



Riena User Interface

Carsten Drossel (andrena objects AG)

Heiko Barth (compeople AG)

Agenda



- Motivation of Riena User Interface
- How does it look like?
- Navigation
- Separation of View and Controller
- The Ridget
- Look & Feel

Motivation



- Why not just use RCP out of the box?
- What makes out a typical RCP application?
 - Flexibility
 - Dynamic Views and Editors
 - Perspectives
 - Customization
- What about end users of business applications?
 - What are their desires?
 - Similar requirements for all?
 - Same approach for all domains?



Reduce complexity!

Motivation



- Support the business end **user** to
 - Focus and concentrate on his business
 - Feel the navigation
 - Easily reach any point in the application

- Support the business **app developer** to
 - Easily build the application model
 - Focus on implementation of business logic
 - Use standard eclipse technology



Motivation

Riena Approach (end user)

- Intuitive, simplified navigation over flexibility
- Static layout
- Clear focus
- Strong highlighting of position
- Understandable markup concepts for application state



Motivation

Riena Approach (developer)

- Developer does not need to be an RCP expert
- Clean, simple application model API
- Convenience APIs
- Separate control logic from presentation

How does it look like?



The screenshot displays the RIENA application interface. At the top, the title bar reads "RIENA" and "Riena Example". Below the title bar, there are tabs for "Customers" and "PIM". A menu bar includes "File", "Context menu", and "Navigation menu". Below the menu bar, there are icons for "Exit", a search icon, and navigation arrows. On the left side, there is a search bar and a list of search results. The main content area shows a customer profile for "Jackson, John - Personal Data". The profile is divided into two sections: "Billing Address" and "Shipping Address". The "Billing Address" section contains text boxes for "Name" (John Jackson), "Street" (123 Fakestreet), and "City" (Jacksonville, FL), along with "Save" and "Revert" buttons. The "Shipping Address" section has a checked checkbox for "Same as above" and empty text boxes for "Name", "Street", and "City", also with "Save" and "Revert" buttons. At the bottom right, there is a status bar with a search bar, a refresh icon, and the text "0000000 | 17.11.2008 | 14:52".

