

# Liferay Client Extension Development



# Liferay Development Guide

**Richard Sezov**



## **Liferay Development Guide:**

Liferay in Action Rich Sezov, 2011-09-19 Summary Liferay in Action is a comprehensive and authoritative guide to building portals on the Liferay 6 platform Fully supported and authorized by Liferay this book guides you smoothly from your first exposure to Liferay through the crucial day to day tasks of building and maintaining an enterprise portal that works well within your existing IT infrastructure About the Technology A portal is a website built around a collection of components that request display and share information Liferay Portal 6 an enterprise ready development platform makes it a snap to build portals that integrate with your existing backend systems and provide a rich interactive user experience Because Liferay uses standard Java and JavaScript along with built in SOAP and JSON support for web services developers can be productive immediately And since it s available in both a free open source version as well as a fully supported commercial edition it s an affordable solution for almost any business or organization About the Book Liferay in Action is the official guide to building Liferay portal applications using Java and JavaScript If you ve never used Liferay before don t worry This book starts with the basics setting up your development environment and creating a working portal Then it builds on that foundation to help you discover social features tagging ratings and more You ll also explore the Portlet 2.0 API and learn to create custom themes and reusable templates Experienced developers will learn how to use new Liferay APIs to build social and collaborative sites use the message bus and workflow implement indexing and search and more This book was developed in close collaboration with Liferay engineers so it answers the right questions and answers them in depth No experience with Liferay or the Portlets API is required but basic knowledge of Java and web technology is assumed Purchase of the print book comes with an offer of a free PDF ePub and Kindle eBook from Manning Also available is all code from the book What s Inside Complete coverage of Liferay Portal 6 Covers both the commercial and open source versions Custom portlet development using the Portlet 2.0 spec Liferay s social network API Add functionality with hooks and Ext plugins Table of Contents PART 1 WORKING WITH LIFERAY AND PORTLETS The Liferay difference Getting started with the Liferay development platform PART 2 WRITING APPLICATIONS ON LIFERAY S PLATFORM A data driven portlet made easy MVC the Liferay way Designing your site with themes and layout templates Making your site social Enabling user collaboration PART 3

## **CUSTOMIZING LIFERAY Hooks Extending Liferay effectively A tour of Liferay APIs      **Liferay Administrator's Guide****

Rich Sezov, 2008-04-01 The Liferay Portal Administrator s Guide is your complete guide to installing integrating configuring and maintaining a Liferay Portal server This comprehensive guide will show you how to bring up a Liferay Portal server and keep it running From installing a bundle to configuring a Liferay cluster every aspect of running Liferay Portal is covered

Liferay Administrator's Guide, 2nd Edition Richard Sezov, 2008 The Liferay Portal Administrator s Guide is your complete guide to installing integrating configuring and maintaining Liferay Portal This comprehensive guide will show you how to install Liferay Portal configure it for your use and maintain your Liferay powered site on a day to day basis From installing a

bundle to configuring a Liferay cluster every aspect of running Liferay Portal is covered This newly updated guide is your roadmap to a successful implementation of Liferay Portal Now covering Liferay Portal 5.1 and below this book contains the information you need to keep your portal environment running smoothly

**Liferay Portal Systems Development** Jonas X Yuan, Dr., Jonas X. Yuan, 2012-01-26 This book focuses on teaching by example Every chapter provides an overview and then dives right into hands on examples so you can see and play with the solution in your own environment This book is for Java developers who don't need any prior experience with Liferay portal Although Liferay portal makes heavy use of open source frameworks no prior experience of using these is assumed

