

Read Book Sapui5 Application Development Pdf For Free

Sapui5 Getting Started with SAPUI5 SAPUI5 SAP Fiori Elements
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Sap Fiori Implementation and Development Clean SAPUI5 ABAP
RESTful Programming Model SAP Gateway 2.0 and OData SAP
Fiori Launchpad SAP Gateway and OData Beginning SAP Fiori
SAP Cloud Platform SAP Fiori Certification Guide ABAP in the
Cloud Full Stack Development with SAP SAP HANA XSA
Architecting Solutions with SAP Business Technology Platform
Custom Fiori Applications in SAP HANA SAP Tools SAPUI5 and
Fiori. Status and Future Perspective Application Development
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Mastering SAP ABAP Getting Started with SAP HANA Cloud
Platform SAP Fiori: Implementation and Development Practical
Data Science with SAP Clean ABAP SAP Fiori Implementation and
Development Proceedings of the 2nd International Conference on
Computational and Bio Engineering Software Development on the
SAP Hana Platform Google Apps Script SAP MII Practical
Workflow for SAP SAP Gateway and OData SAP HANA 2.0 Ui5
User Guide Compendium on Enterprise Resource Planning SAP
Cloud Platform Certification Guide

Software Development on the SAP HANA Platform is a general
tutorial guide to SAP HANA. This book is written for beginners to
the SAP HANA platform. No knowledge of SAP HANA is
necessary to start using this book. OpenUI5/SAPUI5 is an open-

source JavaScript toolkit to build responsive client web applications. The UI5 User Guide gets the reader started quickly with UI5 development. The book is written to assist the developer with practical example solutions for common development tasks. Learn how to create dynamic web applications with Google Apps Script and take full advantage of your Google-hosted services. If you have basic coding skills and some JavaScript experience, this practical book shows you how Apps Script works, and provides step-by-step guidance for building applications you can use right away. Apps Script is handy for automating Google Apps tasks, but it also serves as a complete application platform. With this book, you'll learn how to build, store, run, and share data-driven web apps right on Google Drive. You'll have access to complete code and working examples that show you how everything fits together. Build an interactive Web App UI that runs on most web and mobile browsers Create a sample product catalog that displays custom data from a spreadsheet Develop an application to generate web forms from templates Use Apps Script to build a simple web-based database application Design a document workflow builder that users can quickly customize Create a Google form that lets you select and send email responses Debug your code and keep track of script problems after deployment Want to create applications that run faster and perform better on SAP HANA? Learn how to design, test, and deploy native SAP HANA applications with SAP HANA XSA! Get started by exploring your development environment, tools, and the SAP HANA XSA architecture. Then define your data model with Core Data Services and HDB, add your application layer--Node.js, Java, or custom--and develop your presentation layer. Finish up by securing, troubleshooting, and deploying your app!-- Take a deep dive into SAP Fiori and discover Fiori architecture, Fiori landscape installation, Fiori standard applications, Fiori Launchpad configuration, tools for developing Fiori applications and extending standard Fiori applications. You will learn: Fiori

architecture and its applications Setting up a Fiori landscape and Fiori Launchpad Configuring, customizing and enhancing standard Fiori applications Developing Fiori native applications for mobile Internet of Things-based custom Fiori applications with the HANA cloud platform

Since Mathew, a SAP mobility expert working for an MNC in Germany, shows you how SAP Fiori, based on HTML5 technology, addresses the most widely and frequently used SAP transactions like purchase order approvals, sales order creation, information lookup, and self-service tasks. This set of HTML5 apps provides a very simple and accessible experience across desktops, tablets, and smartphones.

Prerequisites and steps for setting up a Fiori landscape and Launchpad Fiori standard application configuration

Extending and customizing standard Fiori applications

Developing custom Fiori applications from scratch

Building custom Fiori applications for Internet Of Things using HANA cloud Fiori apps with cordova and kapsel plugins

Enter the fast-paced world of SAP HANA 2.0 with this introductory guide. Begin with an exploration of the technological backbone of SAP HANA as a database and platform. Then, step into key SAP HANA user roles and discover core capabilities for administration, application development, advanced analytics, security, data integration, and more. No matter how SAP HANA 2.0 fits into your business, this book is your starting point. In this book, you'll learn about:

- Technology** Discover what makes an in-memory database platform. Learn about SAP HANA's journey from version 1.0 to 2.0, take a tour of your technology options, and walk through deployment scenarios and implementation requirements.
- Tools** Unpack your SAP HANA toolkit. See essential tools in action, from SAP HANA cockpit and SAP HANA studio, to the SAP HANA Predictive Analytics Library and SAP HANA smart data integration.
- Key Roles** Understand how to use SAP HANA as a developer, administrator, data scientist, data center architect, and more. Explore key tasks like backend programming with SQLScript, security setup with roles and

authorizations, data integration with the SAP HANA Data Management Suite, and more. Highlights include: 1) Architecture 2) Administration 3) Application development 4) Analytics 5) Security 6) Data integration 7) Data architecture 8) Data center

