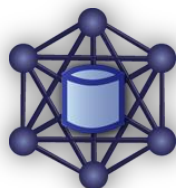
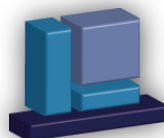


# EMF Client Platform

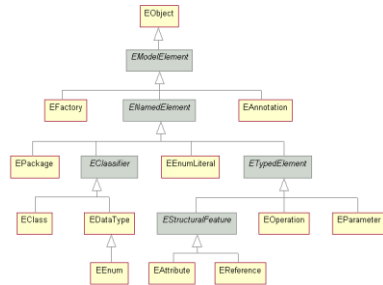
Dr. Jonas Helming  
Dr. Maximilian Kögel

## Goal of the EMF Client Platform

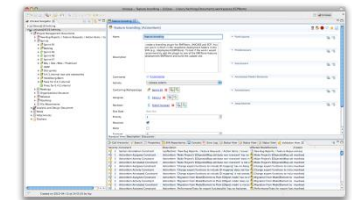
- Many tools share common requirements
- Frameworks can help with these
- You want to develop requirements iteratively
- EMF Client Platform provides a starting point
- EMF Client Platform provides integration



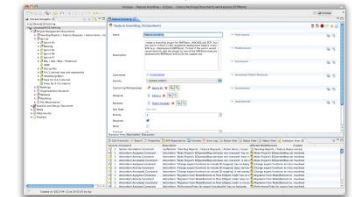
# EMF Client Platform



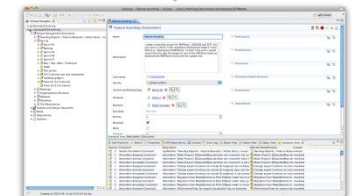
Your Model



Your Application



+ Customization



+ Customization

## Common Requirements

- CRUD UI
- Data Validation
- Data Import/Export
- Custom UI
- Graphical Editors
- Storage (+ Versioning)
- Multi-User