**Liferay Portal 6.2 Enterprise Intranets** Navin Agarwal, 2015-08-28 A practical guide to adopting portal development best practices in an Enterprise world About This Book Discover the new features and updates in Liferay including the concept of CMS and collaboration applications with relevant examples and screenshots Set up the navigation structure for the Enterprise intranet Full of illustrations diagrams clear step by step instructions and practical examples to show you the integration between different applications such as LDAP SSO and Liferay Social Office Who This Book Is For This book is for anyone who is interested in the Liferay Intranet Portal This book is for both beginners and more experienced portal developers who need to create an enterprise intranet portal for their business It will be handy for IT professionals who know the basics of how the portal technology works and need to integrate different open source technologies What You Will Learn Be introduced to the all new features of Liferay 6.2 Understand the different controls actions to make the portal work for an Enterprise Manage users organizations sites user groups and roles and also set up portal permissions Set up a forum and get detailed descriptions of categorization tagging and Asset Publisher Enable Wiki to share knowledge among users and create new dynamic data list and poll portlets Handle federated search and OpenSearch and deploy search based portlets Implement web content management with a different approach in the portal Employ community tools such as invitations bookmarks page comments and page ratings Manage Liferay's document and media portlet In Detail To develop an intranet portal for an Enterprise Liferay is the only open source portal development platform that has a high scale graph for the developer to extend any component It provides high end integration with other applications By using this book both beginners and more experienced users will be able to create an intranet portal easily This book will be your pocket reference to Liferay It will explain to you the new features of Liferay including Liferay Sync and the Recycle Bin It will help you to integrate with other key applications such as LDAP SSO and Alfresco 4.x and above You will be introduced to documents web content and image management You will move onto Liferay Sync's new tool to synchronize documents and media files to the local system You'll discover the Market Place the newest feature of Liferay Liferay Social Office and its integrations are also thoroughly explained This book is packed with practical examples that will help you to develop an intranet portal quickly and easily Style and approach Clear step by step instructions to develop an intranet portal for Enterprise It describes new features and updates in Liferay with clear explanations and is complete with

images tips and tricks      *Alfresco Developer Guide* Jeff Potts,2008-10-31 Customizing Alfresco with actions web scripts web forms workflows and more      *A Complete Guide to Portals and User Experience Platforms* Shailesh Kumar Shivakumar,2015-09-25 Build a Next Generation Enterprise Digital Platform with Portals and UXPA Complete Guide to Portals and User Experience Platforms provides in depth coverage of portal technologies and user experience platforms UXPs which form the key pillars of a modern digital platform Drawing on his experience in various roles in numerous portal engagements      *Practical Liferay* Poornachandra Sarang,2009-07-10 Liferay Portal is the leading open source enterprise portal framework that uses Java and Web 2 0 technologies Web portals often function as a point of access to information on the World Wide Web Web portals such as Yahoo present information from diverse sources in a unified way Aside from the search engine standard web portals offer other services such as e mail news stock prices infotainment and various other features Portals provide a means for enterprises to supply a consistent look and feel with access control and procedures for multiple applications that otherwise would have been separate entities altogether So how do developers bring existing applications as well as integrate content management systems and search engines into a portal And how do developers get started with the Liferay Portal engine In *Practical Liferay Java based Portal Applications Development* Dr Poornachandra Sarang answers these questions and more This book is for those who want to learn how to use Liferay to develop vertical or company specific web portals and beyond The book will serve as a practical guide to learning Liferay and developing real world web portals      **Digital Java EE 7 Web Application Development** Peter Pilgrim,2015-09-30 Develop Java enterprise applications to meet the emerging digital standards using Java EE 7 About This Book Build modern Java EE web applications that insert update retrieve and delete customer data with up to date methodologies Delve into the essential JavaScript programming language and become proficient with front end technologies that integrate with the Java platform Learn about JavaServer Faces its lifecycle and custom tags and build exciting digital applications with the aid of handpicked real world examples Who This Book Is For If you are a professional Java engineer and want to develop well rounded and strong Java Web Development skills then this book is for you What You Will Learn Understand and apply updated JavaServer Faces key features including HTML5 support resource library constructs and pass through attributes Build web applications that conform to digital standards and governance and leverage the Java EE 7 web architecture Construct modern JSF Forms that apply validation add AJAX for immediate validation and write your own validators Augment a traditional web application with JSF 2 2 Flow Beans and Flow Scope Beans Program single page applications including AngularJS and design Java RESTful back end services for integration Utilize modern web frameworks such as Bootstrap and Foundation in your JSF applications Create your own JSF custom components that generate reusable content for your stakeholders and their businesses In Detail Digital Java EE 7 presents you with an opportunity to master writing great enterprise web software using the Java EE 7 platform with the modern approach to digital service standards You will first learn about the lifecycle and phases of

