Make it happen!

Creating a complex form-based UI in 30 minutes

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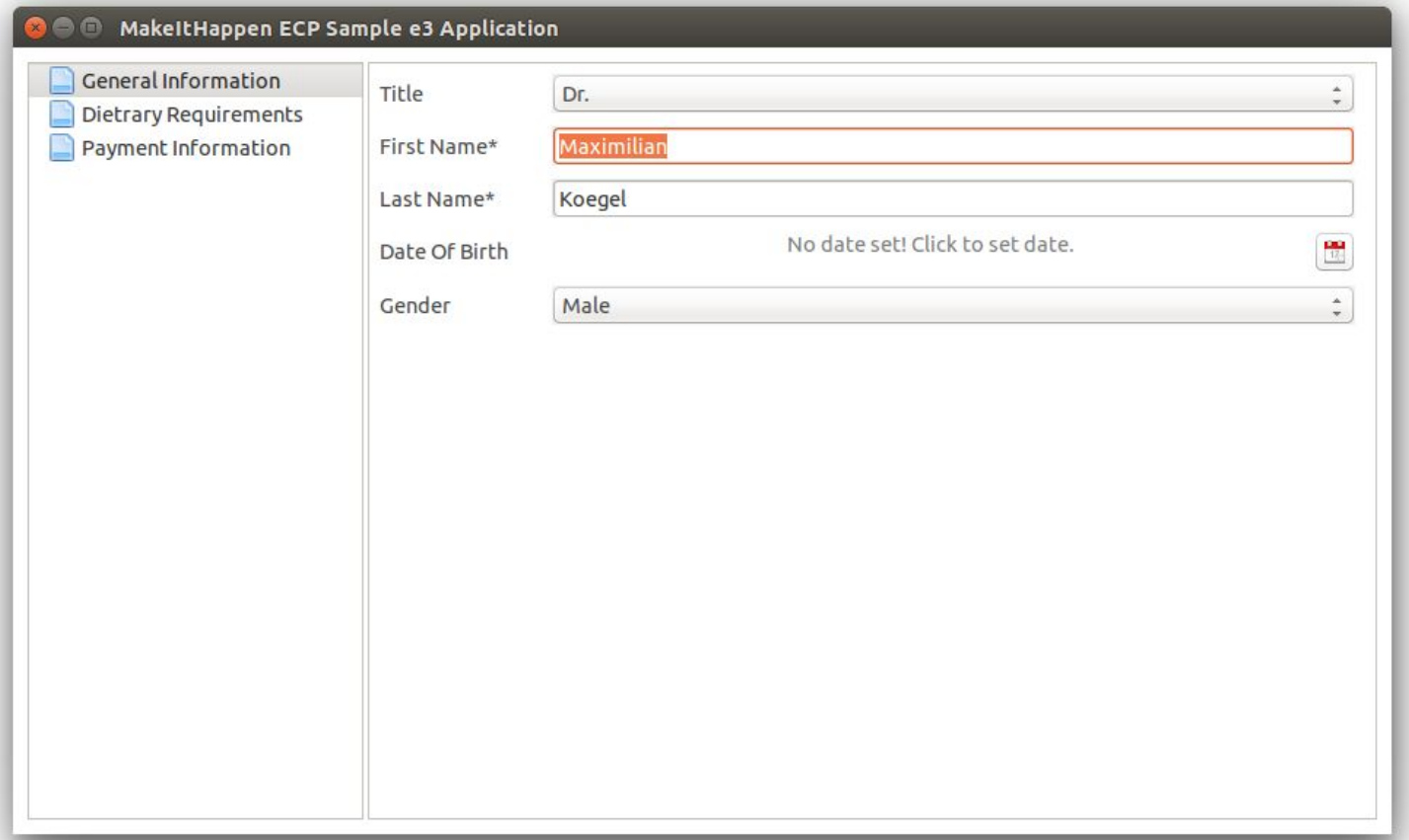