# CRUD Editor and Navigator

## CRUD:

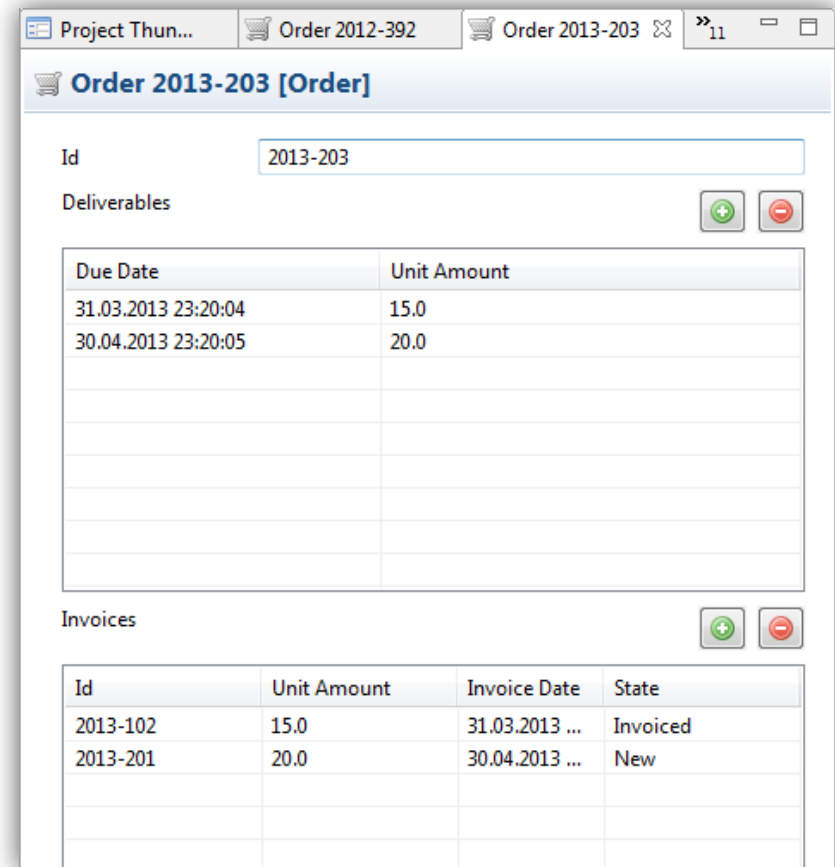
**C**reate Data

**S**how (**R**ead) Data

**U**ppdate Data

**D**elte Data

## Form-based UI



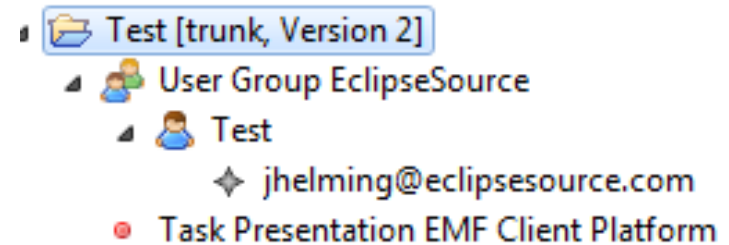
The screenshot shows a web application window titled "Order 2013-203 [Order]". It features a form for editing an order. At the top, there are tabs for "Project Thun...", "Order 2012-392", and "Order 2013-203". The main form has an "Id" field with the value "2013-203". Below this is a "Deliverables" section with a table showing due dates and unit amounts. There are also "Invoices" and "Deliverables" sections, each with a table of data. The "Deliverables" table has columns for "Due Date" and "Unit Amount". The "Invoices" table has columns for "Id", "Unit Amount", "Invoice Date", and "State".

| Due Date            | Unit Amount |
|---------------------|-------------|
| 31.03.2013 23:20:04 | 15.0        |
| 30.04.2013 23:20:05 | 20.0        |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |

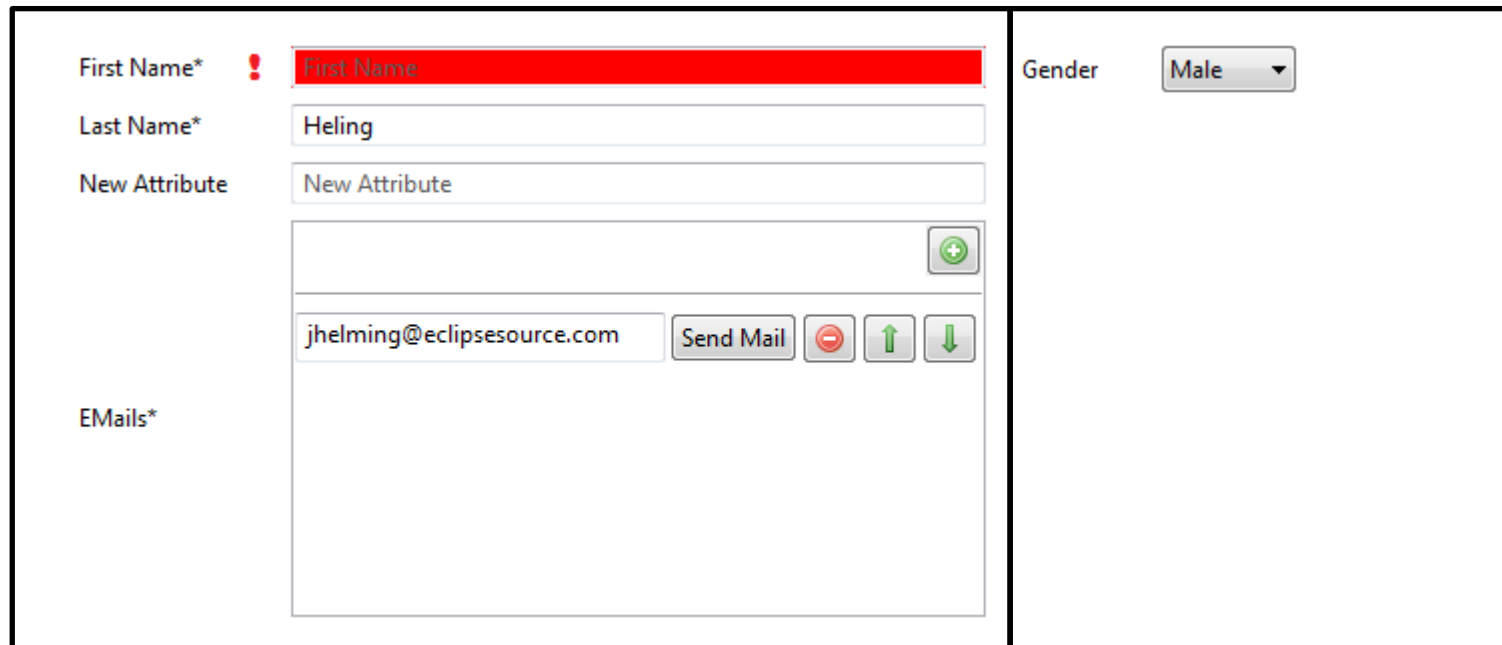
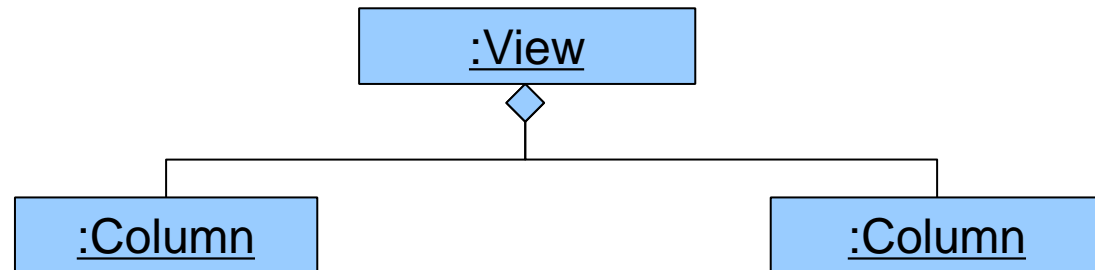
| Id       | Unit Amount | Invoice Date   | State    |
|----------|-------------|----------------|----------|
| 2013-102 | 15.0        | 31.03.2013 ... | Invoiced |
| 2013-201 | 20.0        | 30.04.2013 ... | New      |
|          |             |                |          |
|          |             |                |          |
|          |             |                |          |
|          |             |                |          |

## Custom User Interfaces

- Icons
- Labels
- Tree Structure
- Attributes Visibility
- Custom Controls
- Custom Layouts



## Custom Layouts



The screenshot shows a web form layout divided into two columns. The left column contains the following elements:

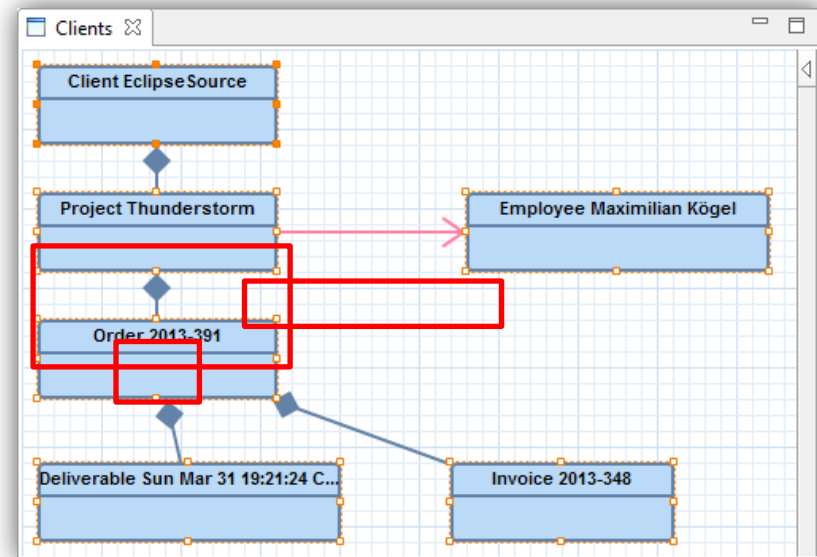
- First Name\***: A text input field with the value "First Name" and a red error bar above it.
- Last Name\***: A text input field with the value "Heling".
- New Attribute**: A text input field with the value "New Attribute".
- E-mails\***: A section containing a text input field with the value "jhelming@eclipsesource.com", a "Send Mail" button, and three small buttons (minus, up, down).