RIENA Riena Example

Customers PIM

File Context menu Navigation menu

Exit

Search

Jackson, John

Personal Data

Order History

Johnson, Jack

Jackson, John - Personal Data

Billing Address

Name John Jackson

Street 123 Fakestreet

City Jacksonville, FL

Save Revert

Shipping Address

Same as above

Name

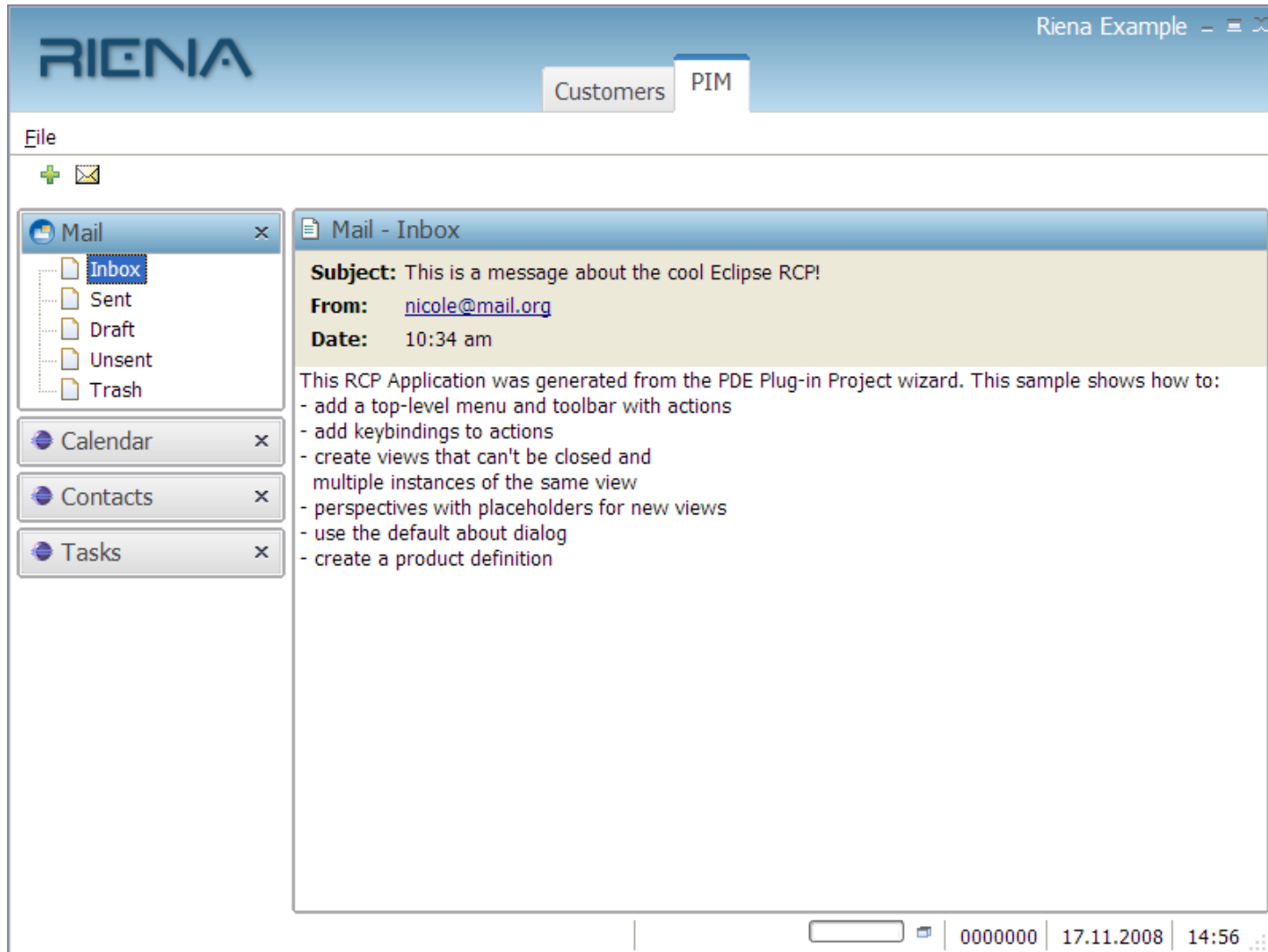
Street

City

Save Revert

0000000 | 17.11.2008 | 14:52

How does it look like?



