Beginning Powerapps The Non Developers Guide To Building Business Le Applications

This certification guide offers complete, up-to-date coverage of the PL-200 exam so you can prepare effectively. The book covers topics such as configuring Dataverse, creating Power Apps, managing processes with Power Automate, implementing chatbots, and even integrating Power Platform with other apps. Leverage your existing web development skills to learn the whole cycle of hybrid mobile app development. This edition is fully updated with the changes in Ionic 4, including Stencil, a new framework based on the web components standard. It explains Ionic and Firebase in detail, including how to create hybrid mobile apps using using React and Vue, and run those apps in an internal browser using a wrapper created by Apache Cordova. Build Mobile Apps with Ionic 4 and Firebase shows you how to focus on developing front-end code, without needing to manage any back-end code or servers. You'll learn in the context of building a Hacker News client app, which can view top stories in Hacker News, view comments of a story, and add stories to favorites. Explore how Ionic 4 uses Angular as the JavaScript framework to easily develop apps using an interface similar to native apps, and how to access Firebase, a real-time database, in web apps using JavaScript. What You'll Learn Create content-based Ionic mobile apps Work with new Ionic 4 compnents like gesture, text, and keyboard controller Manage your apps with RxJS & Redux Who This Book Is For Front-end developers and mobile app developers

Rely on this robust and thorough guide to build and maintain successful test automation. As the software industry shifts from traditional waterfall paradigms into more agile ones, test automation becomes a highly important tool that allows your development teams to deliver software at an ever-increasing pace without compromising quality. Even though it may seem trivial to automate the repetitive tester's work, using test automation efficiently and properly is not trivial. Many test automation endeavors end up in the "graveyard" of software projects. There are many things that affect the value of test automation, and also its costs. This book aims to cover all of these aspects in great detail so you can make decisions to create the best test automation solution that will not only help your test automation project to succeed, but also allow the entire software project to thrive. One of the most important details that affects the success of the test automation is how easy it is to maintain the automated tests. Complete Guide to Test Automation provides a detailed hands-on guide for writing highly maintainable test code. What You'll Learn Know the real value to be expected from test automation Discover the key traits that will make your test automation project succeed Be aware of the different considerations to take into account when planning automated tests vs. manual tests Determine who should implement the tests and the implications of this decision Architect the test project and fit it to the architecture of the tested application Design and implement highly reliable

automated tests Begin gaining value from test automation earlier Integrate test automation into the business processes of the development team Leverage test automation to improve your organization's performance and quality, even without formal authority Understand how different types of automated tests will fit into your testing strategy, including unit testing, load and performance testing, visual testing, and more Who This Book Is For Those involved with software development such as test automation leads, QA managers, test automation developers, and development managers. Some parts of the book assume hands-on experience in writing code in an object-oriented language (mainly C# or Java), although most of the content is also relevant for nonprogrammers.

Understand how Power Apps Component Framework is used by professional developers to extend the capabilities of model-driven and canvas apps. Extending Microsoft Power Apps with Power Apps Component Framework is a comprehensive guide that will help you to learn how to build, debug, enrich, and deploy code components using a practical approach.

Explains how to design, create, and market a successful application across any mobile platform, including iPhone, iPad, Android, and BlackBerry.

Discover how graph databases can help you manage and query highly connected data. With this practical book, you'll learn how to design and implement a graph database that brings the power of graphs to bear on a broad range of problem domains. Whether you want to speed up your response to user queries or build a database that can adapt as your business evolves, this book shows you how to apply the schema-free graph model to real-world problems. Learn how different organizations are using graph databases to outperform their competitors. With this book's data modeling, query, and code examples, you'll quickly be able to implement your own solution. Model data with the Cypher query language and property graph model Learn best practices and common pitfalls when modeling with graphs Plan and implement a graph database solution in test-driven fashion Explore real-world examples to learn how and why organizations use a graph database Understand common patterns and components of graph database architecture Use analytical techniques and algorithms to mine graph database information

Microsoft Power Automate is a workflow automation solution included in Microsoft 365. This book explores the core concepts of workflow automation, such as working with connectors, triggers, and actions, along with their practical implementation in automating business tasks and simplifying digital processes to boost enterprise productivity.

Use Microsoft Flow in your business to improve productivity through automation with this step-by-step introductory text from a Microsoft Flow expert. You'll see the prerequisites to get started with this cloud-based service, including how to create a flow and how to use different connectors. Introducing Microsoft Flow takes you through connecting with SharePoint, creating approval flows, and using mobile apps. This vital information gives you a head-start when planning your

Microsoft Flow implementation. The second half of the book continues with managing connections and gateways, where you'll cover the configuration, creation, and deletion of connectors and how to connect to a data gateway. The final topic is Flow administration and techniques to manage the environment. After reading this book, you will be able to create and manage Flow from desktop, laptop, or mobile devices and connect with multiple services such as SharePoint, Twitter, Facebook, and other networking sites. What You Will Learn Create flows from built-in and blank templates Manage flows, connections, and gateways Create approvals, connect with multiple services, and use mobile apps Who This Book Is For Administrators and those who are interested in creating automated workflows using templates and connecting with multiple services without writing a single line of code.

