



Quick answers to common problems

# Google Web Toolkit 2 Application Development Cookbook

Over 70 simple but incredibly effective practical recipes to develop web applications using GWT with JPA, MySQL, and iReport

Shamsuddin Ahammad

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# Google Web Toolkit 2 Application Development Cookbook Ahammad Shamsuddin

**Shamsuddin Ahammad**



## **Google Web Toolkit 2 Application Development Cookbook Ahammad Shamsuddin:**

Google Web Toolkit 2 Application Development Cookbook Shamsuddin Ahammad, 2010-11-24 Over 70 simple but incredibly effective practical recipes to develop web applications using GWT with JPA MySQL and i Report      **Google Web Toolkit 2 Application Development Cookbook** Shamsuddin Ahammad, 2010-11-24 Over 70 simple but incredibly effective practical recipes to develop web applications using GWT with JPA MySQL and i Report      **Essential GWT** Federico Kereki, 2010-07-28 With Google Web Toolkit Java developers can build sophisticated Rich Internet Applications RIAs and complete Web sites using the powerful IDEs and tools they already use Now with GWT 2 Google Web Toolkit has become even more useful **Essential GWT** shows how to use this latest version of GWT to create production solutions that combine superior style performance and interactivity with exceptional quality and maintainability Federico Kereki quickly reviews the basics and then introduces intermediate and advanced GWT skills covering issues ranging from organizing projects to compiling and deploying final code Throughout he focuses on best practice methodologies and design patterns For example you ll learn how to use the MVP model view presenter pattern to improve application design and support automated testing for agile development Kereki illuminates each concept with realistic code examples that help developers jump start their projects and get great results more quickly Working with the latest versions of open source tools such as Eclipse Subversion Apache Tomcat and MySQL he demonstrates exactly how GWT fits into real Web development environments Coverage includes Using the Google Plugin for Eclipse and the GWT Shell Script Detecting and working with browsers and solving the problems they cause Building better user interfaces with the MVP pattern Using APIs for visualization mapping weather data and more Internationalizing and localizing GWT code Securing GWT applications with cryptography hashing and encryption Testing with JUnit Emma GWTTestCase Selenium and Mock Objects Deploying client only and client plus server GWT applications      *Google Web Toolkit Applications* Ryan Dewsbury, 2007-12-05 Ryan clearly understands the GWT value proposition and how GWT integrates into a diverse web technology stack and not just in a theoretical way With the popularity of gpokr com and kdice com Ryan can speak with the authority of concrete success Bruce Johnson creator of Google Web Toolkit This book distinguishes itself from other books on GWT in that it walks through the entire process of building several nontrivial GWT applications not the toy applications that most books present R Mark Volkmann *Object Computing Inc* Google™ Web Toolkit Applications is an excellent resource for any GWT developer Solutions to challenges commonly encountered in GWT are presented through the design and development of actual applications The applications developed throughout the text demonstrate best practices from simple UI design all the way to custom code generation and are presented with little pretext about the amount of Java knowledge a given developer may have Advanced concepts are not withheld but are presented in a way that will be understood by both novice and seasoned developers alike Good application development practices and proper Model View Controller design is reinforced throughout the book nearly guaranteeing that

