

## Sfdc Apex Developer Guide

Learning Salesforce EinsteinForce.com Tips and TricksMoving To The  
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Without CodeLearning Force.com Application DevelopmentSalesforce Platform App  
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### **Learning Salesforce Einstein**

Knowledge for Free Get that job, you aspire for! Want to switch to that high paying job? Or are you already been preparing hard to give interview the next weekend? Do you know how many people get rejected in interviews by preparing only concepts but not focusing on actually which questions will be asked in the interview? Don't be that person this time. This is the most comprehensive Salesforce interview questions book that you can ever find out. It contains: 1000 most frequently asked and important Salesforce interview questions and answers Wide range of questions which cover not only basics in Salesforce but also most advanced and complex questions which will help freshers, experienced professionals, senior developers, testers to crack their interviews.

### **Force.com Tips and Tricks**

Harness the power of Apex design patterns to build robust and scalable code architectures on the Force.com platform About This Book Apply Creational, Structural and behavioural patterns in Apex to fix governor limit issues. Have a grasp of the anti patterns to be taken care in Apex which could have adverse effect on the application. The authors, Jitendra Zaa is a salesforce MVP and Anshul Verma

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has 12+ years of experience in the area of application development. Who This Book Is For If you are a competent developer with working knowledge of Apex, and now want to deep dive into the world of Apex design patterns to optimize the application performance, then this book is for you. Prior knowledge of Salesforce and Force.com platform is recommended. What You Will Learn Apply OOPs principal in Apex to design a robust and efficient solution to address various facets to a business problem Get to grips with the benefits and applicability of using different design patterns in Apex Solve problems while instantiating, structuring and giving dynamic behavior to Apex classes Understand the implementation of creational, structural, behavioral, concurrency and anti-patterns in your application Follow the Apex best practices to resolve governor limit issues Get clued up about the Inheritance, abstract classes, polymorphism in Apex to deal with the object mechanism Master various design patterns and determine the best out of them Explore the anti patterns that could not be applied to Apex and their appropriate solutions In Detail Apex is an on-demand programming language providing a complete set of features for building business applications - including data models and objects to manage data. Apex being a propriotor programming language from Salesforce to be worked with multi tenant environment is a lot different than traditional OOPs languages like Java and C#. It acts as a workflow engine for managing collaboration of the data between users, a user interface model to handle forms and other interactions, and a SOAP API for programmatic access and integration. Apex Design Patterns gives you an insight to several problematic

situations that can arise while developing on Force.com platform and the usage of Design patterns to solve them. Packed with real life examples, it gives you a walkthrough from learning design patterns that Apex can offer us, to implementing the appropriate ones in your own application. Furthermore, we learn about the creational patterns that deal with object creation mechanism and structural patterns that helps to identify the relationship between entities. Also, the behavioural and concurrency patterns are put forward explaining the communication between objects and multi-threaded programming paradigm respectively. We later on, deal with the issues regarding structuring of classes, instantiating or how to give a dynamic behaviour at a runtime, with the help of anti-patterns. We learn the basic OOPs principal in polymorphic and modular way to enhance its capability. Also, best practices of writing Apex code are explained to differentiate between the implementation of appropriate patterns. This book will also explain some unique patterns that could be applied to get around governor limits. By the end of this book, you will be a maestro in developing your applications on Force.com for Salesforce Style and approach This book is a step-by-step guide, complete with well-tested programs and real world situations to solve your common occurring problems in Apex design by using the anti-patterns. It gets crackling from exploring every appropriate solution to comparing the best one as per OOps principal.

### **Moving To The Cloud**

If you're a Salesforce developer, Mastering Apex Programming will help you to get to grips with the Apex language, its advanced features, and best practices for building robust cloud-based applications that scale. Explore asynchronous programming, debugging and performance, and much more to master the Apex language.

### **Advanced Apex Programming in Salesforce**

Build, design, and style beautiful and informative applications on the Salesforce Lightning platform Key Features Build and Test Lightning Components that enhance application usability and adaptability Apply Security Best Practices to your Custom Lightning Components Design Lightning Components for Salesforce UIs such as Lightning Pages, Salesforce 1 Application, Communities, and more. Book Description Built on the Salesforce App Cloud, the new Salesforce Lightning Experience combines three major components: Lightning Design System, Lightning App Builder, and Lightning Components, to provide an enhanced user experience. This book will enable you to quickly create modern, enterprise apps with Lightning Component Framework. You will start by building simple Lightning Components and understanding the Lightning Components architecture. The chapters cover the basics of Lightning Component Framework semantics and syntax, the security features provided by Locker Service, and use of third-party libraries inside

Lightning Components. The later chapters focus on debugging, performance tuning, testing using Lightning Testing Services, and how to publish Lightning Components on Salesforce AppExchange. What you will learn Understand Lightning Components architecture Learn Locker security best practices Debug and Improve performance of your Lightning Components Use third-party libraries along with Lightning Component Framework Learn how to publish Lightning Components on AppExchange Use Lightning Out to take your Lightning Components outside the Salesforce platform Who this book is for This book is for Salesforce developers or developers from other platforms who are familiar with HTML, CSS, and JavaScript and want to build and test Salesforce Lightning components. No knowledge of Salesforce Lightning is required.

### **Practical Salesforce Development Without Code**

Learn about the Advanced Administration Certification Examination and build a successful career in Salesforce administration About This Book Build your skills and knowledge to crack the Advanced Admin Certification Examination Leverage the advanced administration capabilities of Salesforce and Salesforce1 Optimize and extend Sales Cloud and Service Cloud applications Who This Book Is For This book is written for Salesforce admins who are looking to gain an in-depth knowledge of the Salesforce platform and grow their value in their organization. It will teach them to implement and design advanced business process automation for the

benefit of their organization. What You Will Learn Adopt Lightning Experience to improve the productivity of your organization's sales team Create and maintain service entitlements and entitlement processes Process Builder basic and advanced concepts Different ways to deploy applications between environments Best practices for improving and enriching data quality In Detail The book starts by refreshing your knowledge of common admin tasks. You will go over Lightning Experience and various security aspects. You will be shown how to implement territory management in your organization and make use of custom objects. From here, the book progresses to advanced configuration, data management, and data analytics before swiftly moving on to setting up advanced organization-wide features that affect the look and feel of the application. Extend the capabilities of your organization's Salesforce implementation by optimizing and extending Sales Cloud, Salesforce1, and Service Cloud applications. This guide will equip you with the tools you need to build a successful career in Salesforce. Style and approach The book takes a straightforward, no-nonsense approach to working with the Salesforce CRM platform. It is filled with examples, advanced use cases, and all the resources you need to be a Salesforce Jedi.

