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First Steps for Building SAP UI5 Mobile Apps Getting Started with SAPUI5 Sapui5 SAP Tools Architecting Solutions with SAP Business Technology Platform Beginning SAP Fiori Practical Data Science with SAP Mastering SAP ABAP Specification Mining on the User Interface Level SAP Fiori Elements Clean SAPUI5 Sapui5 Learn SAP(R) Ui5 SAP Gateway 2.0 and OData Full Stack Development with SAP SAP Business ByDesign Studio SAP Build SAP Cloud Platform SAPUI5 and Fiori. Status and Future Perspective SAP Fiori Implementation and Development *Burdwell Robert Miroslav Antolovic Christiane Goebels Sudipta Malakar Serdar Simsekler Bince Mathew Greg Foss Pawe Grze kowiak Fabian Richter Rene Glavanovits Daniel Bertolozi Rene Glavanovits Nuno Correia Ralph Waldmann Rene Glavanovits Thomas Schneider Rene Glavanovits Gairik Acharya Rohan Ahmed Anil Bavaraju*

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

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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

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- 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 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

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

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master s thesis from the year 2012 in the subject computer science software grade 1 0 technical university of darmstadt secure software engineering group language english abstract in this thesis we propose another approach targeted at web applications that use ajax html5 and other modern web technologies to achieve a look and feel that is only known by desktop applications these web applications are also referred to as rich internet application ria the user interface is a part of an application the same way its business logic is this requires software engineers to test the user interface to verify its correctness to the same extend they test the rest of the application but testing graphical user interfaces is a tedious task without standardized testing technologies engi neers use for business logic verification like unit testing to address this shortcoming research groups applied the concept of model based testing to user interface testing in model based testing an abstraction of the actual graphical user interface is used and test sequences are generated from the model the model as a formal specification can also be checked by a model checker or pose as a test oracle to validate the

correctness of the application ideally such a model or specification can be generated or mined by an automated process this process is usually referred to as specification mining and relieves the test engineer of the task to keep the specification up to date many tools and approaches have been proposed to target different kinds of applications and properties that the mining tool infers at europe s biggest software company sap where this thesis was manufactured many rias are being developed based on a user interface library called sapui5 this library helps developers to create uniform looking rias to test their graphical user interface and ensure quality software our approach supports this testing process by using a web crawler known from search engines to automatically infer a specification or model from these interfaces we achieved this by modifying the ajax capable crawler crawljax by a mesbah and using a new more efficient and modular state abstraction based on xpath expressions our crawljaxxt also addresses many bugs and shortcomings of the original crawljax and thus allows for reliable creation of complete user interface models without overly detailed state abstractions concluding we successfully evaluated our mined models and its testing capabilities with a modified version of the free model based testing tool graphwalker

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FAQs

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