Attention all SQL Pros, DAX is not just for writing Excel-based formulas! Get hands-on learning and expert advice on how to use the vast capabilities of the DAX language to solve common data modeling challenges. Beginning DAX with Power BI teaches key concepts such as mapping techniques from SQL to DAX, filtering, grouping, joining, pivoting, and using temporary tables, all aimed at the SQL professional. Join author Philip Seamark as he guides you on a journey through typical business data transformation scenarios and challenges, and teaches you, step-by-step, how to resolve challenges using DAX. Tips, tricks, and shortcuts are included and explained, along with examples of the SQL equivalent, in order to accelerate learning. Examples in the book range from beginner to advanced, with plenty of detailed explanation when walking through each scenario. What You'll Learn Turbocharge your Power BI model by adding advanced DAX programming techniques Know when to use calculated measures versus calculated columns Generate new tables on the fly from existing data Optimize, monitor, and tune Power BI to improve performance of your models Discover new ideas, tricks, and time-saving techniques for better models Who This Book Is For Business intelligence developers, business analysts, or any SQL user who wants to use Power BI as a reporting tool. A solid understanding of SQL is recommended, as examples throughout the book include the DAX equivalents to SQL problem/solution scenarios.

In this fully updated second edition, award-winning author Tim Leung explains how to build data-centric business applications for the desktop, cloud, web, and mobile devices in just a few clicks—with no code required—using Visual Studio Lightswitch 2015. This book explains the basics of Visual Studio Lightswitch 2015 plus new features and key advanced topics that every Microsoft developer needs to know to create modern data services and build clients that can run on multiple devices. Visual Studio LightSwitch 2015 is a rapid application deployment tool that simplifies and shortens the time needed to develop business applications. The basics are very easily understood but more advanced users will hunger for more. How do you design complex layouts? How do you query data using LINQ and other syntax structures? How do you secure your application against malicious use? Visual Studio LightSwitch 2015 answers these questions and more as author Tim Leung—winner of a Microsoft 2011 Community Contributor Award for his LightSwitch expertise—covers this breakthrough product in detail. For serious developers building, enhancing, and deploying advanced business applications using LightSwitch makes sense because they can benefit from the elegance, convenience, and cost savings afforded by rapid application development before going beyond the "click-and-you're-done" interface to include the extra value and depth of coding expertise that their clients value. What You Will Learn: Build Desktop and HTML5 business applications for PC or mobile devices Create compelling user interfaces that can support multiple languages Fine tune your application with C#, VB.NET, JQuery, JavaScript, and CSS code Integrate with mapping, GPS,

and location services Provide email notification, and Microsoft Office compatible data exports Enable users to carry out advanced searches on data Build screen controls that you can share with other developers

Become a self-sufficient citizen developer by learning the tools within the Microsoft Power Platform and how they can be used together to drive change and multiply your productivity. Learn about PowerApps for building applications, Microsoft Flow for automating business processes across those applications, and Power BI for analyzing results and communicating business intelligence through compelling visuals. By understanding the purpose and capabilities of these tools, you will be able to enhance your organization's visibility into key areas and make informed business decisions in a timely matter. This book is divided into four parts and begins in Part I by showing you how to build applications through PowerApps. You will learn about screens and controls, application sharing and administration, and how to make your applications accessible from mobile devices such as phones and tablets. Part II is about creating workflows using Microsoft Flow that implement business logic across your applications. Part III brings in dashboards and data analysis, showing you how to connect to a data source, cleanse the data from that source, and drive decision making through interactive reports and storytelling. Part IV brings together all the pieces by showing the integrations that are possible when all three tools are combined into a single solution. What You Will Learn Understand the need for the citizen developer in today's business environment Organize and plan the building of line-of-business applications with PowerApps solutions Replace wasteful paper processes with automated applications built in PowerApps Automate workflows across processes with Microsoft Flow Communicate analytical results through visualizations and storytelling Integrate PowerApps, Microsoft Flow, and Power BI into solutions that multiply productivity Who This Book Is For Power users and analysts with strong Excel skills who need a more comprehensive set of tools that can better help them accomplish their vision on projects, those familiar with one of the Power Platform tools who wish to learn how all three can fit together, and those who are seen as as "rogue IT" problem solvers who get things done when others have tried but failed