The right column contains the following element:

- Gender**: A dropdown menu with the value "Male".

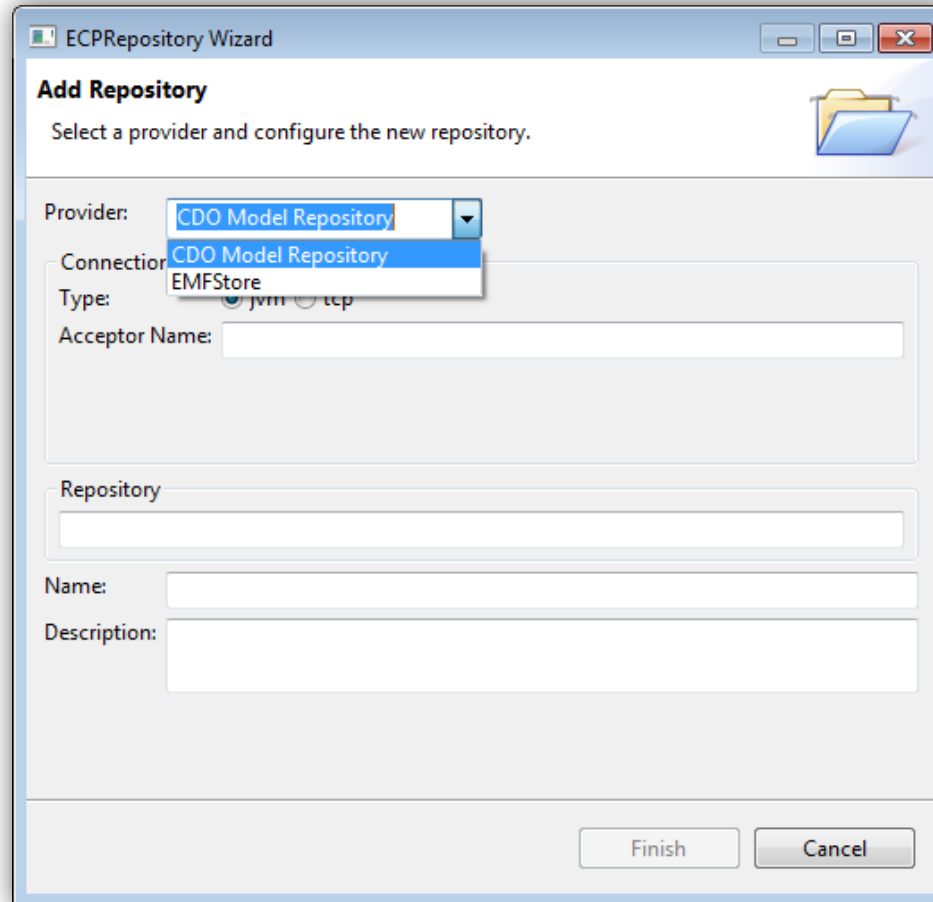
## Graphical Editor (e.g. Graphiti)

- Entities become Nodes
- References become Edges
- Additional Editor/View
- Layout Information





## Storage and MultiUser



## Customer projects

- Logistics
- Automotive
- Transportation
- Software Development
- Defense

## More Information

- Eclipse Project: [emfcp.org](http://emfcp.org)
- Twitter: @emfcp, #emfcp