### **Learning Force.com Application Development**

Advanced Apex Programming focuses entirely on the Apex language and core design patterns. You'll learn how to truly think in Apex - to embrace limits and bulk

patterns. You'll see how to develop architectures for efficient and reliable trigger handling, and for asynchronous operations. You'll discover that best practices differ radically depending on whether you are building software for a specific organization or for a managed package. And you'll find approaches for incorporating testing and diagnostic code that can dramatically improve the reliability and deployment of Apex software, and reduce your lifecycle and support costs. Based on his experience as a consultant, Salesforce MVP, and architect of major AppExchange packages, Dan Appleman focuses on the real-world problems and issues that are faced by Apex developers every day, along with the obscure problems and surprises that can sneak up on you if you are unprepared.

### **Salesforce Platform App Builder Certification**

A practical guide which will help to discover how to setup and configure the Salesforce CRM application. It offers solutions and practical examples on how to further improve and maintain its functionality with clear systematic instructions. Being highly organized and compact, this book contains detailed instructions with screenshots, diagrams, and tips that clearly describe how you can administer and configure complex Salesforce CRM functionality with absolute ease. This book is for administrators who want to develop and strengthen their Salesforce CRM skills in the areas of configuration and system management. Whether you are a novice or a more experienced admin, this book aims to enhance your knowledge and

understanding of the Salesforce CRM platform and by the end of the book, you should be ready to administer Salesforce CRM in a real-world environment.

### **Learning Apex Programming**

If you are a developer who has some object-oriented programming experience, Learning Apex Programming is the perfect book for you. This book is most appropriate for developers who wish to gain an understanding of the Force.com platform and how to use Apex to create business applications.

### **Getting Started with SOQL**

The non-technical guide to building a booming tech-enabled business Thinking of starting a technology-enabled business? Or maybe you just want to increase your technology mojo so you can do your job better? You do not need to learn programming to participate in the development of today's hottest technologies. But there are a few easy-to-grasp foundation concepts that will help you engage with a technical team. Starting a Tech Business explains in practical, actionable terms how to formulate and reality test new ideas package what you learn into frameworks that are highly actionable for engineers understand key foundation concepts about modern software and systems participate in an agile/lean

development team as the 'voice of the customer' Even if you have a desire to learn to program (and I highly recommend doing whatever unlocks your 'inner tinkerer'), these foundation concepts will help you target what exactly you want to understand about hands-on technology development. While a decade ago the barriers to creating a technology-enabled business required a pole vault, getting started today only requires a determined step in the right direction. Starting a Tech Business supplies the tools prospective entrepreneurs and business enterprises need to avoid common pitfalls and succeed in the fast-paced world of high-tech business. Successful execution requires thoughtful, evidence-based product formulation, well-articulated design, economic use of systems, adaptive management of technical resources, and empathetic deployment to customers. Starting a Tech Business offers practical checklists and frameworks that business owners, entrepreneurs, and professionals can apply to any tech-based business idea, whether you're developing software and products or beginning a technology-enabled business. You'll learn: 1. How to apply today's leading management frameworks to a tech business 2. How to package your product idea in a way that's highly actionable for your technical team 3. How to ask the right questions about technology selection and product architecture 4. Strategies to leverage what your technology ecosystem has to offer 5. How to carefully define the roles on your team, and then effectively evaluate candidates 6. The most common disconnects between engineers and business people and how to avoid them 7. How you can apply process design to your tech business without stifling creativity 8. The steps

to avoid the most common pitfalls tech founders encounter Now is one of the best times to start a technology-enabled business, and anyone can do it with the right amount and kind of preparation. Starting a Tech Business shows you how to move a product idea to market quickly and inexpensively—and to tap into the stream of wealth that a tech business can provide.

### **Apex Design Patterns**

Migrate your data to Salesforce and build low-maintenance and high-performing data integrations to get the most out of Salesforce and make it a "go-to" place for all your organization's customer information. When companies choose to roll out Salesforce, users expect it to be the place to find any and all Information related to a customer—the coveted Client 360° view. On the day you go live, users expect to see all their accounts, contacts, and historical data in the system. They also expect that data entered in other systems will be exposed in Salesforce automatically and in a timely manner. This book shows you how to migrate all your legacy data to Salesforce and then design integrations to your organization's mission-critical systems. As the Salesforce platform grows more powerful, it also grows in complexity. Whether you are migrating data to Salesforce, or integrating with Salesforce, it is important to understand how these complexities need to be reflected in your design. Developing Data Migrations and Integrations with Salesforce covers everything you need to know to migrate your data to Salesforce

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the right way, and how to design low-maintenance, high-performing data integrations with Salesforce. This book is written by a practicing Salesforce integration architect with dozens of Salesforce projects under his belt. The patterns and practices covered in this book are the results of the lessons learned during those projects. What You'll Learn Know how Salesforce's data engine is architected and why Use the Salesforce Data APIs to load and extract data Plan and execute your data migration to Salesforce Design low-maintenance, high-performing data integrations with Salesforce Understand common data integration patterns and the pros and cons of each Know real-time integration options for Salesforce Be aware of common pitfalls Build reusable transformation code covering commonly needed Salesforce transformation patterns Who This Book Is For Those tasked with migrating data to Salesforce or building ongoing data integrations with Salesforce, regardless of the ETL tool or middleware chosen; project sponsors or managers nervous about data tracks putting their projects at risk; aspiring Salesforce integration and/or migration specialists; Salesforce developers or architects looking to expand their skills and take on new challenges