Take your Office 365 and SharePoint projects to a higher level by using PowerApps, Flow, Power BI, JavaScript/jQuery jQuery UI widgets, Cascading Style Sheets (CSS), and more. This book will help you create easier solutions to client-side problems and applications. Additionally, you will be able to effectively visualize your data with Power BI. This book starts with configuration of SharePoint and Office 365 followed by your first example of PowerApps. You will lay the foundation for a help ticket application and see how to update a SharePoint list with PowerApps. You then will work with the jQuery open source library and learn how to use the developer tools within your browser. This allows you to customize data displays in SharePoint. Next, you will add jQuery UI widgets such as buttons and dialogs to SharePoint, learning how to configure and manipulate them via JavaScript. You will use these new skills to convert a normal SharePoint announcement into a visually compelling page of network alerts. You also will use JavaScript and styles to hugely improve native SharePoint calendars by color-coding them by category or location. To prevent overlapping events in calendars, you will work with SharePoint's web services and JavaScript. You will use similar concepts to make appealing accordion SharePoint pages. You then will explore Microsoft Forms, Flow, and Power BI, including building surveys in both Forms and SharePoint and using Power BI to show results over the last week, month, quarter, and year. Using advanced Power BI you will see how to deal with JSON, XML, and Yes/No data. Next, you will look at how to display Office documents as well as interact with them via JavaScript. Switching back to PowerApps, you will build the final help ticketing system before using Power BI to see how to visualize the ticket information. After a quick detour on using iFrames in SharePoint, you will jump into building a power routing application using InfoPath and SharePoint Designer. You will even call

SharePoint's web services from Designer to customize email notifications. You end the InfoPath set of chapters with a highly useful application for signing up for and managing attendance for training and other classes. Finally, you will add Google Analytics to track SharePoint usage. What You Will Learn Build powerful applications with PowerApps Extend SharePoint's capabilities using JavaScript Create surveys with SharePoint and Microsoft Forms, copy the results to SharePoint using Flow, and visualize the data with Power BI Employ advanced Power BI techniques to include custom columns, pivoting, and dealing with JSON, XML, and Yes/No data Use InfoPath and SharePoint workflows to create routing systems, schedule classes, and other advanced tasks Who This Book Is For Business and application developers

This book provides precise descriptions and instructions which enable users, students and consultants to understand Microsoft Dynamics 365 for Finance and Operations rapidly. Microsoft offers Dynamics 365 as its premium ERP solution, supporting large and mid-sized organizations with a complete business management solution which is easy to use. Going through a simple but comprehensive case study, this book provides the required knowledge to handle all basic business processes in Microsoft Dynamics 365 for Finance and Operations. Exercises are there to train the processes and functionality, also making this book a good choice for self-study.

Do you need to learn how to use Microsoft Teams? Are you questioning how to drive user adoption, govern content, and manage access for your Teams deployment? Either way, Mastering Microsoft Teams is your one-stop-shop to learning everything you need to know to find success with Microsoft Teams. Microsoft's new chat-based collaboration software has many rich features that enable teams to be more efficient, and save valuable time and resources. However, as with all software, there is a learning curve and pitfalls that should be avoided. Begin by learning the core components and use cases for Teams. From there the authors guide you through ideas to create governance and adoption plans that make sense for your organization or customer. Wrap up with an understanding of features and services in progress, and a road map to the future of the product. What You'll Learn Implement, use, and manage Microsoft Teams Understand how Teams drives productivity and engagement by combining the functionality of Microsoft Groups, SharePoint, OneDrive, Outlook, and other services in one location Govern, explain, and use Teams in your organization Know the pitfalls to avoid that may create challenges in your usage of Teams Become familiar with the functionality and components of Teams via walkthroughs, including opportunities for automating business processes in Teams Who This Book Is For Anyone who wants to learn Microsoft Teams. To get the most out of the book, a basic understanding of Office 365 and a subscription, including a Microsoft Teams license, is useful.

Learn, develop, and design applications using the new features in Microsoft Dynamics CRM Key Features Implement business logic using processes, plugins, and client-side scripts with MS Dynamics 365 Develop custom CRM solutions to improve your business applications A comprehensive guide that covers the new features of Microsoft Dynamics 365 and increasingly advanced topics. Book Description Microsoft Dynamics 365 CRM is the most trusted name in enterprise-level customer relationship management. Thelatest version of Dynamics CRM comes with the important addition of exciting features guaranteed to make your life easier. It comes straight off the shelf with a whole new frontier of updated business rules, process enhancements, SDK methods, and other enhancements. This book will introduce you to the components of the new designer tools, such as SiteMap, App Module, and Visual Designer for Business Processes. Going deeper, this book teaches you how to develop custom SaaS applications leveraging the features of PowerApps available in Dynamics 365.Further, you will learn how to automate business processes using Microsoft Flow, and then we explore Web API, the most important platform update in Dynamics 365 CRM. Here, you'll also learn how to

implement Web API in custom applications. You will learn how to write an Azure-aware plugin to design and integrate cloud-aware solutions. The book concludes with configuring services using newly released features such as Editable grids, Data Export Service, LinkedIn Integration, Relationship Insights, and Live Assist. What you will learn Develop apps using the platform-agnostic Web API Leverage Azure Extensions to design cloud-aware applications Learn how to implement CRUD operation Create integrated real-world apps using Microsoft PowerApps and Flow by combining services such as Twitter, Facebook, and SharePoint Configure and use Artificial Intelligence Azure Cognitive Services for Recommendation and Text Analytic services Who this book is for This book targets skilled developers who are looking to build business-solution software and are new to application development in Microsoft Dynamics 365, especially for CRM.

