RxJava Essentials

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Learn reactive programming to create awesome Android and Java apps

About This Book

- Create interactive Android apps with Java Reactive Extensions
- Learn Reactive Programming through real-life examples that you can use in your Android app
- Beat Android concurrency and threading issues to take your apps to a new level

Who This Book Is For

If you are an experienced Java developer, reactive programming will give you a new way to approach scalability and concurrency in your backend systems, without forcing you to switch programming languages.

What You Will Learn

- Master the Observer pattern and create Observable objects and sequences
- Convert lists of objects to Observable sequences
- Change existing methods to reactive asynchronous functions
- Filter Observable sequences to ensure that only the value you want will reach your functions
- Transform and manipulate Observable sequences into new sequences
- Combine, merge, and concatenate Observable sequences to create new sequences
- Move away from the Android main thread and AsyncTask to learn multithreading and concurrency the easy way with Schedulers
- Communicate with a remote REST API using Retrofit Observable responses
- Create your first RxJava-powered Android app

In Detail

RxJava?Reactive Extensions for the JVM?is a library for composing asynchronous and event-based programs using Observable sequences for the Java VM, which will help you beat Android platform limitations to create astonishing Android apps.

Starting with some quick background information on the Rx .NET library, this book quickly moves on to your first example. You will understand Observables and learn to filter, transform, or merge them in detail. Next, you will learn how to get rid of Threads, AsyncTasks, and Handlers with Schedulers to create a smooth user experience. Develop an easy, ready-to-go approach to REST API communications and enrich your skills by working with new challenging examples.

By the end of the book, you will have explored the reactive programming world and will have created your first Android app without having to think about threading, networking, concurrency, and collection management.

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From reader reviews:

Gerri Townsend:

The reason? Because this RxJava Essentials is an unordinary book that the inside of the e-book waiting for you to snap that but latter it will shock you with the secret that inside. Reading this book next to it was fantastic author who all write the book in such remarkable way makes the content inside of easier to understand, entertaining technique but still convey the meaning totally. So , it is good for you for not hesitating having this any longer or you going to regret it. This book will give you a lot of advantages than the other book possess such as help improving your talent and your critical thinking technique. So , still want to hesitate having that book? If I had been you I will go to the e-book store hurriedly.

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Playing with family in a very park, coming to see the marine world or hanging out with friends is thing that usually you have done when you have spare time, and then why you don't try factor that really opposite from that. 1 activity that make you not sensation tired but still relaxing, trilling like on roller coaster you are ride on and with addition of information. Even you love RxJava Essentials, you may enjoy both. It is very good combination right, you still need to miss it? What kind of hangout type is it? Oh seriously its mind hangout men. What? Still don't obtain it, oh come on its identified as reading friends.

Virginia Dunn:

As a pupil exactly feel bored in order to reading. If their teacher expected them to go to the library in order to make summary for some reserve, they are complained. Just very little students that has reading's internal or real their pastime. They just do what the instructor want, like asked to go to the library. They go to generally there but nothing reading very seriously. Any students feel that studying is not important, boring and can't see colorful images on there. Yeah, it is to get complicated. Book is very important for you personally. As we know that on this age, many ways to get whatever you want. Likewise word says, ways to reach Chinese's country. Therefore this RxJava Essentials can make you really feel more interested to read.

Joan Morris:

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