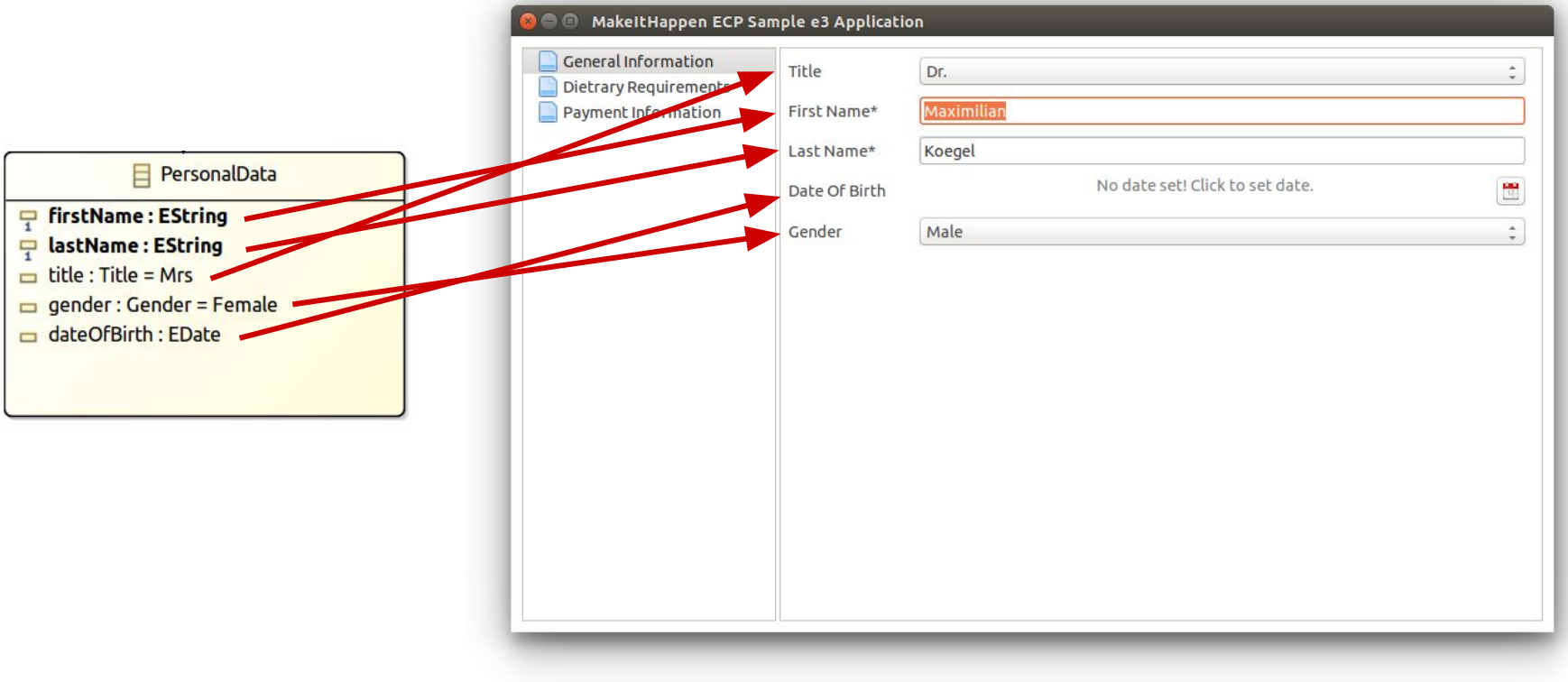
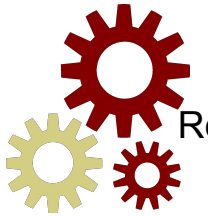
Data is often viewed/edited in a form-based UI