This book presents the peer-reviewed proceedings of the 2nd International Conference on Computational and Bioengineering (CBE 2020) jointly organized in virtual mode by the Department of Computer Science and the Department of BioScience & Sericulture, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India, during 4-5 December 2020. The book includes the latest research on advanced computational methodologies such as artificial intelligence, data mining and data warehousing, cloud computing, computational intelligence, soft computing, image processing, Internet of things, cognitive computing, wireless networks, social networks, big data analytics, machine learning, network security, computer networks and communications, bioinformatics, biocomputing/biometrics, computational biology, biomaterials, bioengineering, and medical and biomedical informatics. *** 2020 UPDATE - SAP Gateway 2.0 features! - Become an Expert Fast in a Hot Demanded Market and Reap the Rewards! *** □ Do you know that OData/REST integration is one of the most hot demanded areas in system connections? □ Do you know that this area is not only demanded but also a market that lacks expert resources? □ Do you know that by exposing SAP Business Suite functionality as REST-based OData services, SAP Gateway enables SAP applications to share data with a wide range of devices, technologies, and platforms in a way that is easy to understand and consume? □ Your practical guide □□ This step-by-step practical guide will give you the version 1 and version 2 of the SAP Gateway features. □ In an easy way, this book will save you time in your development, design and troubleshooting with SAP Gateway. □ In addition, it will also help you on the mobile application development side with SAPUI5 / SAP Fiori. □ You will

learn [Main Concepts](#). [Getting Familiarized with the SAP Gateway Environment](#). [CRUDQ operations and Service Implementation](#). [Integrating SAP Gateway with SAPUI5 and Deploying SAPUI5 Apps](#). [SAP Gateway 2.0 Features - Advanced Implementation of Services](#). So, get into the water and start splashing around, it could only make you better. Start on the journey to this technology today. * Are you ready to be proficient in a demanded integration area and reap the rewards in your job/contract? * [Scroll to the top of the page and press the "BUY NOW" button to get started right away!](#) [Connect your SAP system and the world of OData with this comprehensive guide to SAP Gateway!](#) Begin with the basics, then walk through the steps in creating SAP Gateway and OData services. Expand your skills further, with how-tos on developing SAPUI5 apps with the SAP Web IDE; building SAP Fiori, mobile, and enterprise applications; and performing administrative tasks for lifecycle management and security. Explore the latest trends and technologies, and map out your OData future!

- Deployment, Installation, ConfigurationGet started! Discover the various deployment options for SAP Gateway, and get step-by-step instructions for installation and configuration.
- SAP Gateway and OData ServicesCreate! Walk through the specific tools for and steps in creating SAP Gateway and OData services. Then learn how to extend your existing services, including redefining services and customizing SAP Fiori apps.
- Application DevelopmentDevelop! Learn how OData and SAP Gateway are used in SAPUI5, SAP Fiori, mobile, social media, and enterprise applications.

Highlights include:

- SAP Gateway installation and deployment
- Service creation and deployment
- Mobile development
- Social media development
- Security
- Lifecycle management
- SAPUI5
- SAP Web IDE
- SAP Fiori
- SAP HANA SAPUI5 code needs to be easy to read and easy to update. Clean up your code with this guide from the experts! Learn how to leverage JavaScript features to write better SAPUI5 code. Then walk through detailed code examples and

explanations for using modules, classes, functions, names, variables, literals, comments, code metrics, and more. Get the best practices you need for formatting, testing, implementation, and beyond! "Your comprehensive guide to SAPUI5! From get the know-how to develop MVC apps, use OData, create data bindings, debug and test code, and deploy apps. Learn the dos and don'ts of SAPUI5 and everything in between, whether you're implementing CRUD operations or writing your own controls. See what's new with SAP Cloud Platform, SAPUI5 support assistant, and more. Your best apps are yet to come"-- Learn to build cloud applications from the ground up using SAP Cloud Platform. Explore the Neo and Cloud Foundry development environments; pick your backend language from a selection including Java, Node.js, and ABAP; and create a frontend with SAPUI5 and SAP Fiori, and more. Once your app is ready to run, secure, test, and monitor it before delivery and implementation. Then find out how to integrate essential SAP Cloud Platform services like the SAP Leonardo toolset. Take your apps to the next level a. Application Development Learn the ins and outs of application development, from Java, Node.js, Python, SAP HANA XS, SAP HANA XSA, and ABAP in the backend. For the frontend, explore SAPUI5, SAP Fiori, and SAP Web IDE. b. Lifecycle Management Secure and monitor applications, set up a continuous delivery and continuous integration pipeline, and implement DevOps best practices. c. Microservices Integrate your applications with SAP Cloud Platform microservices like Internet of Things 4.0, machine learning, and blockchain from the SAP Leonardo toolset. 1) SAP Cloud Platform 2) Neo Environment 3) Cloud Foundry 4) Microservices 5) Frontend and backend development 6) Application lifecycle management 7) SAP Leonardo 8) Java 9) SAPUI5 10) CI/CD 11) DevOps Get started building custom Fiori applications for your enterprise. This book teaches you how to design, build, and deploy enterprise-ready, custom Fiori applications in SAP HANA. Tips and tricks collected from projects