Navigation

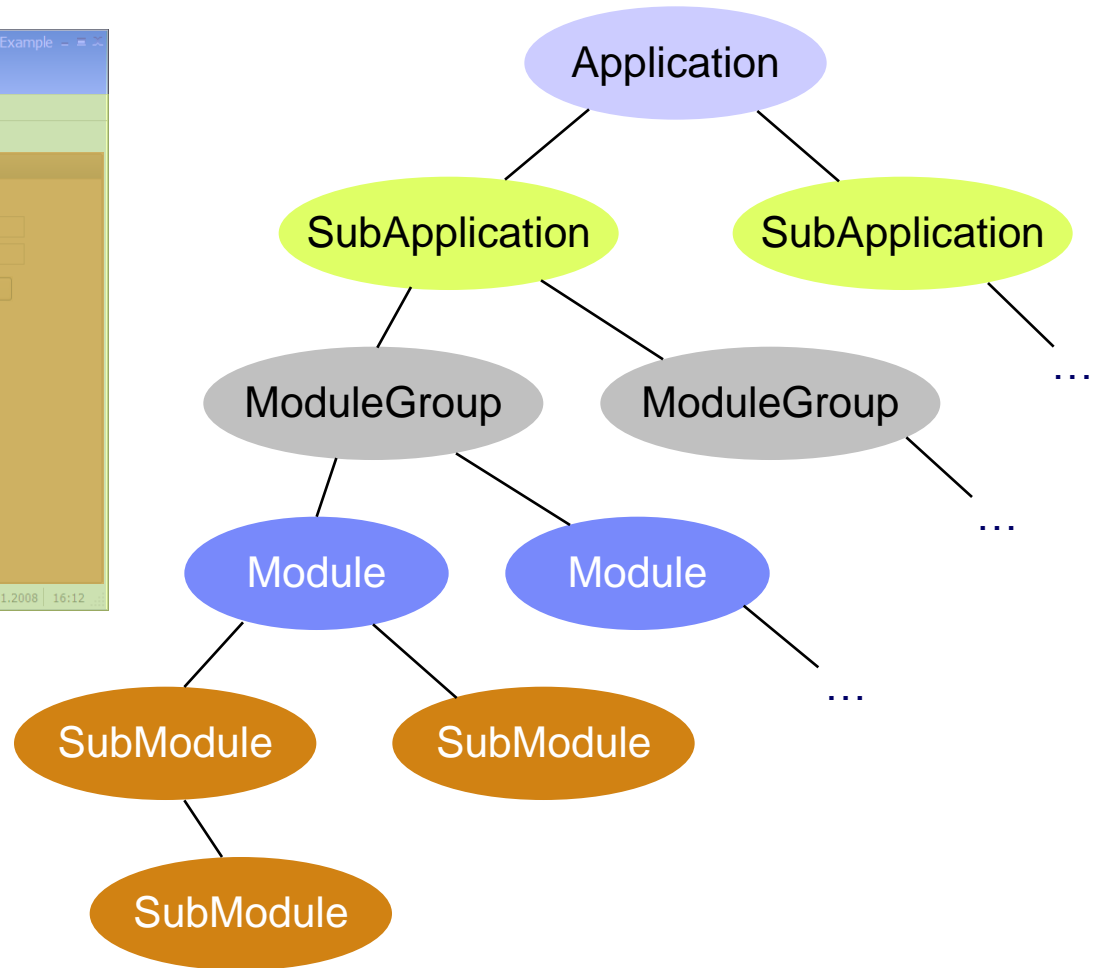
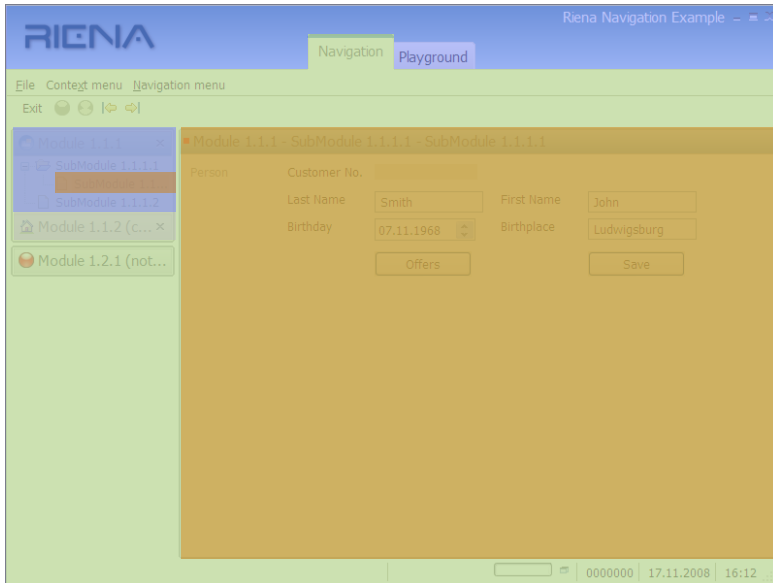


Find your way

- What is my position?
- How can I get from A to B?

How is it done in Riena?