## **Salesforce Platform Developer I Certification Guide**

Incorporate the power of Einstein in your Salesforce application About This Book Make better predictions of your business processes using prediction and predictive modeling Build your own custom models by leveraging PredictionIO on the Heroku

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platform Integrate Einstein into various cloud services to predict sales, marketing leads, insights into news feeds, and more Who This Book Is For This book is for developers, data scientists, and Salesforce-experienced consultants who want to explore Salesforce Einstein and its current offerings. It assumes some prior experience with the Salesforce platform. What You Will Learn Get introduced to AI and its role in CRM and cloud applications Understand how Einstein works for the sales, service, marketing, community, and commerce clouds Gain a deep understanding of how to use Einstein for the analytics cloud Build predictive apps on Heroku using PredictionIO, and work with Einstein Predictive Vision Services Incorporate Einstein in the IoT cloud Test the accuracy of Einstein through Salesforce reporting and Wave analytics In Detail Dreamforce 16 brought forth the latest addition to the Salesforce platform: an AI tool named Einstein. Einstein promises to provide users of all Salesforce applications with a powerful platform to help them gain deep insights into the data they work on. This book will introduce you to Einstein and help you integrate it into your respective business applications based on the Salesforce platform. We start off with an introduction to AI, then move on to look at how AI can make your CRM and apps smarter. Next, we discuss various out-of-the-box components added to sales, service, marketing, and community clouds from salesforce to add Artificial Intelligence capabilities. Further on, we teach you how to use Heroku, PredictionIO, and the force.com platform, along with Einstein, to build smarter apps. The core chapters focus on developer content and introduce PredictionIO and Salesforce Einstein Vision Services. We

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explore Einstein Predictive Vision Services, along with analytics cloud, the Einstein Data Discovery product, and IOT core concepts. Throughout the book, we also focus on how Einstein can be integrated into CRM and various clouds such as sales, services, marketing, and communities. By the end of the book, you will be able to embrace and leverage the power of Einstein, incorporating its functions to gain more knowledge. Salesforce developers will be introduced to the world of AI, while data scientists will gain insights into Salesforce's various cloud offerings and how they can use Einstein's capabilities and enhance applications. Style and approach This book takes a straightforward approach to explain Salesforce Einstein and all of its potential applications. Filled with examples, the book presents the facts along with seasoned advice and real-world use cases to ensure you have all the resources you need to incorporate the power of Einstein in your work.

### **1000 Important Salesforce (SFDC) Interview Questions and Answers - Free Book**

Implement DevOps for Salesforce and explore its features Key Features Learn DevOps principles and techniques for enterprise operations in Salesforce Implement Continuous Integration and Continuous Delivery using tools such as Jenkins and Ant script Use the Force.com Migration Tool and Git to achieve versioning in Salesforce Book Description Salesforce is one of the top CRM tools

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used these days, and with its immense functionalities and features, it eases the functioning of an enterprise in various areas of sales, marketing, and finance, among others. Deploying Salesforce applications is a tricky event, and it can get quite taxing for admins and consultants. This book addresses all the problems that you might encounter while trying to deploy your applications and shows you how to resort to DevOps to take these challenges head on. Beginning with an overview of the development and delivery process of a Salesforce app, DevOps for Salesforce covers various types of sandboxing and helps you understand when to choose which type. You will then see how different it is to deploy with Salesforce as compared to deploying with another app. You will learn how to leverage a migration tool and automate deployment using the latest and most popular tools in the ecosystem. This book explores topics such as version control and DevOps techniques such as Continuous Integration, Continuous Delivery, and testing. Finally, the book will conclude by showing you how to track bugs in your application changes using monitoring tools and how to quantify your productivity and ROI. By the end of the book, you will have acquired skills to create, test, and effectively deploy your applications by leveraging the features of DevOps. What you will learn

- Implement DevOps for Salesforce and understand the benefits it offers
- Abstract the features of Force.com MigrationTool to migrate and retrieve metadata
- Develop your own CI/CD Pipeline for Salesforce project
- Use Qualitia to perform scriptless automation for Continuous Testing
- Track application changes using Bugzilla
- Apply Salesforce best practices to implement DevOps

Who this book

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is for If you are a Salesforce developer, consultant, or manager who wants to learn DevOps tools and set up pipelines for small as well as large Salesforce projects, this book is for you.

### **Salesforce Lightning Platform Enterprise Architecture**

This is a practical tutorial-based guide on using the new SOQL language, aimed at Force.com developers. Each topic is discussed with the help of standard SOQL queries. If you are a Salesforce.com developer or administrator, this book will help you to avoid hitting limits set by Salesforce.com. For those of you who are preparing for advanced developer Salesforce.com certification, this book will also be particularly useful.

### **Subscribed**

Architect and deliver packaged Force.com applications that cater to enterprise business needs About This Book Explore the lightning framework, advanced application life cycle processes, and testing Use the Force.com platform to build truly integrated, scalable, and robustly engineered applications focused on enterprise-level customer demands Using the Lightning technology to deliver modern and responsive user experiences targeting multiple devices through

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Lightning Experience and Salesforce1 Mobile. Step-by-step, work on examples to get you building your own ready-to-install packaged application Who This Book Is For This book is for advanced Force.com developers and architects who need to understand the Salesforce platform from the perspective of enterprise-level requirements. A prior understanding of Apex and Visualforce is a must. Those familiar with other enterprise software ecosystems will also find this book ideal as they adopt Force.com. What You Will Learn Package, install, test, and upgrade an application Define architecture-aligning data storage and functional requirements Develop Apex code that is easy to navigate, self-documenting, testable, robust, and organic Leverage your application's clientagnostic Service layer backbone to support numerous platform areas Get the most from hosting your application within the Lightning Experience and Salesforce1 Mobile clients Apply querying, indexing, and asynchronous best practices Leverage mocking and dependency injection in your Apex tests Explore tips for developing advanced applications In Detail Companies of all sizes have seen the need for Force.com's architectural strategy focused on enabling their business objectives. Successful enterprise applications require planning, commitment, and investment in the best tools, processes, and features available. This book will teach you how to architect and support enduring applications for enterprise clients with Salesforce by exploring how to identify architecture needs and design solutions based on industry standard patterns. There are several ways to build solutions on Force.com, and this book will guide you through a logical path and show you the steps and considerations