Microsoft Power Apps Cookbook is a complete resource filled with meticulously crafted recipes to help you build customized business apps that meet ever-changing enterprise demands. You will learn how to design modern apps with the low-code approach in a rapid application development environment by achieving enterprise-wide business agility.

Now, one book can help you master mobile app development with both market-leading platforms: Apple's iOS and Google's Android. Perfect for both students and professionals, Learning Mobile App Development is the only tutorial with complete parallel coverage of both iOS and Android. With this guide, you can master either platform, or both--and gain a deeper understanding of the issues associated with developing mobile apps. You'll develop an actual working app on both iOS and Android, mastering the entire mobile app development lifecycle, from planning through licensing and distribution. Each tutorial in this book has been carefully designed to support readers with widely varying backgrounds and has been extensively tested in live developer training courses. If you're new to iOS, you'll also find an easy, practical introduction to Objective-C, Apple's native language.

Get more out of Microsoft Power BI turning your data into actionable insights About This Book From connecting to your data sources to developing and deploying immersive, mobile-ready dashboards and visualizations, this book covers it all Over 90 hands-on, technical recipes, tips, and use cases from across the Power BI platform including the Power BI Service and Mobile Applications Proven development techniques and guidance for implementing custom solutions with DAX and M languages Who This Book Is For This book is for BI professionals who wish to enhance their knowledge of Power BI beyond and to enhance the value of the Power BI solutions they deliver to business users. Those who are looking at quick solutions to common problems while using Power BI will also find this book to be a very useful resource .Some experience with Power BI will be useful. What You Will Learn Cleanse, stage, and integrate your data sources with Power BI Abstract data complexities and provide users with intuitive, self-service BI capabilities Build business logic and analysis into your solutions via the DAX programming language and dynamic, dashboard-ready calculations Take advantage of the analytics and predictive capabilities of Power BI Make your solutions more dynamic and user specific and/or defined including use cases of parameters, functions, and row level security Understand the differences and implications of DirectQuery, Live Connections, and Import-Mode Power BI datasets and how to deploy content to the Power BI Service and schedule refreshes Integrate other Microsoft data tools such as Excel and SQL Server Reporting Services into your Power BI solution In Detail Microsoft Power BI is a business intelligence and analytics platform

consisting of applications and services designed to provide coherent, visual and interactive insights of data. This book will provide thorough, technical examples of using all primary Power BI tools and features as well as demonstrate high impact end-to-end solutions that leverage and integrate these technologies and services. Get familiar with Power BI development tools and services, go deep into the data connectivity and transformation, modeling, visualization and analytical capabilities of Power BI, and see Power BI's functional programming languages of DAX and M come alive to deliver powerful solutions to address common, challenging scenarios in business intelligence. This book will excite and empower you to get more out of Power BI via detailed recipes, advanced design and development tips, and guidance on enhancing existing Power BI projects. Style and approach This book consists of practical recipes on Power BI that target novices as well as intermediate Power BI users. It goes deep into the technical issues, covers additional protocols, and many more real-live examples.

Learn to leverage the advanced capabilities of Keycloak, an open-source identity and access management solution, to enable authentication and authorization in applications Key Features Get up to speed with Keycloak, OAuth 2.0, and OpenID Connect using practical examples Configure, manage, and extend Keycloak for optimized security Leverage Keycloak features to secure different application types Book Description Implementing authentication and authorization for applications can be a daunting experience, often leaving them exposed to security vulnerabilities. Keycloak is an open-source solution for identity management and access management for modern applications. Keycloak - Identity and Access Management for Modern Applications is a comprehensive introduction to Keycloak, helping you get started with using it and securing your applications. Complete with hands-on tutorials, best practices, and self-assessment questions, this easy-to-follow guide will show you how to secure a sample application and then move on to securing different application types. As you progress, you will understand how to configure and manage Keycloak as well as how to leverage some of its more advanced capabilities. Finally, you'll gain insights into securely using Keycloak in production. By the end of this book, you will have learned how to install and manage Keycloak as well as how to secure new and existing applications. What you will learn Understand how to install, configure, and manage Keycloak Secure your new and existing applications with Keycloak Gain a basic understanding of OAuth 2.0 and OpenID Connect Understand how to configure Keycloak to make it ready for production use Discover how to leverage additional features and how to customize Keycloak to fit your needs Get to grips with securing Keycloak servers and protecting applications Who this book is for Developers, sysadmins, security engineers, or anyone who wants to leverage Keycloak and its capabilities for application security will find this book useful. Beginner-level knowledge of app development and authentication and authorization is expected.