Data model needs to be mapped to UI

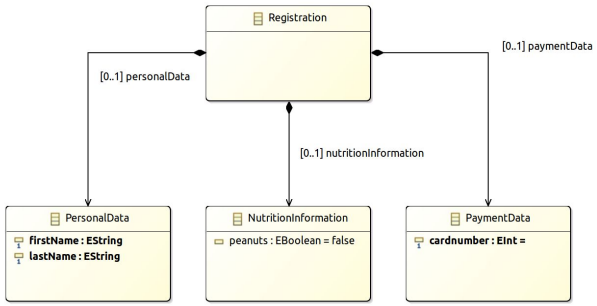


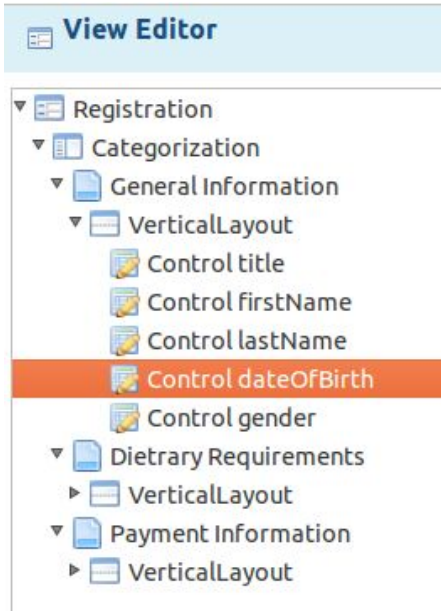
Modeling the UI

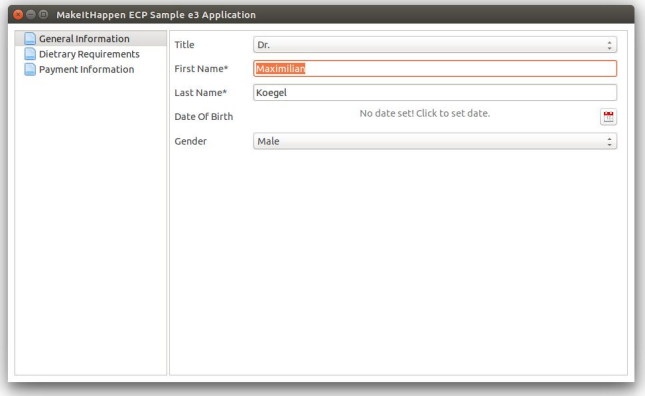


Renderer

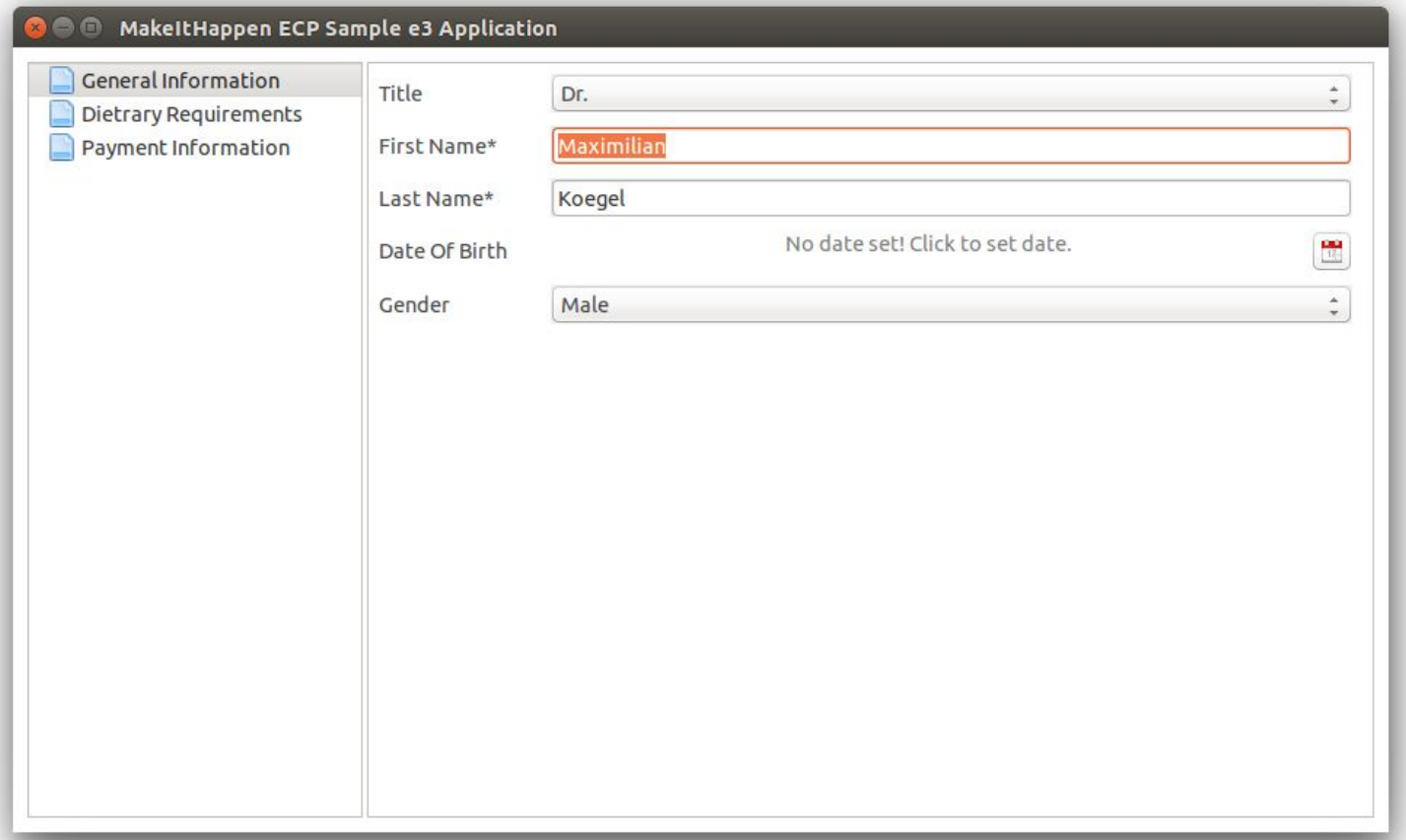
Domain Model (XSD, Ecore) + **View Model** = **User Interface**