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required to build packaged solutions from start to finish. It covers all aspects, from engineering to getting your application into the hands of your customers, and ensuring that they get the best value possible from your Force.com application. You will get acquainted with extending tools such as Lightning App Builder, Process Builder, and Flow with your own application logic. In addition to building your own application API, you will learn the techniques required to leverage the latest Lightning technologies on desktop and mobile platforms. Style and approach The book takes a straightforward approach, taking apart the Force.com architecture for you to gain a deep understanding of how you can implement the Salesforce platform based on enterprise-level requirements.

### **DevOps for Salesforce**

Your fun and easy introduction to Salesforce.com and its latest tools The frontrunner in the customer relationship management (CRM) market, Salesforce.com has a rapidly expanding influence over the way companies across the globe interact with their clientele. Salesforce.com For Dummies lends you an edge in building those relationships and managing your company's sales, marketing, customer service, and support operations. With this accessible guide, you will learn how to organize contacts, schedule business appointments, use forecasting tools to predict upcoming sales, make accurate projects based on past performance, and more. Covers the latest enhancements to Salesforce.com, the

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world's most popular customer relationship management software, and explains how to choose the right configuration to suit your business needs Written by Salesforce.com insiders with years of expertise in CRM services Details how to personalize your system, prospect leads, manage accounts and partners, develop contacts, track products, calculate forecasts, drive demand, utilize service and support, share insights with Chatter, enhance your online marketing, and more Close deals faster, gain real-time visibility into sales, and collaborate instantly with help from Salesforce.com For Dummies.

### **Developing Data Migrations and Integrations with Salesforce**

Build interactive dashboards using Salesforce Einstein analytics. Explore all of your data quickly and easily by providing AI-powered advanced analytics, right in Salesforce. You will manage datasets, query data with Salesforce Analytics Query Language (SAQL), and customize dashboards. Because Einstein Analytics is new, the curve to learn this technology can be difficult. This book guides you step-by-step in simple, easy-to-understand terms to get data from the Salesforce platform to the Einstein Analytics platform and also shows you how to import external data (e.g., CSV files). Core chapters focus on understanding data sources, dataflow, dataset, and lens leading up to building dashboards from scratch. Advanced features such as data transformation using computeExpression and computeRelative as well as dataflow with a multi-value lookup are explored. What

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You Will Learn Use data from Salesforce and external sources Create a dataflow to build a flexible dataset Build dashboards using Einstein Analytics Explore and analyze data using Einstein Analytics Utilize SAQL and binding to create advance dashboards Who This Book Is For IT users getting started with Einstein Analytics, Salesforce consultants starting new Einstein Analytics projects, and power users familiar with Salesforce reporting and dashboards who want to get up to speed on new analytics features

### **Practical Salesforce.com Development Without Code**

"Force.com Tips and Tricks" is not a complete reference guide for the Force.com platform development but it is a time-saving tips and tricks book that can be very helpful and handy for novice as well as experienced developers. This book would be very useful for Force.com developers who want to extend their Force.com applications using Flex, Apex, and Visualforce. "Force.com Tips and Tricks" is not a bible or a complete reference for the Force.com platform development. The time-saving tips and tricks make this book handy for novice as well as experienced developers. This is basically for Force.com developers, who want to extend their Force.com applications using Flex, Apex, and Visualforce.

### **Mastering Regular Expressions**

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Click your way to automating business processes with Salesforce Visual Workflow Key Features Create and maintain complex business processes using Process builder Discover how to debug and deploy Flow and Process Builder Use new or existing Flows to work with Salesforce Lightning Experience Book Description Salesforce Management System is an information system used in CRM to automate business processes, such as sales and marketing. Process Builder is a visual tool created to automate business processes in Salesforce. It enables users with no coding expertise to build complex Salesforce workflows. The book starts with an introduction to Process Builder, focussing on the building blocks of creating Processes. Then you will learn about different applications of Process Builder for developing streamlined solutions. You will learn how to easily automate business processes and tackle complex business scenarios using Processes. The book explains the workings of the Process Builder so that you can create reusable processes. It also explains how you can migrate existing Workflow Rules to Process Builder. By the end of the book, you will have a clear understanding of how to use Flows and Process Builder to optimize code usage. What you will learn Develop an application using point and click with the help of Process Builder Bypass Processes for specific users Understand the concepts of reusable processes Handle complex business processes using Process Builder and keep them clean Work with formulae in Process Builder to minimize the code required Create a process with no criteria so as to minimize the amount of rework Overcome Salesforce's known limitation in terms of referencing picklist values Who this book is for This book is for people who

want to use Process Builder to automate their business requirements by clicking, not coding. A basic understanding of Salesforce is required, but not extensive programming knowledge.

### **Head First Java**

Learn how to build logic into your apps by configuring Salesforce.com Lightning Process Builder and Visual Workflow software tools to meet the needs of your organization without the use of code. You will be able to build workflow diagrams on the Salesforce.com platform and perform complex logic. Individuals who have created workflow diagrams in other applications (e.g., Microsoft Visio) will feel very comfortable using these two tools from Salesforce. If you find yourself in a situation where a standard Salesforce configuration does not meet your needs, you can always rely on a developer to extend the functionality through Visualforce and Apex code. What if you could take back that control and not rely on a developer or consultant? With two new technologies—Process Builder and Visual Workflow—introduced onto the Salesforce.com platform, you can accomplish much of what was normally handled with Apex code. Lightning Process Builder and Visual workflow both allow for advanced logic that standard configuration such as Salesforce.com Workflow cannot do. Salesforce.com Lightning Process Builder and Visual Workflow details how these technologies can be used to: Create a call center application that guides operators through a call with screens that change based on

the caller's responses. Automatically submit approvals to speed up and streamline your business. Update related records for any object being modified, including standard and custom objects.