Embrace modern solutions to enhance collaboration, teamwork, robotic process automation, and business intelligence in your organization using powerful Microsoft 365 services (formerly Office 365) Key Features Gain a complete overview of popular Microsoft 365 services using practical recipes and expert insights Collaborate with your team and external users effectively using SharePoint and Teams Create no-code and low-code solutions, such as bots, forms, dashboards, and workflows, using the Power platform Book Description Microsoft 365 in an integrated suite that provides intelligent

tools for managing everyday organizational tasks like content management, communication, creating reports, and automating business processes. With this book, you'll get to grips with popular apps from Microsoft, with a focus on enabling workspace collaboration and productivity using Microsoft SharePoint Online, Teams, and the Power Platform to name a few. In addition to guiding you through the implementation of Microsoft 365 apps, this practical guide helps you to learn from a Microsoft consultant's extensive experience of working with the Microsoft business suite. Starting with a quick overview of the M365 ecosystem, the book covers recipes for implementing SharePoint Online for various content management tasks. You'll learn how to create sites for your organization and enhance collaboration across the business and then see how you can boost productivity with apps such as Microsoft Teams, Power Platform, Planner, Delve, and M365 Groups. Using a step-by-step approach, you'll also find out how to use the Power Platform efficiently, making the most of Microsoft PowerApps, Power Automate, PowerBI, and Power Virtual Agents. Finally, the book focuses on the SharePoint framework, which helps you to build custom Teams and SharePoint solutions. By the end of the book, you'll be equipped with the skills required to set up Microsoft 365 and SharePoint Online and be ready to enhance business productivity using a variety of tools. What you will learn Get to grips with a wide range of apps and cloud services in Microsoft 365 Discover ways to use SharePoint Online to create and manage content Store and share documents using SharePoint Online Improve your search experience with Microsoft Search Leverage the Power Platform to build business solutions with Power Automate, Power Apps, Power BI, and Power Virtual Agents Enhance native capabilities in SharePoint and Teams using the SPFx framework Use Microsoft Teams to meet, chat, and collaborate with colleagues or external users Who this book is for This book is for business professionals, IT administrators, enterprise developers and architects, and anyone who wants to get to grips with using M365 for effective implementation of Microsoft apps. Prior experience with Office 365 and SharePoint will assist with understanding the recipes effortlessly.

The smart way to learn how to build InfoPath forms for SharePoint—one step at a time! Quickly teach yourself how to use Microsoft InfoPath 2010 to create electronic business forms for Microsoft SharePoint 2010. With Step by Step, you set the pace—building and practicing the skills you need, just when you need them! Design and build InfoPath forms without writing code Add approval workflows to your InfoPath forms Integrate data from SharePoint and other company systems Create forms that offer a rich experience in the browser Build views and dashboards to display form information Create and use forms in the cloud with SharePoint Online

A step-by-step guide that will help you create, share, and deploy applications across your organization using MS PowerApps Key Features Create apps with rich user experiences without paying for costly developers Improve productivity with business process automation using Microsoft Power Automate Build enterprise-grade apps with MS PowerApps' built-in storage space, Common Data Service Book Description Microsoft PowerApps provides a modern approach to building business applications for mobile, tablet, and browser. Learn Microsoft PowerApps will guide you in creating powerful and productive apps that will add value to your organization by helping you transform old and inefficient processes and workflows. Starting with an introduction to PowerApps, this book will help you set up and configure your first application. You'll

