

Szkolenie: Oracle  
Java SE 7 Develop Rich Client Applications

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	7375 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	7975 PLN NETTO*	5 dni
Metoda dlearning	Cyfrowe	7375 PLN NETTO*	5 dni
Metoda dlearning	Tablet CTAB	7375 PLN NETTO*	5 dni

\* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

## LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

## Cel szkolenia:

The **Java SE 7: Develop Rich Client Applications** training takes you through the process of designing a rich client application using Java SE 7 and Java FX 2. Using the Model-View-Controller (MVC) pattern and a case study approach, you'll learn to analyze, design and develop the user interface, connect the user interface to a database and finally connect the user interface to a RESTful web service.

## Plan szkolenia:

- Introduction
  - Providing an overview of Rich Client applications(RIAs)
  - Providing an overview of JavaFX
- The Broker Tool Application
  - Describing an overview of BrokerTool
  - Describing BrokerTool database schema
  - Providing an overview of Henley Automobile application
- JavaFX Overview
  - Demonstrating Simple JavaFX Applications
  - What is JavaFX?
  - Exploring JavaFX API
  - Understanding JavaFX Scene Graph

- How to create a JavaFX app?
- Creating JavaFX FXML Application
- Comparing JavaFX with Swing
- Overview of JavaFX features
- Generics and JavaFX Collections
  - Reviewing Java Generics syntax
  - Reviewing Java Generic Collection objects
  - Reviewing JavaFX Collection's ObservableList and ObservableMap
- UI Controls, Layouts, Charts, and CSS
  - Understanding Scene Graph in depth
  - Using UI controls in JavaFX application
  - Using Layout features in JavaFX application
  - Using Charts in JavaFX application
  - Understanding the usage of CSS in JavaFX application
  - Adding events to JavaFX controls
- Visual Effects, Animation, Web View, and Media
  - Using Visual Effects in JavaFX application
  - Using Animation and transition features in JavaFX application
  - Describing the benefits of using WebView and WebNode
  - Describing the implementation of Multimedia in JavaFX
- JavaFX Tables and Client GUI
  - Creating smart Table
  - Describing the BrokerTool app interface
  - Determining which JavaFX components to use in the BrokerTool interface
  - Displaying BrokerTool data and determine which charts and tables to use to display data
  - Applying CSS to a JavaFX application
- JavaFX Concurrency and Binding
  - Describing properties and binding in JavaFX
  - Implementing Threading and Concurrency in JavaFX
- Java Persistence API (JPA)
  - Understanding JPA concepts
  - Understanding Components of JPA architecture
  - What is Transactions ?
  - Performing CRUD operations using Entity and Queries
- Applying the JPA
  - Identifying Entity Relationships

- Using Criteria API in JavaFX application
- Applying JPA in HenleyApp application
- Applying two-tier design
- Implementing a Multi-Tier Design with RESTful Web Services
  - Comparing Three-tier design versus Two-tier design
  - Describing JAX-RS web services
  - Using JAX-RS web services in the HenleyServer application
- Connecting to a RESTful Web Service
  - Testing REST web service with HTTP and HTML
  - Developing JAX-RS web service clients
  - Identifying how to develop a Jersey RESTful client
  - Reviewing the implementation of Web service clients of HenleyApp
- Packaging and Deploying Applications
  - Using jar to package up Java applications
  - Deploying applications
  - Deploying Embedded applications
  - Deploying Jar using Java Web Start
  - Using an Installer
  - Deploying Rich Internet using Deployment Toolkit
- Developing Secure Applications
  - Describing the Aspects of security
  - Describing Fundamental secure coding concepts
  - Avoiding common Injection and inclusion attacks
  - Protecting Confidential data
  - Limiting the accessibility of classes
  - Understanding Mutability
  - Listing Security resources available on the Internet
- Signing an Application and Authentication
  - Describing Public and private key encryption
  - Describing Digital Signatures
  - Introducing SSL/TLS
  - Understanding HTTP Authentication mechanism
  - Using HTTPS with an application
- Logging
  - Overview of Java Logging API
  - Creating a Logger Object

- Setting Log levels
- Reviewing Logging methods
- Configuring Logger Handlers and formatters
- Using Logger Configuration
- Implementing Unit Testing and Using Version Control
  - Understanding Unit Testing, Test Cases and features of JUnit
  - Understanding and Writing JUnit test cases
  - Using NetBeans support for JUnit
  - Using Version control system

## Wymagania:

- [Java SE7 Fundamentals](#)
- [Java SE7 Programming](#)

## Poziom trudności



## Certyfikaty:

Uczestnicy szkoleń otrzymają zaświadczenia o ukończeniu kursu sygnowane przez firmę Oracle.

## Prowadzący:

Autoryzowany wykładowca Oracle.