### **Force.com Enterprise Architecture**

A USA Today bestseller! Companies like Netflix, Spotify, and Salesforce are just the tip of the iceberg for the subscription model. The real transformation--and the real opportunity--is just beginning. Subscription companies are growing nine times faster than the S&P 500. Why? Because unlike product companies, subscription companies know their customers. A happy subscriber base is the ultimate economic moat. Today's consumers prefer the advantages of access over the hassles of maintenance, from transportation (Uber, Surf Air), to clothing (Stitch Fix, Eleven James), to razor blades and makeup (Dollar Shave Club, Birchbox). Companies are similarly demanding easier, long-term solutions, trading their server rooms for cloud storage solutions like Box. Simply put, the world is shifting from products to services. But how do you turn customers into subscribers? As the CEO of the world's largest subscription management platform, Tien Tzuo has helped hundreds of companies transition from relying on individual sales to building customer-centric, recurring-revenue businesses. His core message in *Subscribed* is simple: Ready or not, excited or terrified, you need to adapt to the Subscription Economy -- or risk being left behind. Tzuo shows how to use

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subscriptions to build lucrative, ongoing one-on-one relationships with your customers. This may require reinventing substantial parts of your company, from your accounting practices to your entire IT architecture, but the payoff can be enormous. Just look at the case studies: \* Adobe transitions from selling enterprise software licenses to offering cloud-based solutions for a flat monthly fee, and quadruples its valuation. \* Fender evolves from selling guitars one at a time to creating lifelong musicians by teaching beginners to play, and keeping them inspired for life. \* Caterpillar uses subscriptions to help solve problems -- it's not about how many tractors you can rent, but how much dirt you need to move. In *Subscribed*, you'll learn how these companies made the shift, and how you can transform your own product into a valuable service with a practical, step-by-step framework. Find out how you can prepare and prosper now, rather than trying to catch up later.

### **Salesforce Advanced Administrator Certification Guide**

Note: The third edition of this book is now available ISBN: 978-1936754106 in both paperback and eBook formats *Beyond the Force.com documentation - Second edition Advanced Apex Programming for Salesforce.com* and *Force.com* is neither a tutorial nor a book for beginners. Intended for developers who are already familiar with the Apex language, and experienced Java and C# developers who are moving to Apex, this book starts where the Force.com documentation leaves off. Instead of

trying to cover all of the features of the platform, Advanced Apex programming focuses entirely on the Apex language and core design patterns. You'll learn how to truly think in Apex - to embrace limits and bulk patterns. You'll see how to develop architectures for efficient and reliable trigger handling, and for asynchronous operations. You'll discover that best practices differ radically depending on whether you are building software for a specific organization or for a managed package. And you'll find approaches for incorporating testing and diagnostic code that can dramatically improve the reliability and deployment of Apex software, and reduce your lifecycle and support costs. Based on his experience as a consultant, Force.com MVP and architect of a major AppExchange package, Dan Appleman focuses on the real-world problems and issues that are faced by Apex developers every day, along with the obscure problems and surprises that can sneak up on you if you are unprepared. This second edition contains updates through Winter 14 (API 29) along with significant new content on triggers, asynchronous design patterns, concurrency and more

### **Salesforce CRM**

Are you facing a challenging Salesforce.com problem--say, relating to automation, configuration, formulation, or reporting--that you can't quite crack? Or maybe you are hoping to infuse some creativity into your solution design strategy to solve problems faster or make solutions more efficient? Practical Salesforce.com

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Development Without Code shows you how to unlock the power of the Force.com platform to solve real business problems--and all without writing a line of code. Adhering to Salesforce.com's "clicks, not code" mantra, Salesforce.com expert Phil Weinmeister walks you through different business problems and identifies effective, creative--and proven--approaches to solutions using the platform's declarative framework. If you are a Salesforce.com administrator, analyst, consultant, or developer, you can attest to the insatiable appetite of users for new functionality. Your clients expect solutions--and now. By adopting Practical Salesforce.com Development Without Code as your guide, you will learn how to deliver business solutions within Salesforce.com by combining analysis, creativity, and logic with some of its core elements, including validation rules, workflow rules, and formula fields. In addition, Weinmeister dissects and explains the most useful functions and features for developers, and shows you how to use them. Among other things, you will learn how to: Build objects, fields, and relationships to establish a sensible data model Automate business processes by using workflow rules and flows (Visual Workflow) Utilize functions and develop formulas effectively for a variety of business needs Develop intricate approval processes to handle exception scenarios Employ publisher actions to drive additional functionality from the Chatter feed Manage your data using Data Loader Best of all, Weinmeister uses real-life business scenarios and visuals to keep you engaged and learning something new with every page you read. Practical Salesforce.com Development Without Code will help you absorb the principles behind dozens of creative and

thoughtful ways to solve your business problems. Applying the lessons learned from this how-to guide will ultimately save you time and ensure that your clients or internal customers are well satisfied and productive.

### **Getting Started with Salesforce Einstein Analytics**

A guide to every aspect of Salesforce.com covers such topics as using the service cloud, promoting collaboration through Chatter, and establishing metrics for social CRM performance.

### **Mastering Apex Programming**

Learning a complex new language is no easy task especially when it s an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? It's like the creators of the Head First approach say, suppose

you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff: a complete introduction to object-oriented programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new, second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you.

Visualforce Development Cookbook is written in such a way that even complex concepts are explained in an easy-to-understand manner. Following a Cookbook structure, the book covers some essential technical scenarios and includes over 75 recipes focusing on real-world development problems. This book is packed with illustrations and also contains lots of code samples for the better understanding of the reader. "Visualforce Development Cookbook" is aimed at developers who have already grasped the basics of Visualforce. Awareness of the standard component library and the purpose of controllers is expected.