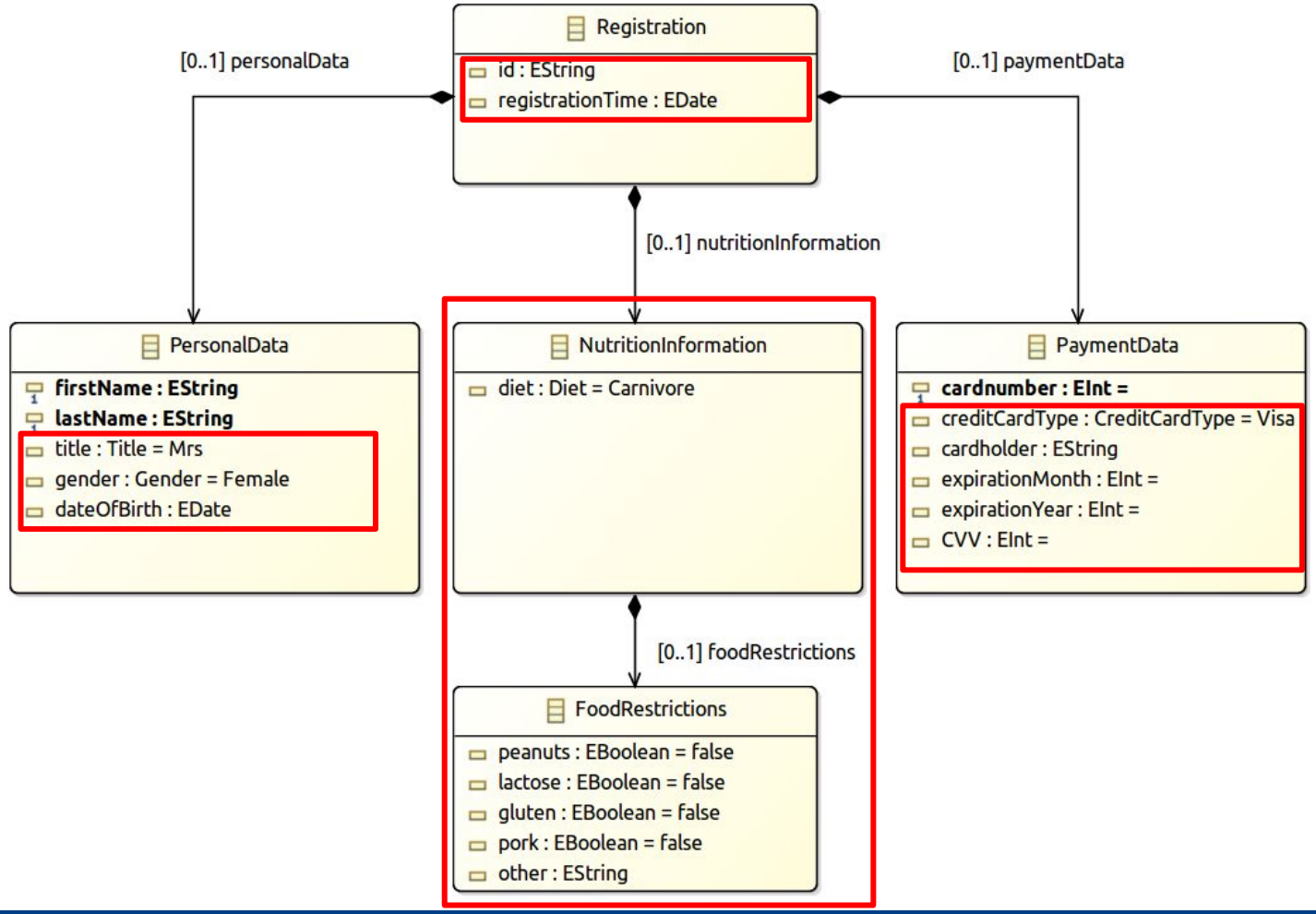




Data Model and UI Model: Iteration 1



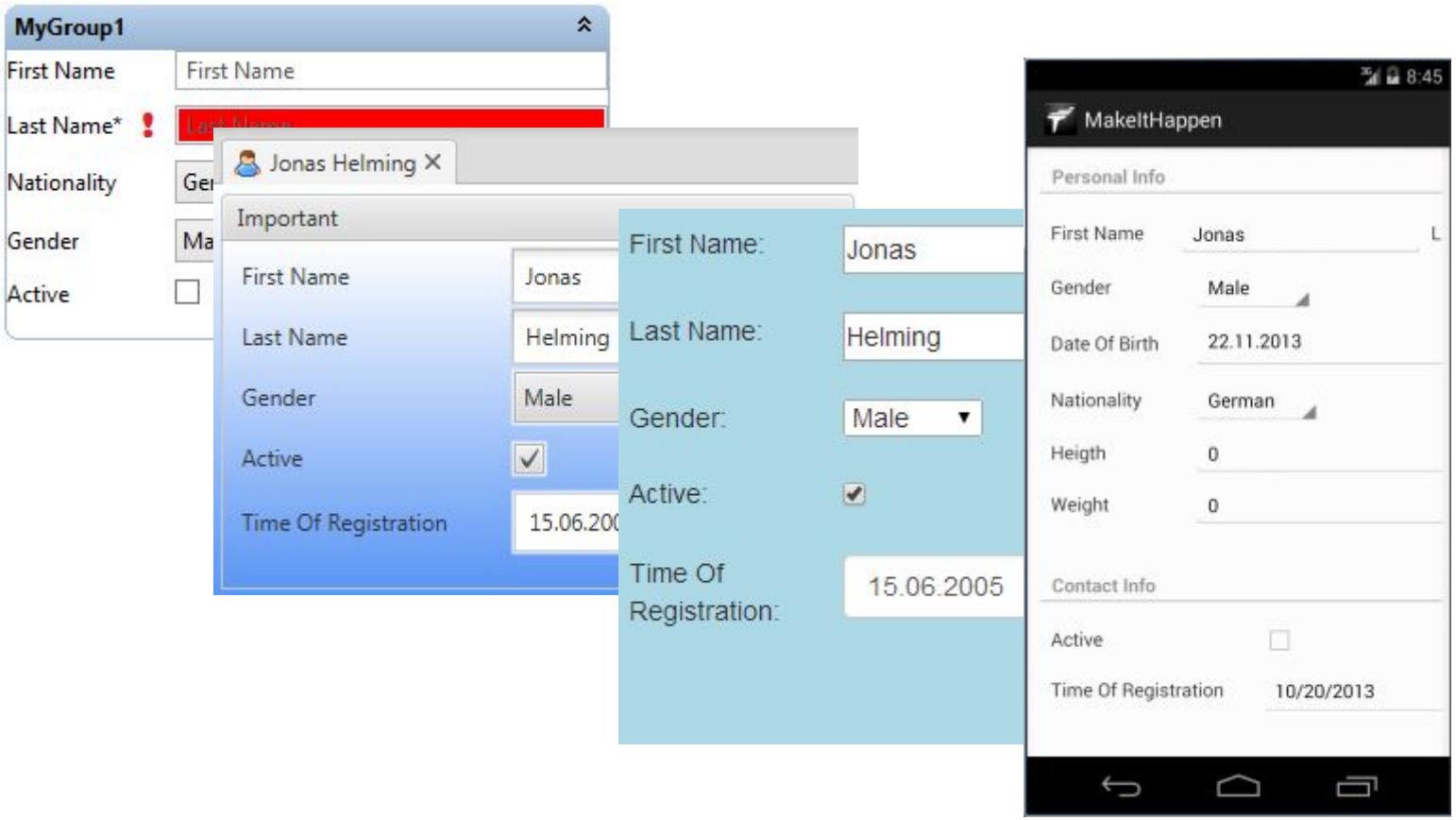
Data Model and UI Model: Iteration 2



EMF Forms Core Features

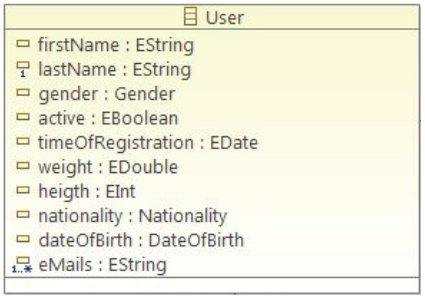
- ✓ Controls to edit data + Layouts to structure UI
- ✓ IDE-Tooling
- Many additional view model elements
- ✓ Live-Validation
- ✓ Rule-based visibility and enablement of controls
- Exchangeable UI Technology:
  - SWT (Production)
  - JavaFX (Demo)