using Fiori applications (built consuming OData models and REST APIs) and integrating third-party JS libraries are presented. Also included are examples using Fiori templates from different tools such as the SAP Web IDE and the new Visual Studio Code extensions. This book explains the 5 design principles that all Fiori applications are built upon: Role-based, Responsive, Coherent, Simple, and Delightful. The book expands on consuming OData services and REST APIs internal and external to SAP HANA. The Fiori application exercise demonstrates the use of the MVC pattern, JavaScript modularization, reuse of SAP UI5 controls, debugging, and the tools required for a complete scenario. The book closes with an exercise showcasing a finished single page application with multiple views and layouts, navigation between the views, and deployment of the application to AWS. This book is simple enough for entry-level developers getting started in web frameworks but also highlights integration points from the data models being consumed from the application, and shows how the application communicates with back-end services, resulting in a complete front-end custom Fiori application.

What You Will Learn

- Know the 5 Fiori design principles
- Understand how to consume OData and REST API models
- Apply the MVC pattern using XML views and the SAP UI5 controls along with controller behavior in JavaScript
- Debug and deploy the application

Who This Book is For

Web developers and application leads who have some experience in JavaScript frameworks and web development and understand web protocol communication

One resource. All of your SAP Business Workflow needs. Now there's no need to consult online resources or call your workflow friends--this book is your answer

Reorganized and fine-tuned, the third edition of this guide is packed with information and better than ever. Familiar with some aspects of managing Workflow, but not with others? Pick the sections or chapters that are most relevant to you; focus on the provided conceptual explanations, technical instructions, or both. You'll

find important topics such as configuration, administration and troubleshooting, design, and enhancement. If you know the basics, you'll find value in the coverage provided for SAP's changing landscape such as SAPUI5, SAP Fiori, Operational Process Intelligence for SAP HANA, and much more. Highlights: Configuration Work item delivery Agents UWL and POWL Administration UI enhancement ABAP classes Custom programs User interfaces SAP Fiori BRF+ SAP GRC SAP HANA SAP Master Data Governance Take the guesswork out of app development with this comprehensive guide! Learn how to use SAP Fiori elements to develop SAP Fiori applications with minimal coding. Walk through the basics of SAP Fiori elements, including the OData standard, programming models, and development tools. Then, follow step-by-step instructions to build your applications using floorplan templates. Finally, learn how to deploy and extend your applications. This is your complete resource for creating and extending SAP Fiori elements apps! Highlights include: 1) SAP Business Application Studio 2) SAP Web IDE 3) SAPUI5 4) SAP Cloud Application Programming Model 5) ABAP RESTful application programming model 6) Floorplans 7) Overview pages 8) Object pages 9) Worklists and list reports 10) Deployment 11) Extensions 12) Navigation Take your UI to the next level with this all-in-one resource to implementing and developing SAP Fiori apps! Start by configuring the SAP Fiori components and setting up the necessary security measures. Then it's time to dive into applications: enabling them, developing them with SAP Business Application Studio and SAP Fiori elements, extending them for SAP S/4HANA, and more. With step-by-step instructions and screenshots throughout, this guide is your one-stop shop! Highlights: Installation and configuration Security OData services SAP Business Application Studio SAP Web IDE Freestyle apps SAP Fiori elements apps Analytical apps SAP Fiori launchpad SAP Screen Personas Conversational UIs Workflows Leverage the flexibility and power of SAP MII to integrate your business

operations with your manufacturing processes. You'll explore important new features of the product and see how to apply best practices to connect all the stakeholders in your business. This book starts with an overview of SAP's manufacturing integration and intelligence application and explains why it is so important. You'll then see how it is applied in various manufacturing sectors. The biggest challenge in manufacturing industries is to reduce the manual work and human intervention so that the process becomes automatic. SAP MII explains how to bridge the gap between management and production and bring sound vital information to the shop floor in real time. With this book you'll see how to ensure existing manufacturing and information systems share a common interface for all users in your enterprise.

