

WindowBuilder



Guillermo Esquivel González

Nicolas Hernández González

Programacion de Aplicaciones Interactivas



WindowBuilder

What will we talk about?

- **What is WindowBuilder?**
- **How to install WindowBuilder**
- **Short introduction for a quick start**
- **Distribution of the window**
- **Wizards**
- **LayoutManagers**



What is WindowBuilder?

WindowBuilder is a powerful and easy to use bi-directional Java GUI designer that makes it very easy to create Java GUI applications without spending a lot of time writing code to display simple forms. With WindowBuilder you can create complicated windows in minutes. Use the visual designer and Java code will be generated for you. You can easily add controls using drag-and-drop, add event handlers to your controls, change various properties of controls using a property editor, internationalize your app and much more.



Installation

- In Eclipse, click **Help > Install New Software...**
- Get the proper link from **<http://www.eclipse.org/windowbuilder/download.php>**
- **In the Available Software** dialog, enter the product's update site location and select all the items to install. Click **Next** to continue.
- Click **Next** to confirm installation.
- Accept the license agreement. Click **Finish**.
- Restart Eclipse.



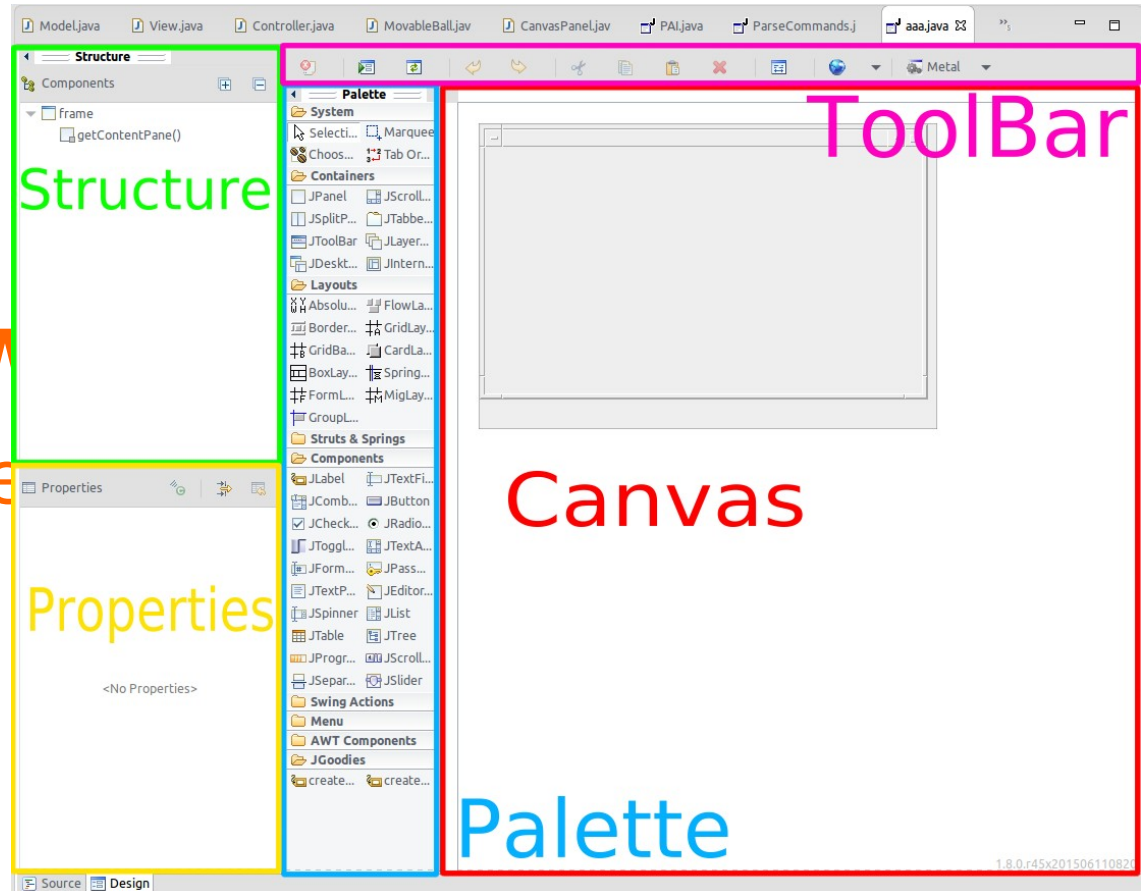
Short introduction for a quick start

- **Create a new project using the appropriate project wizard.**
- **Use class wizard to create your GUI window or edit an existing window.**
- **Choose an appropriate layout manager for your window.**
- **Add various components from the Palette and edit their properties using the Property Pane.**
- **Visually create and edit your window's menubar.**
- **Add event handler to various widgets to provide behavior**
- **If you create a new Composite or Jpanel, you can embed it in another window using the Choose Component command.**
- **You cant test launch your window by right-clicking on it and selecting Run As > Java Application**



Distribution of the window

- **Design View**
- **Source View**
- **Structure View**
 - Component Tree
 - Property Pane
- **Palette**
- **Toolbar**
- **Context Menu**



Features

- **WYSIWYG visual designer and editing**
- **Flexibility and consistency across frameworks**
- **Bi-directional code generation (round-trip editing)**
- **Drag-and-drop**
- **Wizards and templates**
- **Reverse engineering capabilities**
- **Localization and Internationalization**
- **Minimal code changes**
- **Morphing tools**
- **Factories**
- **Data Binding**
- **Auto-discovery of Uisupported frameworks**



Wizards

- **Swing**
 - **JFrame**
 - **Jpanel**
 - **JDialog**
 - **JApplet**
 - **JInternalFrame**
 - **Application Window**
 - **Automatic Data Binding**



Bibliography

- **Help eclipse**
- **Eclipse windowBuilder**
- **Eclipse proposals windowBuilder**



END

- **THANKS!**
- You can find as alu0100881677 & alu0100898293
- Slides and code at [Github repo](#)
- **Any Question?**