  - Browser/Web based on RAP (Production)
  - Browser/Web based on AngularJS (Development)
  - Mobile based on Tabris (Demo)

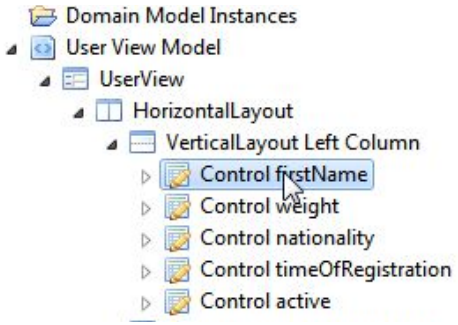
Rendering technologies

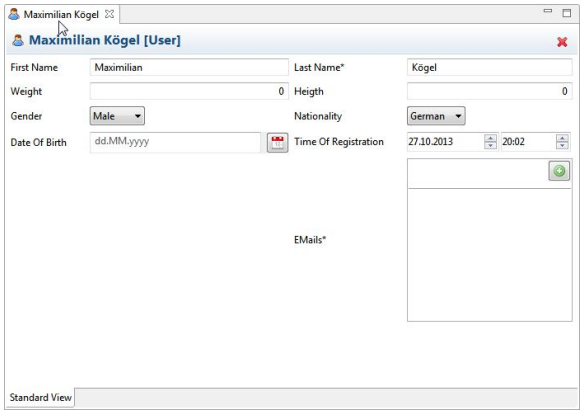


When to use UI Modeling

- Large Domain Model
- Many different Views
- Frequent Domain Model changes
- Homogenous UI
- UI Technology Independence
- Improved Customer Involvement
  - Fast Turnaround + Rapid Prototyping
  - Easy-to-grasp UI concepts







More Information

- EMF Forms: http://emfforms.org
  => Getting started Tutorial

- Next Release 1.8 Mars 2
  - API/SPI improvements
  - EMF Forms Ecore Tooling
  - Web Renderer based on AngularJS: http://JSONForms.org

  => ECE Talk: **EMF Forms goes AngularJS**, Thursday 10:30, Bürgersaal 2

- Twitter: #emfforms @EMFForms

- **EclipseCon: BOF, Today 7pm, Schubartsaal**

eclipsecon Europe
Ludwigsburg, Germany, 3 - 5 November 2015
Evaluate this sessions at www.eclipsecon.org
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