What You'll Learn

- Understand the functional aspects of SAP MII
- Implement SAP MII in different Manufacturing sectors
- Explore new technical features of SAP MII 12.x
- Integrate scenarios with SAP MII
- Discover practice guidelines

Who This Book is for

All levels of SAP manufacturing professionals. ABAP developers, are you looking to clean up your code? Then pick up this official companion to the Clean ABAP GitHub repository. This book is brimming with best practices, straight from the experts, to help you write effective ABAP code. Start by learning when to apply each clean ABAP practice. Then, dive into detailed code examples and explanations for using classes, methods, names, variables, internal tables, and more. From writing code to troubleshooting and testing, this is your complete style guide!

In this book, you'll learn about:

- a. **Clean ABAP Concepts** What is clean ABAP and why is it important to write clean code? Understand clean ABAP concepts with insight from the experts, including special considerations for legacy code and performance.
- b. **Best Practices** Walk through the what, why, and how behind clean ABAP best practices. Learn to improve your code, including using classes and interfaces appropriately, handling method design and control flow, designing and running unit tests, and much more.
- c.

Practical Examples See clean ABAP practices in action! Improve your understanding of how to write effective code. Use detailed examples for each best practice that demonstrate the difference between clean and messy code. Highlights include: 1) Classes and interfaces 2) Methods 3) Names 4) Variables and literals 5) Internal tables 6) Control flow 7) Comments 8) Formatting 9) Error handling 10) Unit testing 11) Packages Seminar paper from the year 2017 in the subject Computer Science - Commercial Information Technology, grade: 1.7, Heilbronn University, language: English, abstract: Today almost every software and websites has a mobile compatible version and everyone can check anything on his mobile or tablet. This wasn't the case 7-8 years ago. For SAP, Graphical User Interface as known as GUI was very powerful at the time when SAP launched its ERP software. With time, many other software exists with the fleet of HTML5 based powerful and more appealing modern UI-technology. For this, the old GUI was not able to stand with it. As everyone knows, today are smartphones and tablets more powerful than pc's. So, it was very important for SAP to find a solution and its was SAP Fiori - "One UX for all SAP Products". Fiori is based on a framework known as SAPUI5 which is built on top of HTML5 and is compatible with any device and any screen size. The first announcement from SAP about Fiori was in May 2013 with the first release of 25 transactional Fiori apps for the most common business functions, such as self-services tasks which known as ESS/MSS. Today, there are more than 1140 true Fiori apps available in Fiori library. The number of apps can partially supplement the previous GUI transactions. SAP offers three types of Fiori apps with different database requirements. A distinction is made between Transactional apps, Analytical apps and factsheets. Only Transactional apps can run on any database that supports SAP ERP. The other 2 types require SAP HANA as database. Since 2013, Fiori has made great progress and will continue in the coming years. You've worked with ABAP, SAP

Fiori, and OData--now see how these technologies and more come together in the ABAP RESTful programming model! Build on your expertise to create cloud-ready applications for SAP S/4HANA and deploy applications to the SAP Fiori launchpad. Manage applications with Git version control, automated testing, and continuous integration. Make the new model work for you! 1) ABAP RESTful programming model 2) End-to-end development 3) SAP S/4HANA 4) SAP Fiori Elements 5) Business objects 6) Deployment 7) Core data services (CDS) 8) OData services 9) Automated testing 10) Continuous integration 11) SAP Cloud Platform

a. ABAP RESTful Programming Model Develop web-based SAP HANA-optimized ABAP applications for SAP S/4HANA. Master the new ABAP RESTful programming model, from queries, business objects, and business services, to its relationship to SAP Fiori and SAP Gateway.

b. SAP Fiori Elements and Freestyle Applications Get the step-by-step instructions you need to create list reports, overview pages, analytical list pages, and freestyle applications. See how the ABAP RESTful programming model incorporates core data services, business object behaviors, OData, and more.

c. Deployment and Operations Once your applications are developed, deploy them to the SAP Fiori launchpad. Implement Git version control, automated backend and frontend testing, and continuous integration. This book explains the functional scope, the data model, the solution architecture, the underlying engineering concepts, and the programming model of SAP S/4HANA as the most well-known enterprise resource planning (ERP) system. The approach is to start with general concepts and then to proceed step-by-step to concrete implementations in SAP S/4HANA. In the first part the reader learns about the market view of ERP solutions and vendors. The second part deals with the business processes for sales, marketing, finance, supply chain, manufacturing, services, procurement, and human resources which are covered with SAP S/4HANA. In the third part the underlying concepts of SAP