Navigation

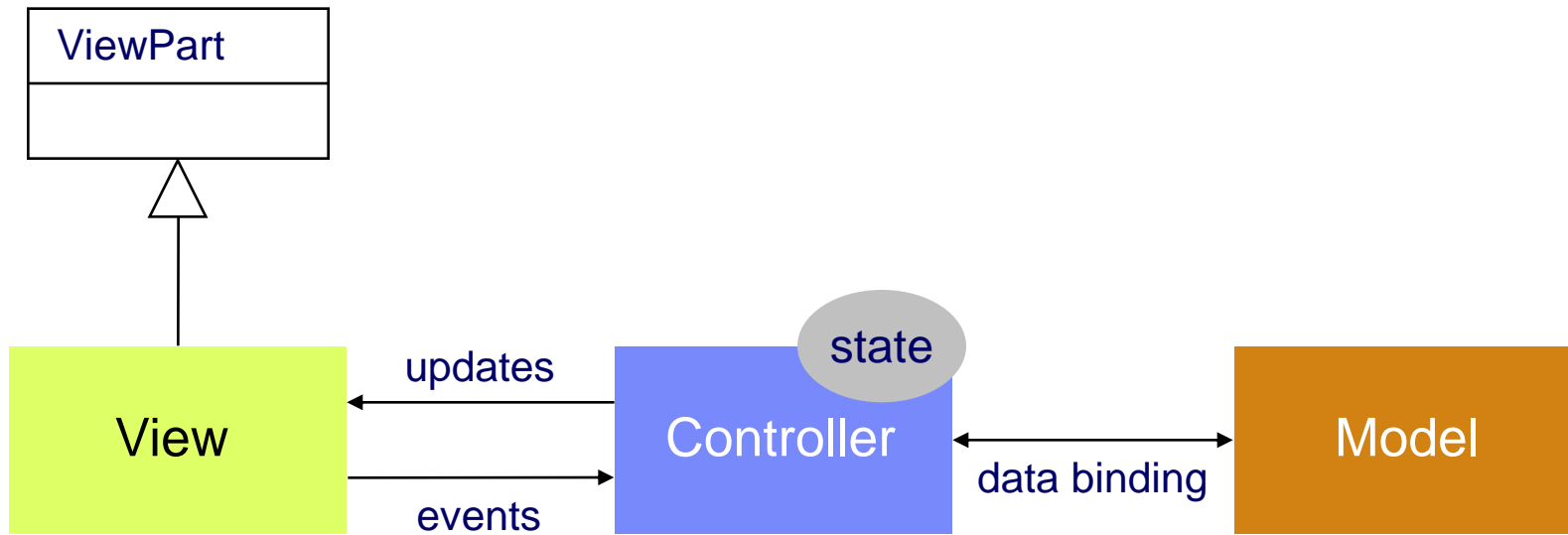


Navigation



- Different levels
- One work area
- Grouping of related data
- Strong highlighting
- Hiding non related data

Separation of View and Controller



View



- Only the presentation
- Instantiation and layout of widgets
- Can be generated by UI builder tools
- No control logic
- No data binding
- No service calls

Controller



The Controller

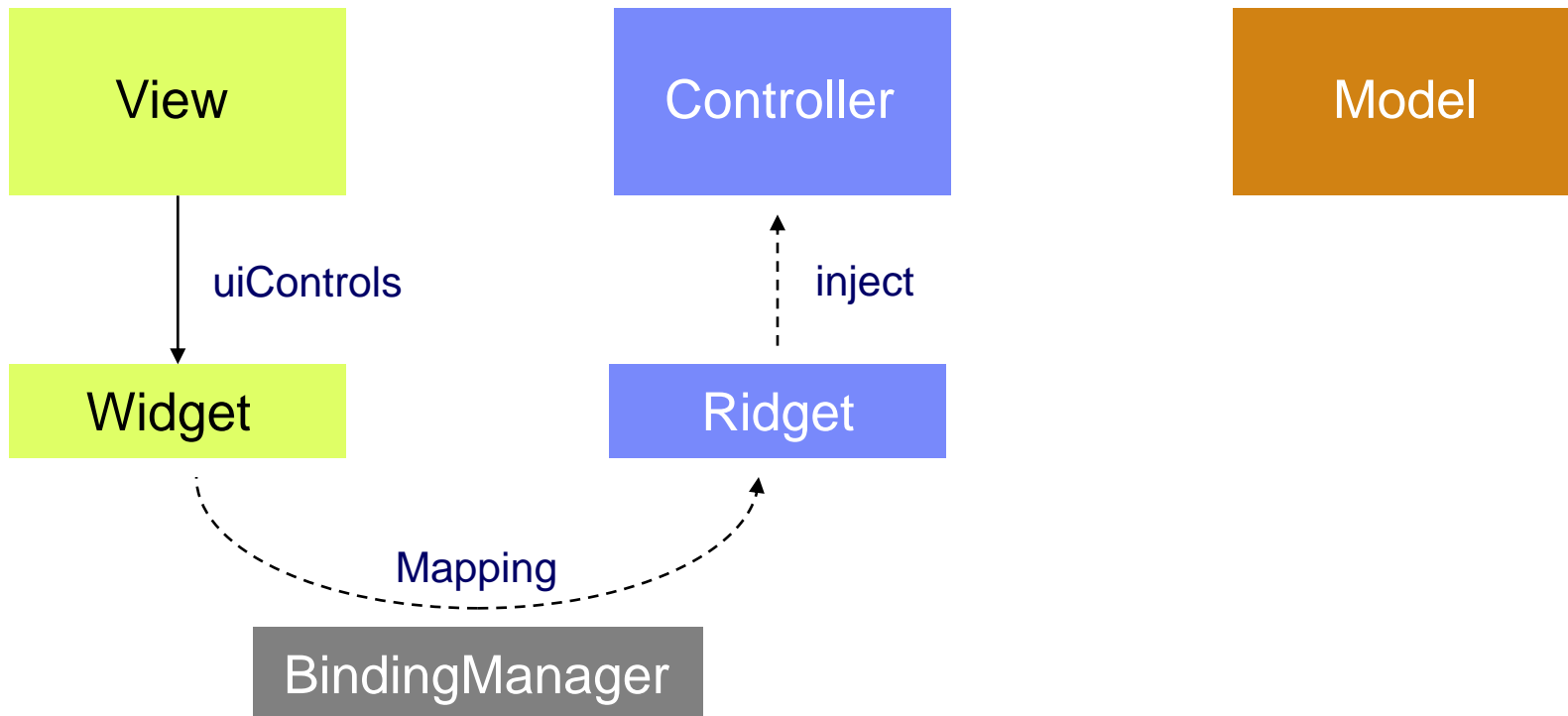
- Contains the business logic
- UI-toolkit (SWT) independent
- Connection to the navigation model
- Controls the widgets through Ridgets

