JavaFX for business applications

Following this course, participants will learn how to use the capabilities of JavaFX to design graphical rich user interfaces and also developing long lasting business applications. You will learn the basic terms and advanced concepts of JavaFX.

JavaFX for sophisticated user interfaces

Participants will learn how to use the user interface and usability of the various JavaFX APIs to create a modern user experience.

JavaFX for Swing applications

The participants will learn the possibilities offered by JavaFX for the expansion of existing Swing applications and what is to be considered in a planned migration of Swing applications.

High performance Web applications with React

Web development is becoming more and more important in the area of software development. The React library is used in many projects to successfully implement even complex requirements. React promises high-performance applications and at the same time a simple, clearly designed structure. Following this course, participants will learn the basic principles of React.

Practical excercises support the theory taught in this course. The participants will immediately apply the imparted knowledge to specific examples from their everyday work as developers. Thus, the knowledge can be directly transferred to their daily work.
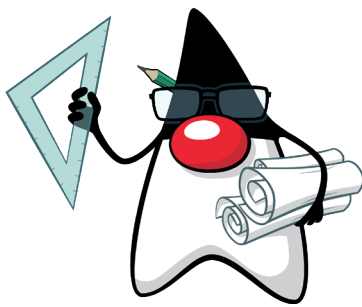
Migrating from Java 8 to Java 11

Java 8 is very often used when developing applications. Since the last public release will be published in Jan 2019, the time has come to update to the latest version. Comparing Java 8 and 11, many things have changed and migrating to Java 11 is not an easy task. Especially the new module systems brings several challenges.

During this training course, we will introduce the new features of Java 9 - 11 and we will discuss migration paths for Java 8 based applications and libraries. By testing those paths with specific examples participants will be enabled to overcome the technical hurdles of a migration.

During the training, we will also clear diverse rumours about Java 11 and we will answer questions like „Do I need to pay for Java?", „What is OpenJDK?", „Do I have to update Java every 6 months from now on?" or „Can I use Java 11 as an LTS version for the next couple of years?".

Java API Design

Java is a frequently used programming language that offers a wide variety of standard API's. Some of them are hardly known and are not used very often - although they offer a high potential for improving API design and the software being developed.

- When to use the keyword „final" and how to prevent NullPointerExceptions?
- How to make software more flexible and modular with SPI or how to address errors within the Stream-API?
- What is an annotation? How to create annotiations and where to use them?

Following this training course, participants learn how to use standard APIs in order to write better code.

Karakun trainer

Gerrit Grunwald

Gerrit Grunwald is a software engineer with more than fifteen years of experience in software development. He is a true believer in open source and has participated in many popular projects as well as his own projects. Gerrit blogs regularly at http://harmonic-code.org, he is an active member of the Java community, where he founded and leads the Java User Group Münster (Germany), is a JavaOne rockstar and Java Champion. He is a speaker at conferences and user groups internationally and writes for several magazines.

Hendrik Ebbers

Hendrik is a Java developer at Karakun AG and lives in Dortmund, Germany. He is the founder and leader of the Java User Group Dortmund and gives talks and presentations in user groups and conferences. He's blogging about UI related topics at www.guigarage.com (or on Twitter @hendrikEbbers) and his JavaFX book „Mastering JavaFX 8 Controls" was released 2014 by Oracle press. Hendrik is a JavaOne Rockstar, JSR expert group member and Java Champion.

Simon Skoczylas

Simon Skoczylas (Twitter: @giftkugel) is a senior software engineer at Karakun AG, living in Unna, Germany. He is developer since 2001 with focus on JavaScript and Java. Simon gives talks and presentations on conferences. He battled IE6 in the past and is a passionate web developer.