S/4HANA are described, for example in-memory storage, analytics and search, artificial intelligence, process and data integration, security and compliance, lifecycle management, performance and scalability, configuration and implementation. The book is concluded with a final chapter explaining how to deploy an appliance to explore SAP S/4HANA. The target audience for the book are managers and business analysts who want to understand the market situation and future ERP trends, end users and process experts who need to comprehend the business processes and the according solution capabilities provided with SAP S/4HANA, architects and developers who have to learn the technical concepts and frameworks for enhancing SAP S/4HANA functionality, and consultants and partners who require to adopt and configure SAP S/4HANA. Developers! Make the grade with this SAP Cloud Platform certification study guide. From application development and integration to mobile services and the Internet of Things, this guide will review the key technical and functional knowledge you need to pass with flying colors. Explore test methodology, key concepts for each topic area, and practice questions and answers to solidify your knowledge. Your path to SAP Cloud Platform certification begins here!

- a. Test Structure Prepare with up-to-date information on each topic covered in the C_CP_13 exam, including application development, extension, and integration.
- b. Core Content Review major subject areas like architecture, the Cloud Foundry and Neo development environments, SAP Cloud Platform Internet of Things, and SAP Cloud Platform Mobile Services. Then dial in with important terminology, and key takeaways for each subject.
- c. Q&A After reviewing chapters, test your skills with in-depth questions and answers for each section and improve your test-taking skills.

- 1) C_CP_13
- 2) Architecture
- 3) Development, extension, and integration
- 4) SAP Cloud Platform Mobile Services
- 5) SAP Cloud Platform Internet of Things
- 6) SAP Cloud Platform SDK
- 7) SAP Cloud Platform SDK for the Neo environment
- 8)

Cloud Foundry 9) Java 10) SAP HANA XS 11) SAPUI5 Transform your apps from simple Hello, World examples to enterprise-grade applications with this guide to SAPUI5 Get the know-how to develop MVC apps, use OData, create data bindings, debug and test code, and more. Learn the dos and don'ts of SAPUI5 and everything in between, whether you're implementing CRUD operations or writing your own controls. The dawn of the user is here. Can your apps keep up? a. Dive In Everyone's got to start somewhere. Your journey begins with an overview of the SAPUI5 architecture and a Hello, World example for a single page application. Learn about the core building blocks, controls, and functionality of SAPUI5. b. Build Learn about MVC applications, model types, and CRUD operations for connecting services. Then implement OData protocols, design application patterns, and apply advanced concepts to take your apps to the next level. c. Enhance Add the finishing touches to your app, with details on enterprise-grade features for security, theming, performance, and accessibility. Debug and test your code for flawless deployment. Highlights: Design and build apps MVC Models and data binding OData CRUD and REST Debug and test App deployment Eclipse SAP Web IDE SAP Fiori SAP HANA Cloud Platform Connect your SAP system and the world of OData with this comprehensive guide to SAP Gateway Begin with the basics, then walk through the steps in creating SAP Gateway and OData services. Expand your skills further, with how-tos on developing SAPUI5 apps with the SAP Web IDE; building SAP Fiori, mobile, and enterprise applications; and performing administrative tasks for lifecycle management and security. Explore the latest trends and technologies, and map out your OData future a. Deployment, Installation, Configuration Get started Discover the various deployment options for SAP Gateway, and get step-by-step instructions for installation and configuration. b. SAP Gateway and OData Services Create Walk through the specific tools for and steps in creating SAP Gateway and OData services. Then learn

how to extend your existing services, including redefining services and customizing SAP Fiori apps. c. Application Development

Develop Learn how OData and SAP Gateway are used in SAPUI5, SAP Fiori, mobile, social media, and enterprise applications. Highlights: SAP Gateway installation and deployment Service creation and deployment Mobile development Social media development Security Lifecycle management SAPUI5 SAP Web IDE SAP Fiori SAP HANA Want to extend SAP SuccessFactors? Develop a native SAP HANA application? Code SAPUI5? Guess what: SAP HANA Cloud Platform can do it all. With this book, get the basics of SAP HCP, and then take the next steps. You'll learn how to create, deploy, and secure applications, and also explore SAP HANA Cloud Portal and SAP HANA Cloud Integration. There's more to cloud than fluff--find out what it is. Highlights: IaaS, PaaS, SaaS SAP HANA Cloud Tooling Application design Application deployment SAPUI5 Security Cloud services SAP HANA Portal Hybrid applications Online/offline applications

