft patterns practices team on designing applications for the Microsoft application platform **NET Application Architecture Guide**, 2009 **Handbook of Mobile Application Development: A Guide to Selecting the Right Engineering and Quality Features** Mohamed Sarrah, Hafedh Al-Shihi, Naveen Safia, 2021-07-27 This handbook is a concise yet complete guide to fundamental engineering requirements and quality characteristics that users developers and marketers of mobile applications should be aware of It provides detailed definitions and descriptions of eight key software application features that are integral to the overall design and user experience goals and which may often overlap with certain functionalities The book explains the essential aspects of these features clearly to novice developers Readers will also learn about how to optimize the listed features to tailor their applications to the needs of their users Key Features Presents detailed information about eight different features which guide mobile application development capability reliability usability charisma security performance mobility and compatibility Reader friendly structured layout of each chapter including relevant illustrations and clear language designed for quick learning Focus on both software function and user perception of applications on mobile devices Includes a handy appendix with information about mobile learning projects and related work packages Handbook of Mobile Application Development A Guide to Selecting the Right Engineering and Quality Features is the ideal learning tool for novice software developers computer science students IT enthusiasts and marketers who want to design or develop mobile apps for an optimal user experience [MVVM Survival Guide for Enterprise Architectures in Silverlight and WPF](#) Ryan Vice, Muhammad Shujaat Siddiqi, 2012-08-03 Eliminate unnecessary code by taking advantage of the MVVM pattern in Silverlight and WPF using this book and eBook less code fewer bugs **Software Architecture 2** Mourad Chabane Oussalah, 2014-06-02 Over the past 20 years software architectures have significantly contributed to the development of complex and distributed systems Nowadays it is recognized that one of the critical problems in the design and development of any complex software system is its architecture i e the organization of its architectural elements Software Architecture presents the software architecture paradigms based on objects components services and models as well as the various architectural techniques and methods the analysis of architectural qualities models of representation of architectural templates and styles their formalization validation and testing and finally the engineering approach in which these consistent and autonomous elements can be tackled **Designing Software Architectures** Humberto Cervantes, Rick Kazman, 2016-04-29 Designing Software Architectures will teach you how to design any software architecture in a systematic predictable repeatable and cost effective way This book introduces a practical methodology for architecture design that any professional software engineer can use provides structured methods supported by reusable chunks of design knowledge and includes rich case studies that demonstrate how to use the methods Using realistic examples you ll master

the powerful new version of the proven Attribute Driven Design ADD 3.0 method and will learn how to use it to address key drivers including quality attributes such as modifiability, usability and availability along with functional requirements and architectural concerns. Drawing on their extensive experience, Humberto Cervantes and Rick Kazman guide you through crafting practical designs that support the full software life cycle from requirements to maintenance and evolution. You'll learn how to successfully integrate design in your organizational context and how to design systems that will be built with agile methods. Comprehensive coverage includes: Understanding what architecture design involves and where it fits in the full software development life cycle; Mastering core design concepts, principles and processes; Understanding how to perform the steps of the ADD method; Scaling design and analysis up or down including design for pre-sale processes or lightweight architecture reviews; Recognizing and optimizing critical relationships between analysis and design; Utilizing proven reusable design primitives and adapting them to specific problems and contexts; Solving design problems in new domains such as cloud, mobile or big data.

Pro Application Lifecycle Management with Visual Studio 2012 Joachim Rossberg, Mathias Olausson, 2012-11-27 You can have the best coders in the world working in your teams but if your project management isn't up to scratch your project is almost certain to be delayed, to come in over budget and in some cases to fail entirely. By taking precise control of your application development process you can make changes both large and small throughout your project's life cycle that will lead to better quality finished products that are consistently delivered on time and within budget.

Application lifecycle management (ALM) is an area of rapidly growing interest within the development community. Because its techniques allow you to deal with the process of developing applications across many areas of responsibility and across many different disciplines, its effects on your project can be wide ranging and pronounced. It is a project management tool that has practical implications for the whole team, from architects to designers, from developers to testers. *Pro Application Lifecycle Management with Visual Studio 2012* focuses on the most powerful ALM tool available for the Microsoft .NET Framework: Visual Studio Team Foundation Server. It demonstrates the key concepts and techniques of ALM at first with a guide to the overall methodology and then delves into architecture and testing, illustrating all of the concepts, tips and tricks using the tools TFS provides. The book serves as a complete guide to the ALM style with no fluff and many relevant code samples and examples. After reading the book you will understand how TFS can be used to generate continuous meaningful reporting on your project's health for the decision makers on your team as well as for your project's sponsors.

Python for Excel Felix Zumstein, 2021-03-04 While Excel remains ubiquitous in the business world, recent Microsoft feedback forums are full of requests to include Python as an Excel scripting language. In fact, it's the top feature requested. What makes this combination so compelling? In this hands-on guide, Felix Zumstein, creator of xlwings, a popular open source package for automating Excel with Python, shows experienced Excel users how to integrate these two worlds efficiently. Excel has added quite a few new capabilities over the past couple of years, but its automation language VBA stopped evolving a long time ago. Many Excel

power users have already adopted Python for daily automation tasks This guide gets you started Use Python without extensive programming knowledge Get started with modern tools including Jupyter notebooks and Visual Studio code Use pandas to acquire clean and analyze data and replace typical Excel calculations Automate tedious tasks like consolidation of Excel workbooks and production of Excel reports Use xlwings to build interactive Excel tools that use Python as a calculation engine Connect Excel to databases and CSV files and fetch data from the internet using Python code Use Python as a single tool to replace VBA Power Query and Power Pivot

E-Technologies: Transformation in a Connected World Gilbert Babin, Katarina Stanoevska-Slabeva, Peter Kropf, 2011-05-02 This volume constitutes the proceedings of the 5th International Conference on E Technologies MCETECH 2011 held in Les Diablerets Switzerland January 23-26 2011 Originally 10 papers were selected from a total of 32 submissions Seven additional papers were included following a second round of reviewing and improvement The papers in this volume cover topics such as process modeling organizational transformation e Business e Government e Education and e Health

React in Action Mark Thomas, 2018-05-28 Summary React in Action introduces front end developers to the React framework and related tools This clearly written example rich book begins by introducing you to React diving into some of the fundamental ideas in React and working with components In the second section you'll explore the different ways that data works in React as well as learning more about components You'll also find several useful appendixes covering related topics like React tooling and the React ecosystem Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology Facebook created React to help deliver amazing user experiences on a website with thousands of components and an incomprehensible amount of traffic The same powerful tools are available to you too The key is a clever design for managing state data flow and rendering so your application is easy to think about and runs smoothly Add an incredibly rich ecosystem of components and libraries and you've got a recipe for building web apps that will delight both developers and users About the Book React in Action teaches you to think like a pro about user interfaces and building them with React This practical book gets you up and running quickly with hands on examples in every chapter You'll master core topics like rendering lifecycle methods JSX data flow forms routing integrating with third party libraries and testing And the included application design ideas will help make your apps pop As you learn to integrate React into full stack applications you'll explore state management with Redux and server side rendering and even dabble in React Native for mobile UIs What's Inside React from the ground up Implementing a routing system with components Server side rendering in Node.js Working with third party libraries Testing React components About the Reader Written for developers familiar with HTML CSS and JavaScript About the Author Mark Thomas is an experienced software engineer who works daily with React JavaScript and Node.js He loves clean code beautiful systems and good coffee

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