JavaServer Faces become completely proficient with different validation models and schemes and then find out exactly how to apply AJAX validations and requests Next you will touch base with JSF in order to understand how relevant CDI scopes work Later you ll discover how to add finesse and pizzazz to your digital work in order to improve the design of your e commerce application Finally you will deep dive into AngularJS development in order to keep pace with other popular choices such as Backbone and Ember JS By the end of this thorough guide you ll have polished your skills on the Digital Java EE 7 platform and be able to creat exiting web application Style and approach This book takes a step by step and detailed approach coaching you through real world scenarios The book s style is designed for those who enjoy a thorough educational approach

**Model-Driven Engineering and Software Development** Philippe Desfray,Joaquim Filipe,Slimane Hammoudi,Luís Ferreira Pires,2016-01-04 This book constitutes thoroughly revised and selected papers from the Third International Conference on Model Driven Engineering and Software Development MODELSWARD 2015 held in Angers France in February 2015 The 25 thoroughly revised and extended papers presented in this volume were carefully reviewed and selected from 94 submissions They are organized in topical sections named invited papers modeling languages tools and architectures methodologies processes and platforms applications and software development

**Professional Sitecore 8 Development** Phil Wicklund,Jason Wilkerson,2016-11-18 Structure templates and content within Sitecore work with integrated tools and leverage its extensive automation capabilities Sitecore was recently recognized as one of the most reputable and reliable enterprise class web content management solutions WCMS available in the marketplace Thousands of companies are using Sitecore to manage their digital experiences online Because Sitecore is such a large complex platform developers often have a hard time coming up to speed even after completing a Sitecore training course for developers However leveraging the design patterns and other practices laid out in this book will make that transition much easier Professional Sitecore 8 Development provides a soup to nuts approach for a Sitecore rookie to come up to speed quickly as well as provide more advanced techniques for seasoned veterans that they may not be exposed to otherwise Key coverage areas include Getting started with Sitecore development Front end development techniques Incorporating design patterns into your Sitecore solutions Unit testing Sitecore applications Programming Sitecore s marketing capabilities Sitecore automation with PowerShell Advanced development techniques What you ll learn Develop solutions on the Sitecore platform Come up to speed on Sitecore without going through a training class Build front end HTML CSS Angular etc solutions as well as back end C solutions on Sitecore Incorporate design patterns into your Sitecore solutions Make use of advanced Sitecore development techniques Who This Book Is For The book is a developer s companion both front end and back end developers The target audience is both developers who have zero Sitecore experience as well as seasoned veterans looking for advanced best practices A secondary audience would be Sitecore administrators who would benefit from discussions around performance tuning and security

**Guide for Databricks® Spark Scala CRT020 Certification** Rashmi Shah, Apache

Spark is one of the fastest growing technology in BigData computing world It supports multiple programming languages like Java Scala Python and R Hence many existing and new framework started to integrate Spark platform as well in their platform e g Hadoop Cassandra EMR etc While creating Spark certification material HadoopExam technical team found that there is no proper material and book is available for the Spark version 2 x which covers the concepts as well as use of various features and found difficulty in creating the material Therefore they decided to create full length book for Spark Databricks CRT020 Spark Scala Python or PySpark Certification and outcome of that is this book In this book technical team try to cover both fundamental concepts of Spark 2 x topics which are part of the certification syllabus as well as add as many exercises as possible and in current version we have around 46 hands on exercises added which you can execute on the Databricks community edition because each of this exercises tested on that platform as well as this book is focused on the Scala version of the certification hence all the exercises and their solution provided in the Scala We have divided the entire book in the 13 chapters as you move ahead chapter by chapter you would be comfortable with the Databricks Spark Scala certification CRT020 All the exercises given in this book are written using Scala However concepts remain same even if you are using different programming language

**Liferay Portal Performance Best Practices** Samir Bhatt,2013-06-10 A step by step tutorial on implementing Liferay based portals to learn performance best practices The book is good for Liferay portal developers and architects who want to learn performance best practices for implementing Liferay based solutions It is assumed that you have a working knowledge of the Liferay portal