SAPUI5 / OpenUI5 is the top trend in the SAP Technical marketplace and almost all the major projects now require this skill-set. The development with SAP UI5 / Open UI5 involves new and cutting edge technologies, responsible for bringing a lot of aspects related to web app development, which makes it difficult to learn. This book is the final result of months of preparation and planning to compile all the details in making the learning process easy, complete and fast. What are benefits of this book: If you want to learn SAPUI5 / Open UI5 then this book will be for you: it comes with rich content that takes you from writing a simple "Hello World" app to building your own responsive SAP UI5 complex app. The majority of the content is hands-on, which involves a lot of challenges and exercises and makes the book interesting and engaging. The book covers not only individual topics but also describes real world scenarios where the concepts are used. It shares SAPUI5 best practices of implementing a concept to a real SAP global project. The

examples were carefully selected to make the book fun and interesting to learn. The development scenarios include simulating common mistakes that UI5 developers frequently make, so they can learn exactly how to fix fast. The book gives importance to all aspects of SAPUI5 / OpenUI5 development, may it be wire-framing, design and analysis, development or styling and theming. And finally, it shares information about lots of tools and plugins, which will boost the developers' productivity and efficiency.

Modernize your user experience with this guide to developing and implementing SAP Fiori applications. Begin by installing and configuring the system for SAP Fiori. Then, learn to implement transactional, analytical, and fact sheet apps on an AS ABAP or SAP HANA database. Customize further by creating, developing, and extending your apps using the SAP Web IDE environment. Are you ready to beautify your UI? Installation and Configuration Using step-by-step instructions, walk through the backend and frontend installations for SAP Fiori, before moving on to configuring all the necessary components and product-specific add-ons. Implementing Apps Learn how to perform the server tasks needed for implementing transactional, analytical, and fact sheet applications on an AS ABAP or SAP HANA database. Developing Apps Employ common workflow modifications and connect with other SAP products as you develop and extend your apps in the SAP Web IDE environment.

Highlights: Installation and configuration
Creating, extending, and implementing apps
Transactional apps
Fact sheet apps
Analytical apps
OData and SAP Gateway
SAPUI5 Security
Web IDE
SAP Fiori Client
SAP Fiori Launchpad
Learn how to fuse today's data science tools and techniques with your SAP enterprise resource planning (ERP) system. With this practical guide, SAP veterans Greg Foss and Paul Modderman demonstrate how to use several data analysis tools to solve interesting problems with your SAP data. Data engineers and scientists will explore ways to add SAP data to their analysis processes, while

SAP business analysts will learn practical methods for answering questions about the business. By focusing on grounded explanations of both SAP processes and data science tools, this book gives data scientists and business analysts powerful methods for discovering deep data truths. You'll explore:

- Examples of how data analysis can help you solve several SAP challenges
- Natural language processing for unlocking the secrets in text
- Data science techniques for data clustering and segmentation
- Methods for detecting anomalies in your SAP data
- Data visualization techniques for making your data come to life

SAP BTP, ABAP environment requires specialized knowledge of language limits and development environment--let this book be your guide! Begin by provisioning a trial instance and setting up ABAP Development Tools in Eclipse. Then, walk step-by-step through building an app using the ABAP RESTful application programming model, developing backend services, and creating SAP Fiori apps. Connect your cloud-based ABAP applications to on-premise and cloud systems and learn how to manage and maintain those applications. ABAP's not dead, it's in the cloud!

Highlights include: 1) ABAP Development Tools in Eclipse 2) SAP BTP, Cloud Foundry environment 3) ABAP RESTful application programming model 4) Application development 5) Backend services 6) SAP Fiori 7) Consuming APIs 8) Identity and access management 9) Application lifecycle management 10) Monitoring and security

Take your SAP ABAP skills to the next level by mastering ABAP programming techniques with the help of real-world examples

Key Features

- Become adept at building interfaces and explore ABAP tools and techniques
- Discover the modern functionalities available in the latest version of ABAP
- Learn the process of creating stunning HTML5 applications using SAPUI5

Book Description Advanced Business Application Programming (ABAP) is an established and complex programming language in the IT industry. This book is designed to help you use the latest ABAP techniques and apply legacy constructions using

practical examples. You'll start with a quick refresher on language and database concepts, followed by agile techniques for adding custom code to a modern ABAP system. After this, you will get up to speed with the complete ABAP toolset for importing data to and from different environments. Next, you'll learn how to print forms and work with the different ABAP tools for Extensible Markup Language (XML) manipulation. While covering further chapters, you'll gain insights into building stunning UI5 interfaces, in addition to learning how to develop simple apps using the Business Object Processing Framework (BOPF). You will also pick up the technique of handling exceptions and performing testing in ABAP. In the concluding chapters, you can look forward to grasping various techniques for optimizing the performance of programs using a variety of performance analysis tools. By the end of this book, you will have the expertise you need to confidently build maintainable programs in Systems, Applications, and Products (SAP). What you will learn