### **Learning Salesforce Lightning Application Development**

Introduces regular expressions and how they are used, discussing topics including metacharacters, nomenclature, matching and modifying text, expression processing, benchmarking, optimizations, and loops.

### **Salesforce.com Lightning Process Builder and Visual Workflow**

Foreword by Craig Weissman, CTO, Salesforce.com Build Cloud-Based Enterprise Applications Fast-and Drive More Value at Lower Cost! Using the Force.com platform, enterprise developers can build and deploy powerful applications far more rapidly than traditional J2EE, Microsoft .NET, or LAMP technology stacks

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permit. With a free subscription to the Force.com platform, developers can build apps that solve virtually any enterprise challenge with remarkable value, scalability, and reliability. This is the first book that brings together all the practical, technical guidance you need to make the most of Force.com in your own custom enterprise applications. Leading Force.com developer Jason Ouellette helps you identify suitable uses for Force.com and provides all the insights and sample code needed to rapidly prototype, deploy, and integrate with production-quality Force.com applications. Ouellette provides realistic code examples at every step, emphasizing maintainability, flexibility, and interoperability throughout. Writing for developers, architects, and analysts, he shows how to

- Create custom enterprise apps on Force.com in days or weeks, not months or years
- Leverage Force.com's extensive capabilities for storing, managing, and securing data
- Quickly create sophisticated business logic with the Apex programming language
- Use Visualforce to construct custom user interfaces
- Establish automated or semiautomated workflows
- Implement Ajax behaviors without writing JavaScript code or learning new JavaScript libraries
- Integrate Force.com-based data and processes with other applications, inside and outside the platform
- Display reports as state-of-the-art dashboards
- Integrate Force.com applications with existing Single Sign-On systems

This book's extensive sample code may be downloaded from Force.com AppExchange at <http://sites.force.com/appexchange/listingDetail?listingId=a0N30000001SS3rEAG>

### Trailblazer

Would you like to use a consistent visual notation for drawing integration solutions? "Look inside the front cover." Do you want to harness the power of asynchronous systems without getting caught in the pitfalls? "See "Thinking Asynchronously" in the Introduction." Do you want to know which style of application integration is best for your purposes? "See Chapter 2, Integration Styles." Do you want to learn techniques for processing messages concurrently? "See Chapter 10, Competing Consumers and Message Dispatcher." Do you want to learn how you can track asynchronous messages as they flow across distributed systems? "See Chapter 11, Message History and Message Store." Do you want to understand how a system designed using integration patterns can be implemented using Java Web services, .NET message queuing, and a TIBCO-based publish-subscribe architecture? "See Chapter 9, Interlude: Composed Messaging." Utilizing years of practical experience, seasoned experts Gregor Hohpe and Bobby Woolf show how asynchronous messaging has proven to be the best strategy for enterprise integration success. However, building and deploying messaging solutions presents a number of problems for developers. " Enterprise Integration Patterns " provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS,

MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book. 0321200683B09122003

### **Enterprise Integration Patterns**

NEW YORK TIMES BESTSELLER • The founder and co-CEO of Salesforce delivers an inspiring vision for successful companies of the future—in which changing the world is everyone’s business. “The gold standard on how to use business as a platform for change at this urgent time.”—Ray Dalio, founder of Bridgewater Associates and author of Principles: Life and Work What’s the secret to business growth and innovation and a purpose-driven career in a world that is becoming vastly more complicated by the day? According to Marc Benioff, the answer is

embracing a culture in which your values permeate everything you do. In *Trailblazer*, Benioff gives readers a rare behind-the-scenes look at the inner workings of one of the world's most admired companies. He reveals how Salesforce's core values—trust, customer success, innovation, and equality—and commitment to giving back have become the company's greatest competitive advantage and the most powerful engine of its success. Because no matter what business you're in, Benioff says, values are the bedrock of a resilient company culture that inspires all employees, at every level, to do the best work of their lives. Along the way, he shares insights and best practices for anyone who wants to cultivate a company culture positioned to thrive in the face of the inevitable disruption ahead. None of us in the business world can afford to sit on the sidelines and ignore what's going on outside the walls of our workplaces. In the future, profits and progress will no longer be sustainable unless they serve the greater good. Whether you run a company, lead a small team, or have just draped an ID badge around your neck for the first time, *Trailblazer* reveals how anyone can become an agent of change. Praise for *Trailblazer* "A guide for what every business and organization must do to thrive in this period of profound political and economic change."—Jamie Dimon, chairman and CEO of JPMorgan Chase "In *Trailblazer*, Benioff explores how companies can nurture a values-based culture to become powerful platforms for change."—Susan Wojcicki, CEO of YouTube

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Get started developing on the Force.com platform in no time. With step-by-step guidance, starting with setting up your developer environment and progressing through to deploying to production, you will learn industry best practices to release robust custom applications with tangible benefits to your company or your client. Geared specifically toward beginning developers, Beginning Salesforce Developer establishes a strong understanding of basic code constructs through examples. Rather than simply explaining how to use the platform, you will receive a comprehensive understanding of why, allowing you to address platform quirks and "gotchas" that might occur. The book also serves to lay the foundation for continuing on to Salesforce Developer Pro.

What You'll Learn

- Configure your Salesforce development environment
- Understand the Salesforce data model and query languages
- Create basic Apex triggers
- Use standard controllers with basic Visualforce pages
- Utilize Visualforce with custom-built Apex controllers
- Write test coverage

Who This Book Is For

Salesforce administrators who wish to transition into developing on the Force.com platform. The book also serves as a quick immersion into the world of development for complete beginners through proprietary Salesforce development languages on the Force.com platform.