explore a variety of built-in templates and understand the key difference between types of applications such as canvas and model-driven apps, which are used to create apps for specific business scenarios. In addition to this, you'll learn how to generate and integrate apps directly with SharePoint, and gain an understanding of PowerApps key components such as connectors and formulas. As you advance, you'll be able to use various controls and data sources, including technologies such as GPS, and combine them to create an iterative app. Finally, the book will help you understand how PowerApps can use several Microsoft Power Automate and Azure functionalities to improve your applications. By the end of this PowerApps book, you'll be ready to confidently develop lightweight business applications with minimal code. What you will learn Design an app by simply dragging and dropping elements onto your canvas Understand how to store images within PowerApps Explore the use of GPS and how you can use GPS data in PowerApps Get to grips with using barcodes and QR codes in your apps Share your applications with the help of Microsoft Teams and SharePoint Use connectors to share data between your app and Microsoft's app ecosystem Who this book is for This book is ideal for business analysts, IT professionals, and both developers and non-developers alike. If you want to meet business needs by creating high productivity apps, this book is for you. Don't worry if you have no experience or knowledge of PowerApps, this book simplifies PowerApps for beginners.
Build mobile apps that specifically target your company's unique business needs, with the same ease of writing a simple spreadsheet! With this book, you will build business apps designed to work with your company's systems and databases, without having to enlist the expertise of costly, professionally trained software developers. In Beginning PowerApps, author and business applications expert Tim Leung guides you step-by-step through the process of building your own mobile app. He assumes no technical background, although if you have worked with Excel, you are one step closer. He guides you through scenarios, such as what to do if you have existing databases with complex data structures and how to write screens that can connect to those data. You will come away with an understanding of how to set up screen navigation, manipulate data from within apps, and write solutions to perform specific tasks. What You'll Learn Connect with data Write formulas Visualize your data through charts Work with global positioning systems (GPS) Build flows Import and export data Manage offline scenarios Develop custom application programming interfaces (API) Who This Book Is For Beginners and non-developers, and assumes no prior knowledge of PowerApps Transform the way your business works with easy-to-build apps. With this updated and expanded second edition, you can build business apps that work with your company's systems and databases, without having to enlist the expertise of costly, professionally trained software developers. In this new edition, business applications expert Tim Leung offers step-by-step guidance on how you can improve all areas of your business. He shows how you can replace manual or paper processes with modern apps that run on phone or tablet devices. For administrative and back-office operations, he covers how to build apps with workflow and dashboard capabilities. To facilitate collaboration with customers and clients, you'll learn how to build secure web portals with data entry capabilities, including how to customize those portals with code. This hands-on new edition has 10 new chapters—including coverage on model-driven and portal apps, artificial intelligence, building components using the Power Apps Component

Framework, using PowerShell for administration, and more—complete with context, explanatory screenshots, and non-technical terminology. What You Will Learn Create offline capable mobile apps and responsive web apps Carry out logic, data access, and data entry through formulas Embellish apps with charting, file handling, photo, barcode, and location features Set up Common Data Service, SharePoint, and SQL data sources Use AI to predict outcomes, recognize images, and analyze sentiment Integrate apps with external web services and automate tasks with Power Automate Build reusable code and canvas components, make customizations with JavaScript Transfer apps and data, and secure, administer, and monitor Power Apps environments Who This Book Is For Beginners and non-developers, and assumes no prior knowledge of Power Apps How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the cloud offers to gain strategic and competitive advantage.

The dramatic events of 2020 have clarified the urgent need for digital transformation in countless organizations. The rise of remote work and the rapidly increasing use of cloud technologies are just two drivers of the relentless pace of digital disruption. Despite this, many companies remain underequipped or hesitant to embrace digital transformation. Understanding the key drivers of change and leveraging the powerful capabilities from technologies with a collaborative platform can aid an organization to prepare for digital transformation. Building a Digital Future provides a clearly defined roadmap for executing this change with Microsoft Dynamics 365. Firms of all types and sizes will learn how Microsoft Dynamics 365 can help them: achieve competitive advantages for their business reduce the time needed to effect change by automating time-consuming tasks drive innovation and improvements through an evergreen system post implementation Each chapter of this book is curated with best practices, compelling customer examples, pitfalls to avoid, and salient points to remember. Building a Digital Future enables organizations to truly embrace the benefits of digital transformation by anchoring Microsoft Dynamics 365 at the core of their business. Perfect for any business leader looking for a one-stop and comprehensive playbook for transforming their business into a digital powerhouse with Dynamics 365.

Selecting the right architecture enables organizations to deliver a successful business solution that can boost customer engagement and growth. With this comprehensive guide, you'll learn architectural best practices and methodologies for implementing an enterprise-grade solution tailored for your business needs using Microsoft Power Platform

Architect and deploy a Power BI solution. This book will help you understand the many available options and choose the best combination for hosting, developing, sharing, and deploying a Power BI solution within your organization. Pro Power BI Architecture provides detailed examples and explains the different methods available for sharing and securing Power BI content so that only intended recipients can see it. Commonly encountered problems you will learn to handle include content unexpectedly changing

while users are in the process of creating reports and building analysis, methods of sharing analyses that don't cover all the requirements of your business or organization, and inconsistent security models. The knowledge provided in this book will allow you to choose an architecture and deployment model that suits the needs of your organization, ensuring that you do not spend your time maintaining your solution but on using it for its intended purpose and gaining business value from mining and analyzing your organization's data. What You'll Learn Architect and administer enterprise-level Power BI solutions Choose the right sharing method for your Power BI solution Create and manage environments for development, testing, and production Implement row level security in multiple ways to secure your data Save money by choosing the right licensing plan Select a suitable connection type—Live Connection, DirectQuery, or Scheduled Refresh—for your use case Set up a Power BI gateway to bridge between on-premises data sources and the Power BI cloud service Who This Book Is For Data analysts, developers, architects, and managers who want to leverage Power BI for their reporting solution