Pivotal Certified Spring Web Application Developer Exam Iuliana Cosmina,2015-12-11 Prepare for the Pivotal Certified Spring Web Application Developer exam and learn about Spring MVC DispatcherServlet configuration Spring MVC programming model essentials Spring MVC views and form processing Spring Web Flow essentials and Spring Web Flow actions and configuration The Pivotal Certified Spring Web Application Developer Exam A Study Guide is the ideal preparation for the exam and after reading and using it you ll be able to pass and become a certified Spring Web Developer When you become a Pivotal Certified Spring Web Application Developer you ll receive one of the most valuable credentials available in enterprise Java Achieving this certification demonstrates your ability to apply Spring s web projects to develop real world Java web applications and validates your familiarity with Spring Web

Theory, Practice, and Guidelines for Communicating Health and Pandemics in Africa Emmanuel K. Ngwainmbi,Levi Zeleza Manda,2023-04-17 This book provides the theoretical and historical context of the practice guidelines and tools for covering health pandemics sanitation education and development in Africa It will appeal to public health based communicators in public health and advocacy degree programs media students citizen journalists and teachers of health pandemics development and sanitation communication journalism In addition the book will assist Ministries of Communication international development agencies interested in working with journalists in matters of health and sanitation and non governmental health practitioners like Doctors without Borders

Liferay 6.x Portal Enterprise

Intranets Cookbook Piotr Filipowicz,Katarzyna Ziółkowska,2015-05-30 If you are a Java developer or administrator with a technical background and want to install and configure Liferay Portal as an enterprise intranet this is the book for you In short reusable recipes help you realize business goals as working features in Liferay This book will also give you useful hints on how to easily improve the default functionality of the system and its performance MySQL 8 Administrator's Guide Chintan Mehta,Ankit K Bhavsar,Hetal Oza,Subhash Shah,2018-02-15 Step by step guide to monitor manage and secure your database engine Key Features Your companion to master all the administration related tasks in MySQL 8 Ensure high performance and high availability of your MySQL solution using effective replication and backup techniques A comprehensive guide to performing query optimization security and a whole host of other administrative tasks in MySQL 8 Book Description MySQL is one of the most popular and widely used relational databases in the world today The recently released version 8 0 brings along some major advancements in the way your MySQL solution can be administered This handbook will be your companion to understand the newly introduced features in MySQL and how you can leverage them to design a high performance MySQL solution for your organization This book starts with a brief introduction to the newly introduced features in MySQL 8 followed by quickly jumping onto the crucial administration topics that you will find useful in your day to day work Topics such as migrating to MySQL 8 MySQL benchmarking achieving high performance by implementing the indexing techniques and optimizing your queries are covered in this book You will also learn how to perform replication scale your MySQL solution and implement effective security techniques A special section on the common and not so common troubleshooting techniques for effective MySQL administration is also covered in this book By the end of this highly practical book you will have all the knowledge you need to tackle any problem you might encounter while administering your MySQL solution What you will learn Understanding different MySQL 8 data types based on type of contents and storage requirements Best practices for optimal use of features in MySQL 8 Explore globalization configuration and caching techniques to improve performance Create custom storage engine as per system requirements Learn various ways of index implementation for flash memory storages Configure and implement replication along with approaches to use replication as solution Understand how to make your MySQL 8 solution highly available Troubleshoot common issues and identify error codes while using MySQL 8 Who this book is for This book is intended for MySQL administrators who are looking for a handy guide covering all the MySQL administration related tasks If you are a DBA looking to get started with MySQL administration this book will also help you Knowledge of the basic database concepts is required to get started with this book