Ridgets

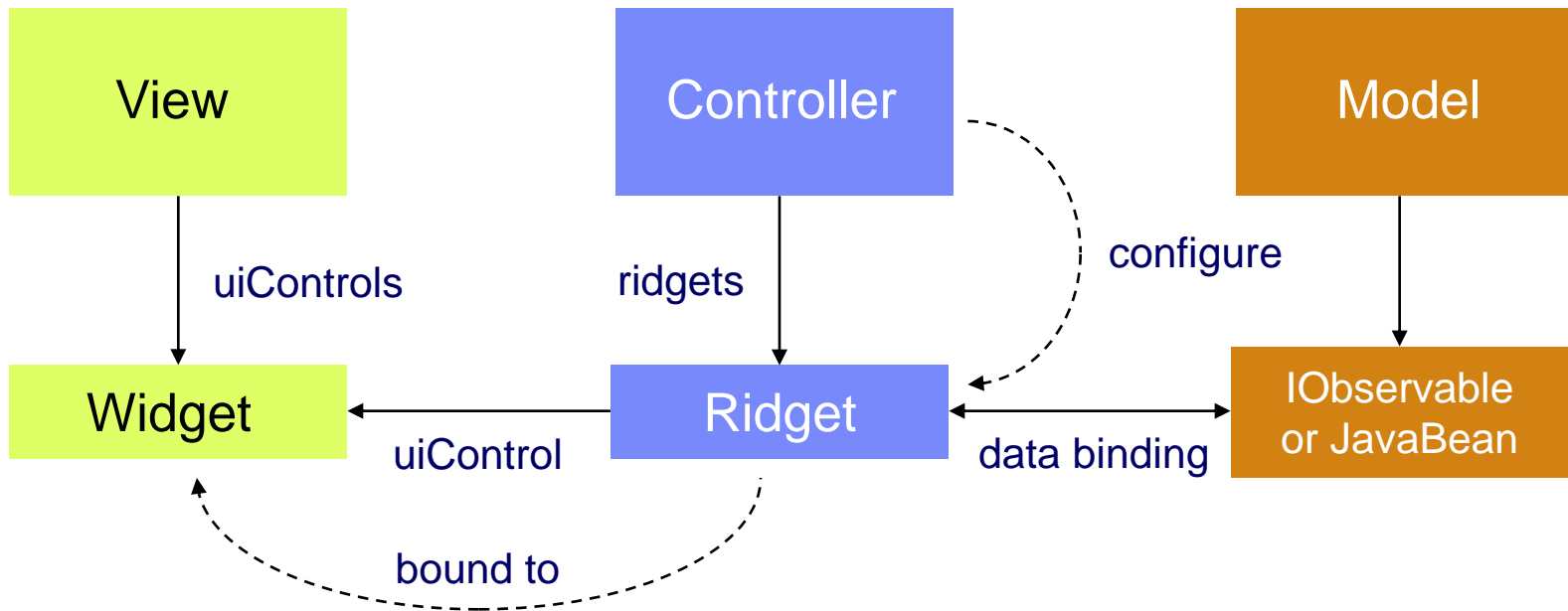


- Wrapper for a widget
- Specific for each type of widget
 - TextRidget, ButtonRidget, etc.
- Injected into the Controller