- Create stable and error-free ABAP programs
- Leverage new ABAP concepts including object-oriented programming (OOP) and Model-View-Controller (MVC)
- Learn to add custom code to your existing SAP program
- Speed up your ABAP programs by spotting bottlenecks
- Understand techniques such as performance tuning and optimization
- Develop modern and beautiful user interfaces (UIs) in an ABAP environment
- Build multiple classes with any nesting level

Who this book is for This book is for developers who want to learn and use ABAP skills to become an industry expert. Familiarity with object-oriented programming concepts is expected. Overwhelmed with the options for building mobile apps with SAP UI5? This guide offers a comprehensive introduction to SAP UI5 mobile apps in Eclipse, SAP Cloud Platform, and Microsoft Visual Studio. Explore how to build business and data-driven applications using different platforms to deploy hybrid applications to multiple devices. Walk through the different environments that can be used with SAP UI5. Review best

practices for leveraging the Model View Controller (MVC). Examine the advantages of development in an Eclipse environment, along with how to leverage SAP Mobile SDK and the SAP Gateway. By using detailed examples, tips, and screenshots, the author brings readers quickly up to speed on the fundamentals of building mobile apps: - Introduction to mobile and SAP UI5 development - Steps for building mobile apps in Eclipse, SAP Cloud Platform, and Microsoft Visual Studio - How to deploy apps to multiple devices - Advantages and disadvantages of using different environments A practical handbook packed with expert advice on architectural considerations for designing solutions using SAP BTP to drive digital innovation Purchase of the print or Kindle book includes a free eBook in the PDF format Key FeaturesGuide your customers with proven architectural strategies and considerations on SAP BTP Tackle challenges in building process and data integration across complex and hybrid landscapes Discover SAP BTP services, including visualizations, practical business scenarios, and more Book Description SAP BTP is the foundation of SAP's intelligent and sustainable enterprise vision for its customers. It's efficient, agile, and an enabler of innovation. It's technically robust, yet its superpower is its business centricity. If you're involved in building IT and business strategies, it's essential to familiarize yourself with SAP BTP to see the big picture for digitalization with SAP solutions. Similarly, if you have design responsibilities for enterprise solutions, learning SAP BTP is crucial to produce effective and complete architecture designs. This book teaches you about SAP BTP in five parts. First, you'll see how SAP BTP is positioned in the intelligent enterprise. In the second part, you'll learn the foundational elements of SAP BTP and find out how it operates. The next part covers integration architecture guidelines, integration strategy considerations, and integration styles with SAP's integration technologies. Later, you'll learn how to use application development capabilities to extend enterprise solutions for

innovation and agility. This part also includes digital experience and process automation capabilities. The last part covers how SAP BTP can facilitate data-to-value use cases to produce actionable business insights. By the end of this SAP book, you'll be able to architect solutions using SAP BTP to deliver high business value. What you will learn

Explore value propositions and business processes enabled by SAP's Intelligent and Sustainable Enterprise

Understand SAP BTP's foundational elements, such as commercial and account models

Discover services that can be part of solution designs to fulfill non-functional requirements

Get to grips with integration and extensibility services for building robust solutions

Understand what SAP BTP offers for digital experience and process automation

Explore data-to-value services that can help manage data and build analytics use cases

Who this book is for

This SAP guide is for technical architects, solutions architects, and enterprise architects working with SAP solutions to drive digital transformation and innovation with SAP BTP. Some IT background and an understanding of basic cloud concepts is assumed. Working knowledge of the SAP ecosystem will also be beneficial.

ABAP to the Future is back, and better than ever! Looking for the latest in ABAP syntax? The code examples are fully rewritten. Need to start working in the cloud with the ABAP RESTful application programming model? We've got you covered. Got a new IDE like SAP Business Application Studio? We'll show you the ins and outs of your environment.

From abapGit and ABAP2XLSX to SAPUI5 and Web Dynpro ABAP, this new edition has everything you need to be on the cutting edge!

