



Swing Components & Java 2D

Course Syllabus

Course Description:

This course aims to describe the Swing class hierarchy in details. The course elaborates the difference between light weight component VS heavy weight components. Moreover, the MVC design pattern is illustrated with respect to its use in Swing Components.

Prerequisite Course(s):

- Java Programming.
- Advanced Java Programming

Learning Objectives:

- To familiarize the trainees with Swing GUI Components and Containers.
- To introduce the MVC Architecture to the trainees, from a GUI perspective.
- To familiarize the trainee with Java 2D API.

Course Outline:

- MVC Architecture.
- UI delegates and Pluggable Look and Feel (PLAF).
- JComponent properties, sizing, and positioning.
- Event handling and dispatching.
- JTabbedPane and JScrollPane.
- JComboBox and JList.
- Custom Renderers.
- JTable.
- Java2D API overview.