the reader will come away a better programmer Jason Essington Senior Web Java Engineer Green River Computing Dewsbury s Google™ Web Toolkit Applications is a book for both experts and beginner programmers who want to discover this open source Java software development framework as well as write Ajax applications A very detailed book Massimo Nardone Advisory IT Security Architect Accelerate and Simplify Ajax Development with Google Web Toolkit Get the edge you need to deliver exceptional user experiences with Google™ Web Toolkit Applications a guidebook that provides web developers with core information and instructions for creating rich web applications Whether you re a developer who needs to build a high performance front end for Java PHP or Ruby applications or to integrate with external web services this resource from expert Google Web Toolkit GWT developer Ryan Dewsbury delivers the in depth coverage you ll need In this valuable book insider Ryan Dewsbury provides instructions for using the robust tool set and gets you on your way to creating first class web applications by providing a comprehensive overview of GWT technology In addition he shares his in the trenches insights on Building elegant and responsive user interfaces with Cascading Style Sheets and GWT s Widgets and Panels Creating seamless user experiences through asynchronous communication with HTTP REST JSON JSONP and RPC Interoperating with web standards such as XML RSS and Atom and web services such as Google Maps Amazon Books Yahoo Search Flickr and Blogger Overcoming browser security restrictions such as HTTP s two connection limit and the Same Origin policy Accelerating development using software engineering code generation internationalization application patterns and Java tools Deploying for optimal performance with resource compression and caching Building five non trivial applications a gadget application with a rich drag and drop interface a multi search application that makes requests to many search engines a blog editor application for managing entries across multiple blogs a web based instant messenger and a database manager for a traditional web page This practical guide to GWT introduces you to the technology provides techniques tips and examples and puts you on the road to delivering top notch user experiences for your web applications

**Google Web Toolkit Solutions** David Geary,Rob Gordon,2007-11-07 Cu Google Web Toolkit GWT is an open source Java development framework for building Ajax enabled web applications Instead of the hodgepodge of technologies that developers typically use for Ajax JavaScript HTML CSS and XMLHttpRequest GWT lets developers implement rich client applications with pure Java using familiar idioms from the AWT Swing and SWT GWT goes beyond most Ajax frameworks by making it easy to build desktop like applications that run in the ubiquitous browser where the richness of the user interface is limited only by the developer s imagination This book focuses on the more advanced aspects of GWT that you need to implement real world applications with rich user interfaces but without the heavy lifting of JavaScript and other Ajax related technologies Each solution in this practical hands on book is more than a recipe The sample programs are carefully explained in detail to help you quickly master advanced GWT techniques such as implementing drag and drop integrating JavaScript libraries and using advanced event handling methodologies Solutions covered include Building custom GWT widgets

including both high level composites and low level components Implementing a viewport class that includes iPhone style automated scrolling Integrating web services with GWT applications Incorporating the Script aculo us JavaScript framework into GWT applications Combining Hibernate and GWT to implement database backed web applications Extending the GWT PopupPanel class to implement a draggable and resizable window Creating a drag and drop module complete with drag sources and drop targets Deploying GWT applications to an external server Dynamically resizing flex tables Using GWT widgets in legacy applications developed with other frameworks such as Struts and JavaServer Faces Complete Sample Code Available at [www.coolandusefulgwt.com](http://www.coolandusefulgwt.com) All of the code used in this book has been tested both in hosted and web modes and in an external version of Tomcat version 5.5.17 under Windows Linux and Mac OS X For Windows and Linux we used 1.4.60 and for the Mac we used 1.4.61 NOTE There are three separate versions of the code Please download the correct JAR file for the operating system you are using Foreword xiii Preface xvi Acknowledgments xviii About the Authors xix Solution 1 GWT Fundamentals and Beyond 1 Solution 2 JavaScript Integration 53 Solution 3 Custom Widget Implementation 71 Solution 4 Viewports and Maps 103 Solution 5 Access to Online Web Services 133 Solution 6 Drag and Drop 167 Solution 7 Simple Windows 199 Solution 8 Flex Tables 237 Solution 9 File Uploads 283 Solution 10 Hibernate Integration 303 Solution 11 Deployment to an External Server 325 Solution 12 GWT and Legacy Code 343 Index 371      **Essential GWT** Federico Kereki,2010

## Reviewing **Google Web Toolkit 2 Application Development Cookbook Ahammad Shamsuddin**: 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 truly astonishing. Within the pages of "**Google Web Toolkit 2 Application Development Cookbook Ahammad Shamsuddin**," an enthralling opus penned by a highly 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 in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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