Making Out in Japanese is a fun, accessible and thorough Japanese phrase book and guide to the Japanese language as it's really spoken. Sugoku suki! Mata aeru?—(I'm crazy about you! Shall we meet again?) Answer this correctly in Japanese, and you may be going on a hot date. Incorrectly, and you could be hurting someone's feelings or getting a slap! Japanese classes and textbooks tend to spend a lot of time rehearsing for the same fictitious scenarios, but chances are while in Japan you will spend a lot more time trying to make new friends or start new romances—something you may not be prepared for. If you are a student, businessman or tourist traveling to Japan and would like to have an authentic and meaningful experience, the key is being able to speak like a local. This friendly and easy-to-use Japanese phrasebook makes this possible. Making Out in Japanese has been updated and expanded to be even more helpful as a guide to modern colloquial Japanese for use in everyday informal interactions—giving access to the sort of catchy Japanese expressions that aren't covered in traditional language materials. As well as the Romanized forms (romanji), each expression is now given in authentic Japanese script (kanji and kana with furigana pronunciation clues), so that in the case of difficulties the book can be shown to the person the user is trying to communicate with. This Japanese phrasebook includes: A guide to pronouncing Japanese words correctly. Explanations of basic Japanese grammar, such as intonation, word stress, and particles. A guide to male and female usage. Romanized forms of words and phrases (romanji). Complete Japanese translations including Japanese characters (kanji) and the Japanese alphabet (kana). Useful and interesting notes on Japanese language and culture. Lots of colorful, fun and useful expressions not covered in other phrasebooks. Titles in this unique series of bestselling phrase books include: Making Out in Chinese, Making Out in Indonesian, Making Out in Thai, Making Out in Korean, Making Out in Hindi, Making Out in Japanese, Making Out in Vietnamese, Making Out in Burmese, Making Out in Tagalog, Making Out in Hindi, Making Out in Arabic, Making Out in English, More Making Out in Korean, and More Making Out in Japanese.

This groundbreaking book provides you with the skills and resources necessary to build web applications for Twitter. Perfect for new and casual programmers intrigued by the world of microblogging, Twitter API: Up and Running carefully explains how each part

of Twitter's API works, with detailed examples that show you how to assemble those building blocks into practical and fun web applications. You'll also get a complete look at Twitter culture and learn how it has inspired programmers to build hundreds of tools and applications. With this book, you will: Explore every component of a Twitter application and learn how the API responds Get the PHP and MySQL code necessary to build your own applications, with explanations of how these ingredients work Learn from real-world Twitter applications created just for this book Discover the most interesting and useful Twitter programs--and get ideas for creating your own--with the book's Twitter application directory Twitter offers a new way to connect with people on the Internet, and Twitter API: Up and Running takes you right to the heart of this technology. "Twitter API: Up and Running is a friendly, accessible introduction to the Twitter API. Even beginning web developers can have a working Twitter project before they know it. Sit down with this for a weekend and you're on your way to Twitter API mastery."--Alex Payne, Twitter API Lead "Twitter API: Up and Running is a very comprehensive and useful resource--any developer will feel the urge to code a Twitter-related application right after finishing the book!"--The Lollicode team, creators of Twitscoop

Mastering Microsoft Dynamics 365 Business Central is a comprehensive solution which will help you in managing end-to-end business requirements with its features to connect to your financials, sales, service, and operations to streamline business processes. This book will help you in advancing with developing the solutions for your customers ... Start making the most of the latest collaboration tools in Office 365—including SharePoint, OneDrive, Office 365 Groups, Office, Teams, Yammer, Planner, Stream, Forms, and Flow—and integrate them into your team's projects to boost productivity, engagement, innovation, and enjoyment at work. This book walks you through the features, teaching you how to choose the right tools for your situation. While technologies for collaboration are more advanced than ever before, there also are more of them. Beginning Office 365 Collaboration Apps will help you make sense of what is available and how it can help you and your team be more productive. What You'll Learn Know the collaboration features available across Office 365, and how to choose the ones that are right for you and your colleagues in any given situation Understand the software-as-a-service (SaaS) model and how it enables users to be more productive and effective Discover how multi-device usability and real-time cloud synchronization can help your team collaborate any time, anywhere, across the apps Find out how Planner can help you manage projects and tasks, even without a project manager Explore Microsoft Flow to connect applications and services and create code-less workflows Who This Book is For Office 365 business users with a limited technical background. You should be familiar with the Microsoft Office suite products such as Word and Outlook, and work in a team environment.