Ridgets



Ridgets

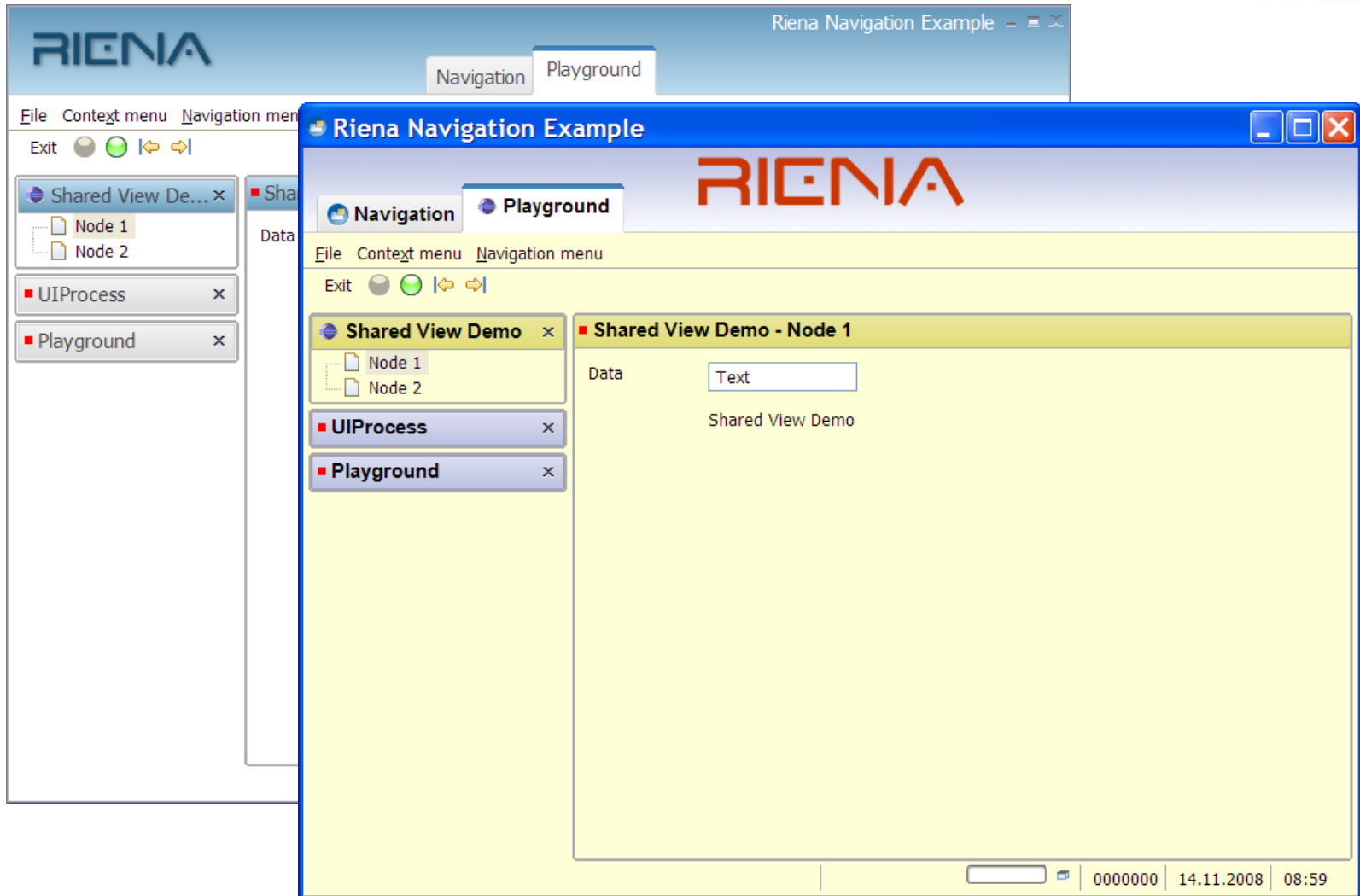




Look & Feel

- Navigation widgets drawn by Renderers
- Theme
 - Colors
 - Fonts
 - Icons, etc.
- Customize appearance
 - Subclass RienaDefaultTheme
- Deeper customization
 - Subclass Renderers
- See http://wiki.eclipse.org/Riena_Look_and_Feel

Look & Feel



Thank you!



- <http://www.eclipse.org/riena/>
- <http://www.compeople.de/veroeffentlichungen>