

Spoken Tutorial Handling Images in a Java GUI Application

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://www.sakshat.ac.in>

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Prerequisites

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- ▶ Know to place text fields, buttons, menus etc. on a JFrame form



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- ▶ Know to place text fields, buttons, menus etc. on a JFrame form
- ▶ If not, please visit <http://spoken-tutorial.org> for relevant tutorials on Netbeans



Introduction

In this tutorial,

- ▶ We will learn in detail about handling images



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In this tutorial,

- ▶ We will learn in detail about handling images
- ▶ And, perform actions on them, in a sample GUI application



System Setup

► Ubuntu 11.04



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- ▶ **Ubuntu 11.04**
- ▶ **Netbeans v7.1.1**



Handling Images

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- ▶ We will learn to use the IDE's GUI builder to generate the code to include images
- ▶ And create a simple JFrame with one JLabel displaying an image



Talk to a Teacher

Lesson Outline

In this tutorial, we will

- ▶ Create the application form



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- ▶ Add a package for the image



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- ▶ Create the application form
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- ▶ Display the image on the label
- ▶ Create mouse-events and pop-ups



Lesson Outline

In this tutorial, we will

- ▶ Create the application form
- ▶ Add a package for the image
- ▶ Display the image on the label
- ▶ Create mouse-events and pop-ups
- ▶ Build and run the application



Assignment!

- Create another GUI with four images



Assignment!

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 - ▶ keyboard event
 - ▶ mouse-motion event
 - ▶ mouse-click event
 - ▶ **mouse-wheel event**



Summary

To summarize, we have

- ▶ created a JFrame form



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- ▶ added a package for the image



Summary

To summarize, we have

- ▶ created a **JFrame** form
- ▶ added a package for the image
- ▶ **displayed the image on the label**



Summary

To summarize, we have

- ▶ created a **JFrame** form
- ▶ added a package for the image
- ▶ displayed the image on the label
- ▶ created mouse-events and pop-ups



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, contact contact@spoken-tutorial.org



Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>



About the contributor

IT for Change, Bengaluru

- ▶ This tutorial has been contributed by IT for Change



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- ▶ This tutorial has been contributed by IT for Change
- ▶ Thank you