### **Development with the Force.com Platform**

This practical guide brings DevOps principles to Salesforce development. It fits

together two major movements within the IT world: the movement to Software/Platform as a Service (SaaS/PaaS), and the DevOps movement. While SaaS and PaaS allow companies to invest in their core competencies rather than maintain their own infrastructure, the goal of DevOps is to optimize the process of delivering software innovation and value. The release of Salesforce DX in late 2017 unlocks the possibility of a true DevOps workflow on Salesforce. But DevOps is new to the Salesforce world and there is not a widespread understanding of its goals and methods, and so adoption of Salesforce DX is still in the early stages. Mastering Salesforce DevOps explains how to build a powerful and comprehensive DevOps workflow for Salesforce—allowing you to finally deploy the world's most innovative platform using the world's most effective and efficient techniques. It addresses the need for a comprehensive guide to DevOps for Salesforce, allowing teams to bring proven practices from the IT world to resolve the hardest problems facing Salesforce developers today. What You Will Learn Improve company performance and software delivery performance using Salesforce DX Translate DevOps concepts into the unique language and practices of Salesforce Understand why and how you can implement Salesforce DX to achieve greater productivity and innovation Enable continuous delivery on Salesforce Build packages and architect code so it can be deployed easily Allow admins to participate in what has traditionally been a developer workflow Know the techniques for reducing the stress and risk of deployment Apply the full range of automated tests that can be used on Salesforce Who This Book Is for Salesforce developers, release managers,

and those managing Salesforce development teams who need a guide to DevOps, and DevOps specialists who need to apply familiar concepts to Salesforce

### **Salesforce.com Secrets of Success**

Moving to the Cloud provides an in-depth introduction to cloud computing models, cloud platforms, application development paradigms, concepts and technologies. The authors particularly examine cloud platforms that are in use today. They also describe programming APIs and compare the technologies that underlie them. The basic foundations needed for developing both client-side and cloud-side applications covering compute/storage scaling, data parallelism, virtualization, MapReduce, RIA, SaaS and Mashups are covered. Approaches to address key challenges of a cloud infrastructure, such as scalability, availability, multi-tenancy, security and management are addressed. The book also lays out the key open issues and emerging cloud standards that will drive the continuing evolution of cloud computing. Includes complex case studies of cloud solutions by cloud experts from Yahoo! , Amazon, Microsoft, IBM, Adobe and HP Labs Presents insights and techniques for creating compelling rich client applications that interact with cloud services Demonstrates and distinguishes features of different cloud platforms using simple to complex API programming examples

### **Mastering Salesforce DevOps**

Use this hands-on guide to build powerful solutions on the Salesforce platform without using a single line of code. This revised and expanded second edition includes Process Builder, Flow Builder, Lightning App Builder, Lightning Bolt Solutions, and more. Practical Salesforce Development Without Code shows you how to unlock the power of the Salesforce platform to solve real business problems. Adhering to Salesforce's "clicks, not code" mantra, Salesforce expert Phil Weinmeister walks Salesforce newcomers and veterans through different business problems and identifies effective—and proven—approaches to solutions using the platform's declarative framework. By adopting this book as your guide, you will learn how to deliver business solutions within Salesforce by combining analysis, creativity, and logic with core elements such as validation rules, workflow rules, processes, flows, formula fields, and Lightning apps. In addition, Weinmeister dissects and explains the most useful functions and features for declarative developers and shows you how to use them. Best of all, Weinmeister uses real-life business scenarios and visuals. Applying the lessons learned from this how-to guide will ultimately save you time and ensure that your clients or internal customers are enabled, equipped, and empowered. What You'll Learn Build objects, fields, and relationships to establish a sensible data model Automate business processes by using Workflow, Process Builder, and Flow Utilize functions and develop formulas effectively for a variety of business needs Develop approval

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processes to handle exception scenarios Employ actions to easily create efficient and relevant user experiences Manage your environments and deploy your solutions Who This Book Is for Business analysts, Salesforce administrators, and Salesforce developers

### **JavaScript for Kids**

If you are a developer who wants to learn how to develop and deploy applications from the Salesforce.com platform, then this book is for you. No prior knowledge of Salesforce is necessary.

### **Advanced Apex Programming for Salesforce.com and Force.com**

A comprehensive guide filled with best practices and tailor-made examples - a must-read for all Lightning Platform architects! Key Features Use the Lightning Platform to build integrated, scalable, and robust apps focused on enterprise-level customer demands Use the Lightning Component framework to deliver modern and responsive user experiences targeting multiple devices through Lightning Experience and Salesforce Mobile Extend your application with access to external services and AI Book Description Salesforce Lightning provides a secure and

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scalable platform to build, deploy, customize, and upgrade applications. This book will take you through the architecture of building an application on the Lightning platform to help you understand its features and best practices, and ensure that your app keeps up with your customers' increasing needs as well as the innovations on the platform. This book guides you in working with the popular aPaaS offering from Salesforce, the Lightning Platform. You'll see how to build and ship enterprise-grade apps that not only leverage the platform's many productivity features, but also prepare your app to harness its extensibility and customization capabilities. You'll even get to grips with advanced application architectural design patterns such as Separation of Concerns, Unit Testing and Dependency Integration. You will learn to use Apex and JavaScript with Lightning Web Components, Platform Events, among others, with the help of a sample app illustrating patterns that will ensure your own applications endure and evolve with the platform. Finally, you will become familiar with using Salesforce DX to develop, publish, and monitor a sample app and experience standard application life cycle processes along with tools such as Jenkins to implement CI/CD. By the end of this book, you will have learned how to develop effective business apps and be ready to explore innovative ways to meet customer demands. What you will learn

- Create and deploy AppExchange packages and manage upgrades
- Understand Enterprise Application Architecture patterns
- Customize mobile and desktop user experience with Lightning Web Components
- Manage large data volumes with asynchronous processing and big data strategies
- Implement Source Control and Continuous

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Integration Add AI to your application with Einstein Use Lightning External Services to integrate external code and data with your Lightning Application Who this book is for This book is for Lightning platform developers who want to discover the true potential of the platform to develop complex scalable applications for use in enterprise businesses.