Capturing global market using sap tools, techniques & best practices

DESCRIPTION The book has been written in such a way that the concepts are explained in detail, giving adequate emphasis on examples. To make clarity of the programming examples, logic is explained properly as well discussed using comments in program itself. The book covers the topics right from the start of the software using snapshots of starting the software

and writing programs into it. The real-time examples are discussed in detail from simple to complex taking into consideration the requirement of IT consultants. Various sample projects are included in the Book and are written in simple language so as to give IT consultants the basic idea of developing projects in SAP. The examples given in book are user-focused and have been highly updated including topics, figures and examples. The book features more on practical approach with more examples covering topics from simple to complex one addressing many of the core concepts and advance topics also. **KEY FEATURES** Comprehensive coverage of SAP UI5, Fiori, Webdynpro, Object oriented ALV with SALV Factory method laying more stress on Realtime case studies. The Book also covers numerous practical examples on LSMW tool, ALE, IDOC, SAP Query tool, SAP Quick viewer tool, SAP Report Painter tool, BAPI, Web services, DME tool, SAP MDM data conversion Simple language, crystal clear approach, straight forward comprehensible presentation. Adopting user-friendly classroom lecture style. The concepts are duly supported by several examples. The Book cover the topics in a manner which fulfil the skill gap among industry and academia. Examples discussed on SAP tools, methodologies and techniques are helpful for developing projects for IT consultants. **WHAT WILL YOU LEARN** This book will need to have title for various reasons as articulated below. Gaining Customers by adopting and implementing different SAP tools, methodologies and techniques in organizations / projects / programs Help in sustaining Customer Relationships as the core of all successful working relationships are two essential characteristics: trust and commitment Help in delivering Superior Value and Getting an Equitable Return as understanding value in business markets and doing business based on value delivered gives suppliers the means to get an equitable return for their efforts This document is a compilation of SAP ABAP/4 coding and efficiency standards

and will provide guidance in creating readable, maintainable code. It is intended for all developers in the SAP R/3 system. This book may work as dictionary and generates a comprehensive list of value elements WHO THIS BOOK IS FOR SAP Consultants, SAP technical, Business analysts, Architects, Team Leads, Project Leads, Project Managers, Account Manager, Account Executives, CEO, CTO, COO, CIO, Sr. VP, Directors. Table of Contents

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SAPUI5 has quickly become the open-source programming language with the best options for responsive and versatile SAP app development. So how well do you speak SAPUI5, and what can you do with it? Learn to develop next-generation UIs for mobile-ready, data source-agnostic, client-side SAP applications. First review basic HTML5 and CSS3, JavaScript, and jQuery concepts as a foundation for working with SAPUI5, and then explore the development and runtime environments, tools, and controls that you'll use throughout the design process. Use step-by-step instructions, sample code listings, and a full-scale model application to develop and customize your own apps with advanced functionality from the SAP system. The future of app

development has arrived--make sure you can speak its language.

1. Basic Concepts Learn the standards of SAPUI5--HTML5, CSS3, JavaScript, and the jQuery library--so you don't have to reinvent the wheel every time
2. SAPUI5 Runtime Environment Use bootstrapping, data binding, and theming elements to ensure that your applications run smoothly on operating systems and that the software modules can be reused.
3. SAPUI5 in SAP HANA Develop your own application on the XS Engine in SAP HANA. Then construct a calculation view and use it as an OData service.
4. UI Components and Controls Implement the SAPUI5 controls and elements you've learned in a detailed employee portal example.
5. Mobile Development Explore the mobile capabilities of SAPUI5 and SAP Fiori by developing your own cross-platform Hybrid Web Container applications for multiple devices.

Highlights: HTML5 and CSS3 JavaScript and jQuery SAP Gateway and OData SAPUI5 IDE SAPUI5 libraries Model, view, and layout types Application architecture SAPUI5 file optimization Model-view-controller paradigm Customization SAP HANA views SAPUI5 for mobile devices Eclipse Your guide to end-to-end SAP development is here! From the database to the user interface, you'll learn what it takes to create applications as a full stack developer. See how to use SAPUI5, OData, CDS, TypeScript, and SAP Fiori elements in your applications. Get detailed, step-by-step instructions for working with OData V4 and V2, including developing applications using the ABAP RESTful application programming model and creating projects in Transaction SEGW. Extend and deploy your applications--then you're ready to go! Highlights include: 1) SAPUI5 2) SAP Fiori elements 3) OData V4 and OData V2 4) Core data services (CDS) 5) TypeScript 6) SAP Cloud Application Programming Model 7) ABAP RESTful application programming model 8) Transaction SEGW 9) User interface development 10) Flexible programming model 11) Extensibility 12) Deployment Develop cloud applications customized for your business needs! Master the basics of SAP

Business Technology Platform (SAP BTP) and its development environments; then get step-by-step instructions for developing and operating your own applications. Build your backend with Java, Node.js, or ABAP, and set up your frontend using SAPUI5 and SAP Fiori. With detailed code examples throughout, this book is your complete guide to building cloud applications on SAP BTP! SAP Fiori strategy, standards, and guidelines -- SAP cloud platform and web IDE basics -- Extensibility in SAPUI5 -- Deployment

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