More than 80 recipes to help you leverage the various extensibility features available for Microsoft Dynamics and solve problems easily About This Book Customize, configure, and extend the vanilla features of Dynamics 365 to deliver bespoke CRM solutions fit for any organization Implement business logic using point-and-click configuration, plugins, and client-side scripts with MS Dynamics 365 Built a DevOps pipeline as well as Integrate Dynamics 365 with Azure and other platforms Who This Book Is For This book is for developers, administrators, consultants, and power users who want to learn about best practices when extending Dynamics 365 for enterprises. You are expected to have a basic understand of the

Dynamics CRM/365 platform. What You Will Learn Customize, configure, and extend Microsoft Dynamics 365 Create business process automation Develop client-side extensions to add features to the Dynamics 365 user interface Set up a security model to securely manage data with Dynamics 365 Develop and deploy clean code plugins to implement a wide range of custom behaviors Use third-party applications, tools, and patterns to integrate Dynamics 365 with other platforms Integrate with Azure, Java, SSIS, PowerBI, and Octopus Deploy Build an end-to-end DevOps pipeline for Dynamics 365 In Detail Microsoft Dynamics 365 is a powerful tool. It has many unique features that empower organisations to bridge common business challenges and technology pitfalls that would usually hinder the adoption of a CRM solution. This book sets out to enable you to harness the power of Dynamics 365 and cater to your unique circumstances. We start this book with a no-code configuration chapter and explain the schema, fields, and forms modeling techniques. We then move on to server-side and client-side custom code extensions. Next, you will see how best to integrate Dynamics 365 in a DevOps pipeline to package and deploy your extensions to the various SDLC environments. This book also covers modern libraries and integration patterns that can be used with Dynamics 365 (Angular, 3 tiers, and many others). Finally, we end by highlighting some of the powerful extensions available. Throughout we explain a range of design patterns and techniques that can be used to enhance your code quality; the aim is that you will learn to write enterprise-scale quality code. Style and approach This book takes a recipe-based approach, delivering practical examples and use cases so that you can identify the best possible approach to extend your Dynamics 365 deployment and tackle your specific business problems.

The go-to guide to completing a thorough, well-organized, and effective lit review! This new edition of the best-selling book offers graduate students in education and the social sciences a road map to developing and writing an effective literature review for a research project, thesis, or dissertation. Updated with key vocabulary words, technology advice, and tips for writing during the early stages, the second edition takes students step by step through the entire process: Selecting a topic Searching the literature Developing arguments Surveying the literature Critiquing the literature Writing the literature review

Citizen development allows anyone to build applications without software expertise, significantly faster, and at a fraction of the cost. Unlock the value within your organization. Learn the tools and techniques needed to introduce and scale citizen development. This book brings together the latest thinking on citizen development from industry thought leaders, no-code/low-code vendors, transformation experts, and executives who oversee large technology investments. It guides organizations to deliver citizen development projects, design better apps, scale the operating model, align key stakeholders, and nurture and grow citizen development.

Design and create beautiful solutions using modern development tools for SharePoint Online About This Book Get the best out of the latest Sharepoint Framework and leverage the Sharepoint RESTful and JSOM APIs. Develop efficient client side applications with JavaScript injection and Sharepoint Addins. Get the best tips and tricks on designing your website flawlessly. Who This Book Is For This book targets current SharePoint developers, as well as people starting their journey on SharePoint development. The reader must have basic web development programming knowledge, including JavaScript and CSS. The reader should have familiarity using and managing SharePoint-based collaboration sites. What You Will Learn Understand what the SharePoint Framework is Create modern solutions using the new tools, approaches and frameworks Learn how to use Visual Studio Code for effective SharePoint development Package and deploy your code, using automation as needed Work with content and data stored in SharePoint Benefit from third party frameworks without having to build your own frameworks Debug and troubleshoot your code with ease Configure security in your

application In Detail SharePoint is one of Microsoft's best known web platforms. A loyal audience of developers, IT Pros and power users use it to build line of business solutions. The SharePoint Framework (SPFx) is a great new option for developing SharePoint solutions. Many developers are creating full-trust based solutions or add-in solutions, while also figuring out where and how SPFx fits in the big picture. This book shows you how design, build, deploy and manage SPFx based solutions for SharePoint Online and SharePoint 2016. The book starts by getting you familiar with the basic capabilities of SPFx. After that, we will walk through the tool-chain on how to best create production-ready solutions that can be easily deployed manually or fully automated throughout your target Office 365 tenants. We describe how to configure and use Visual Studio Code, the de facto development environment for SPFx-based solutions. Next, we provide guidance and a solid approach to packaging and deploying your code. We also present a straightforward approach to troubleshooting and debugging your code an environment where business applications run on the client side instead of the server side. Style and approach The approach will be that of a practical tutorial which will take you through every topic using code samples and working examples.

As businesses look to modernize their line of business applications Microsoft Power Platform is the tool of choice to accelerate and implement digital transformation. Microsoft Power Platform is made up of Power Apps, Power Automate and Power BI. The Common Data Service (CDS) is a key component of the Power Platform and provides for data storage and related business logic execution. CDS implements Microsoft's Common Data Model (CDM) allowing it to be part of the data fabric in an organization with a common way of describing core business data. In this book, we are focused on using the Common Data Service to build business applications. Specifically, we will look at the capabilities required to build data models for real world business applications. These applications can be built by power users (e.g. Joe or Sue from accounting) or by professional app makers whose job is focused on building Power Platform solutions.

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