### **Learning Salesforce Visual Workflow**

Master advanced Salesforce Administration concepts with expert tips, techniques, and mock tests Key Features Learn advanced features to reduce implementation time and enhance your Salesforce administration skills Develop the ability to solve critical issues with a proactive approach and deliver the best solution Explore complex automation with workflows, approvals, process builder, and custom Apex coding Book Description The Salesforce Advanced Administrator certification extends beyond administrator certification, covering advanced platform features and functions such as configuration, automation, security, and customization. Complete with comprehensive coverage of all these topics and exam-oriented questions and mock tests, this Salesforce book will help you earn advanced administrator credentials. You'll start your journey by mastering data access security, monitoring and auditing, and understanding best practices for handling change management and data across organizations. The book then delves into data model management for improving data quality and lets you explore Sales

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features such as products, schedules, quotes, and forecasting capabilities. As you progress, this book will guide you in working with content management to set up and maintain Salesforce content. You'll also master organizing your files and data using reports and dashboards. Finally, you'll learn how to use a combination of automation tools to solve business problems. By the end of the book, you will have developed the skills required to get your advanced administrator credentials. What you will learn Master data security to monitor your org effectively Explore best practices for handling change management across orgs Extend the capabilities of Salesforce objects using advanced relationships, validation rules, and duplicate management Handle file libraries with Salesforce CRM content Understand ways to deliver the best solutions with Sales and Service Cloud applications Build reports and dashboards to visualize data for better decision making Customize your CRM with process automation features Who this book is for If you've already achieved your Salesforce administrator certification, this book will help you prepare for the Salesforce Advanced Administrator certification. You'll also find this guide useful if you are a Salesforce administrator or developer and want to maximize your administration skills with deeper knowledge of advanced Salesforce declarative features. 1-2 years of experience as a Salesforce administrator or developer is enough to help you to get the most out of the book.

## **Starting a Tech Business**

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Build and deploy scalable applications on the Salesforce Lightning Platform using the latest features of Spring '19 Key Features An end-to end-guide with practice tests to help you achieve the Salesforce Platform Developer certification Design data models, user interfaces, and business logic for your custom applications Understand the complete development life cycle from designing to testing Book Description Salesforce Lightning Platform, used to build enterprise apps, is being increasingly adopted by admins, business analysts, consultants, architects, and especially developers. With this Salesforce certification, you'll be able to enhance your development skills and become a valuable member of your organization. This certification guide is designed to be completely aligned with the official exam study guide for the latest Salesforce Certified Platform Developer I release and includes updates from Spring '19. Starting with Salesforce fundamentals and performing data modeling and management, you'll progress to automating logic and processes and working on user interfaces with Salesforce components. Finally, you'll learn how to work with testing frameworks, perform debugging, and deploy metadata, and get to grips with useful tips and tricks. Each chapter concludes with sample questions that are commonly found in the exam, and the book wraps up with mock tests to help you prepare for the DEV501 certification exam. By the end of the book, you'll be ready to take the exam and earn your Salesforce Certified Platform Developer I certification. What you will learn Solve sample questions and mock tests and work with exam patterns Gain an understanding of declarative Salesforce tools such as Process Builder, flows, and many more Code in Salesforce

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using the Developer Console and IDEs Grasp the basics of object-oriented programming Write Apex classes, Visualforce pages, and Apex test classes with easy-to-follow steps Explore the different deployment tools that you can use to push metadata to different environments Build custom declarative apps and programs on Force.com platforms Who this book is for The Salesforce Platform Developer I Certification Guide is for you if you want to learn how to develop and deploy business logic and user interfaces using the capabilities of the Lightning Platform. No prior knowledge of Apex programming is required.

### **Salesforce Process Builder Quick Start Guide**

Learning Salesforce Visual Workflow is intended for those who want to use Flows to automate their business requirements by click not code. Salesforce maintains an incredibly user-friendly interface; no previous experience in computer coding or programming is required.

### **Salesforce.com For Dummies**

JavaScript for Kids is a lighthearted introduction that teaches programming essentials through patient, step-by-step examples paired with funny illustrations. You'll begin with the basics, like working with strings, arrays, and loops, and then

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move on to more advanced topics, like building interactivity with jQuery and drawing graphics with Canvas. Along the way, you'll write games such as Find the Buried Treasure, Hangman, and Snake. You'll also learn how to: Create functions to organize and reuse your codeWrite and modify HTML to create dynamic web pagesUse the DOM and jQuery to make your web pages react to user inputUse the Canvas element to draw and animate graphicsProgram real user-controlled games with collision detection and score keeping With visual examples like bouncing balls, animated bees, and racing cars, you can really see what you're programming. Each chapter builds on the last, and programming challenges at the end of each chapter will stretch your brain and inspire your own amazing programs. Make something cool with JavaScript today! Ages 10+ (and their parents!)

## **Beginning Salesforce Developer**

New or intermediate developers will want to use this hands-on guide to prepare for the Salesforce Certified Platform App Builder credential, awarded for designing, building, and implementing applications using the declarative customization capabilities of the Salesforce Platform. This is the first book available covering this content, and Salesforce training is very costly. This book is filled with real-world examples and hands-on exercises, enabling you to prepare for the certification exam in a short span of time. Multiple-choice study questions and exercises are included to help you apply what you learn in each chapter. Author Rakesh Gupta

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explains Salesforce Platform fundamentals, including knowledge about the limitations of the declarative platform and when to use programmatic development versus the AppExchange. Data management and data analytics are covered. And you will learn how to set up organization-wide features that affect the look and feel of your application. Sandbox design patterns and process automation tools available in Salesforce are discussed and you will know when to use them. You will become familiar with a wide array of topics, including designing a mobile app and reporting in Salesforce. What You Will Learn Know when to use declarative development versus programmatic development versus the AppExchange Understand the Salesforce data model, field type (when to use which fields), and how and when to use an external object in Salesforce Be familiar with security and settings in Salesforce See how easily users can migrate to the Lightning experience from the classic platform Implement business process automation using declarative features Apply the automation process in Salesforce Utilize Process Builder and manage its power to automate business processes Use sandboxes and deployment tools Who This Book Is For New or intermediate Salesforce developers or anyone in the Salesforce development arena who wants to learn or explore the platform

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