HealthGrid Applications and Technologies Meet Science Gateways for Life Sciences S. Gesing,2012-05-10 The integration of grid cloud and other e infrastructures into the fields of biology bioinformatics biomedicine and healthcare are crucial if optimum use is to be made of the latest high performance and distributed computer technology in these areas Science gateways are concerned with offering intuitive graphical user interfaces to applications data and tools on distributed



computing infrastructures This book presents the joint proceedings of the Tenth HealthGrid Conference and the Fourth International Workshop on Science Gateways for Life Sciences IWSG Life held in Amsterdam Netherlands in May 2012 The HealthGrid conference promotes the exchange and debate of ideas technologies and solutions likely to promote the integration of grids into biomedical research and health in the broadest sense The IWSG Life workshop series is a forum that brings together scientists from the field of life sciences bioinformatics and computer science to advance computational biology and chemistry in the context of science gateways These events have been jointly organized to maximize the benefit from synergies and stimulate the forging of further links in joint research areas The book is divided into three parts Part I includes contributions accepted to the HealthGrid conference Part II contains the papers about various aspects of the development and usage of science gateways for life sciences The joint session is recorded in Part III and addresses the topic of science gateways for biomedical research The book will provide insights and new perspectives for all those involved in the research and use of infrastructures and technology for healthcare and life sciences

HDPSCD-Hortonworks® Spark Scala Certification Guide Rashmi Shah, Apache Spark is one of the fastest growing technology in BigData computing world It supports multiple programming languages like Java Scala Python and R Hence many existing and new framework started to integrate Spark platform as well in their platform e g Hadoop Cassandra EMR etc While creating Spark certification material HadoopExam technical team found that there is no proper material and book is available for the Spark version 2 x which covers the concepts as well as use of various features and found difficulty in creating the material Therefore they decided to create full length book for Spark HDPSCD Spark Scala Certification and outcome of that is this book In this book technical team try to cover both fundamental concepts of Spark 2 x topics which are part of the certification syllabus as well as add as many exercises as possible and in current version we have around 10 hands on exercises added which you can execute on the Hortonworks sandbox as this book is focused on the Scala version of the certification hence all the exercises and their solution provided in the Scala We have divided the entire book in the 7 chapters as you move ahead chapter by chapter you would be comfortable with the HDPSCD Spark Scala certification All the exercises given in this book are written using Scala However concepts remain same even if you are using different programming language

Test-Driven JavaScript Development Ravi Kumar Gupta, Hetal Prajapati, Harmeet Singh, 2015-12-18 Learn JavaScript test driven development using popular frameworks and tools About This Book Learn the life cycle of TDD and its importance in real world application Gain knowledge about popular tools and analyze features syntax and how they help in JavaScript testing Implement test driven programming exercises using the practical code examples Who This Book Is For If you have an intermediate knowledge of HTML CSS and JavaScript and want to learn how and why the test driven development approach is better for your assignments then this book is for you What You Will Learn Basic TDD fundamentals life cycle and benefits Become acquainted with the concepts and elements of unit testing and writing basic unit tests for JavaScript Understand the way

JsUnit Qunit Karma and DalekJs work Use the Jasmine framework Interpret feature detection and devise tests specific to cross browser compatibility Integrate jsTestDriver with Eclipse and run tests with jsTestDriver Explore re factoring adding and notifying observers Understand test driven development in case of server side JS In Detail Initially all processing used to happen on the server side and simple output was the response to web browsers Nowadays there are so many JavaScript frameworks and libraries created that help readers to create charts animations simulations and so on By the time a project finishes or reaches a stable state so much JavaScript code has already been written that changing and maintaining it further is tedious Here comes the importance of automated testing and more specifically developing all that code in a test driven environment Test driven development is a methodology that makes testing the central part of the design process before writing code developers decide upon the conditions that code must meet to pass a test The end goal is to help the readers understand the importance and process of using TDD as a part of development This book starts with the details about test driven development its importance need and benefits Later the book introduces popular tools and frameworks like YUI Karma QUnit DalekJS JsUnit and goes on to utilize Jasmine Mocha Karma for advanced concepts like feature detection server side testing and patterns We are going to understand write and run tests and further debug our programs The book concludes with best practices in JavaScript testing By the end of the book the readers will know why they should test how to do it most efficiently and will have a number of versatile tests and methods for devising new tests to get to work immediately Style and approach Easy to follow guide with suitable examples for developing JavaScript code in the test Driven environment with popular tools and frameworks User experience and statements are also included to help readers make a better choice of tool for real world projects

## Reviewing **Liferay Development Guide**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Liferay Development Guide**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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