

ILOG JViews Diagrammer

Topics

This course is about creating and styling dashboard and diagram displays, and adding specialized functionality to these components for use in diagramming applications.

The course includes sets of hands-on exercises to help you gain experience of:

- Using the JViews Symbol Editor, a point-and-click interface used to create palettes of rich interactive symbols for use in dashboard and diagram displays.
- Using the JViews Dashboard Editor, a point-and-click interface for rapidly creating schematics and dashboards.
- Using the Designer for JViews Diagrammer, a tool for quickly integrating your data and styling your diagram display.
- Using the JViews Diagrammer SDK to refine and extend the diagram display.
- Using the JViews Framework for more complex graphics development and printing.
- Optionally, using the Graph Layout SDK for more specialized handling of graph layout algorithms.

Tool Chain and SDK of JViews Diagrammer

Creating symbols

Creating dashboard views

Creating diagram views

Use of maps in a diagram

Graph layout

Writing a Swing application

Writing a custom data model and the corresponding data source

Writing a custom renderer

Extending predefined classes

JViews Framework

Overview

Basic geometric classes

Managers

Graphic objects

Views

Transformations

Behaviors

JViews Framework Advanced Features

Creating a new object

Extending a view behavior

Listeners

Animation

Printing

Nested managers

Manager frame

Nested graphers

Printing Framework

Overview

Printable document

Printing user interface components

Printing controller

Objectives

The primary audience is Java developers of diagramming applications.

- Learn how to design professional-looking symbols capable of reacting to interactions.
- Learn how to create a dashboard display with the Dashboard Editor and integrate it into an application.
- Learn how to create a diagram display with the Designer and integrate it into an application.
- Use the Designer to style diagram components.
- Apply a background map to a diagram.
- Use symbols.
- Apply graph layout in the Designer.
- Use the basic classes in the JViews Diagrammer SDK.
- Use the graphics framework SDK.
- Print a diagram.
- Optionally, use the graph layout SDK.

Prerequisites

A working knowledge of the Java programming language.
Experience of GUI design.

Length

- 5 days
- 9:00 am – 6:00 pm

Graph Layout SDK

Overview

Graph layout algorithms

Graph layout parameters

Circular layout example

Graph layout and CSS

Conclusion and open forum

Discussion of participants' questions