



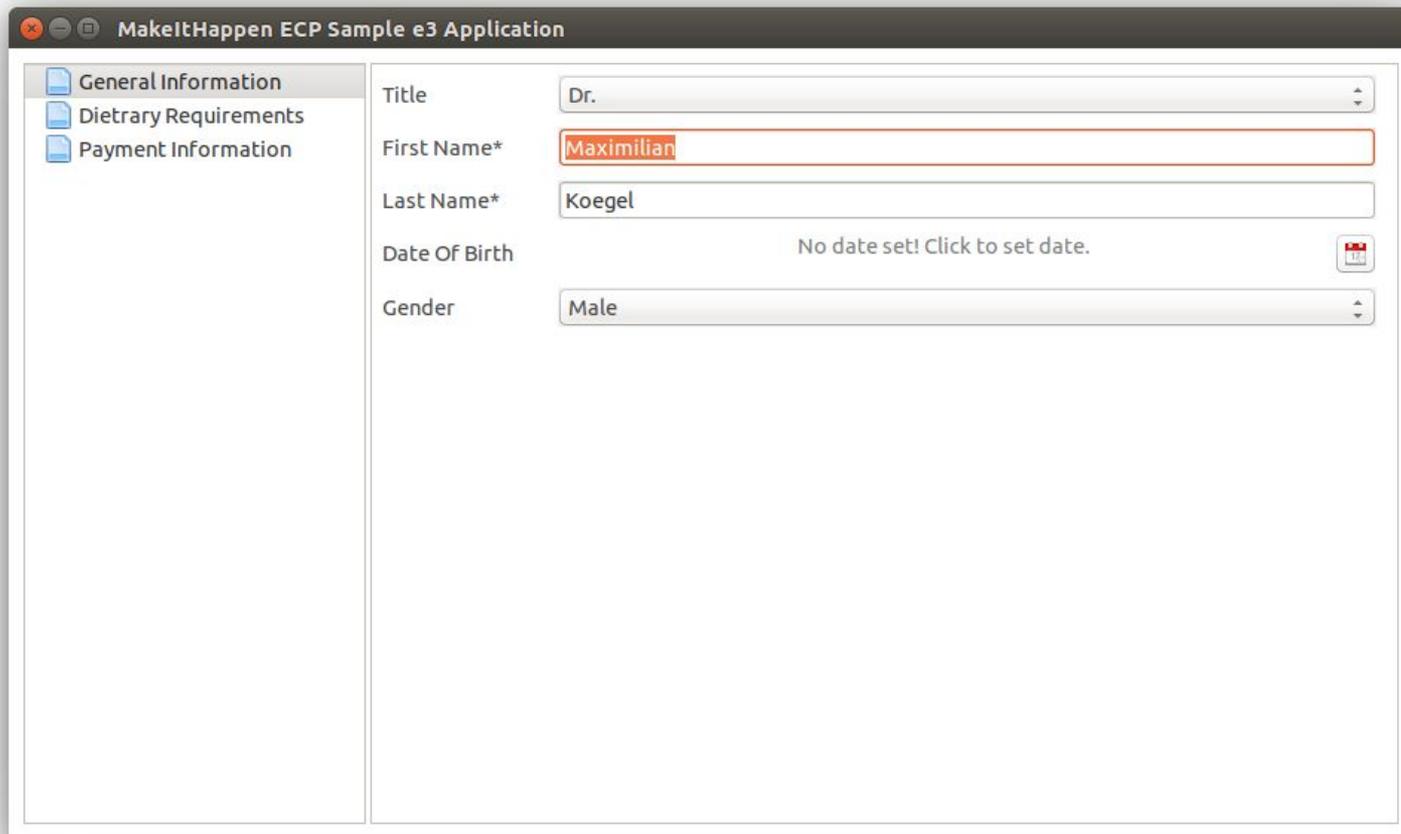
Make it happen!

Creating a complex form-based UI in 30 minutes

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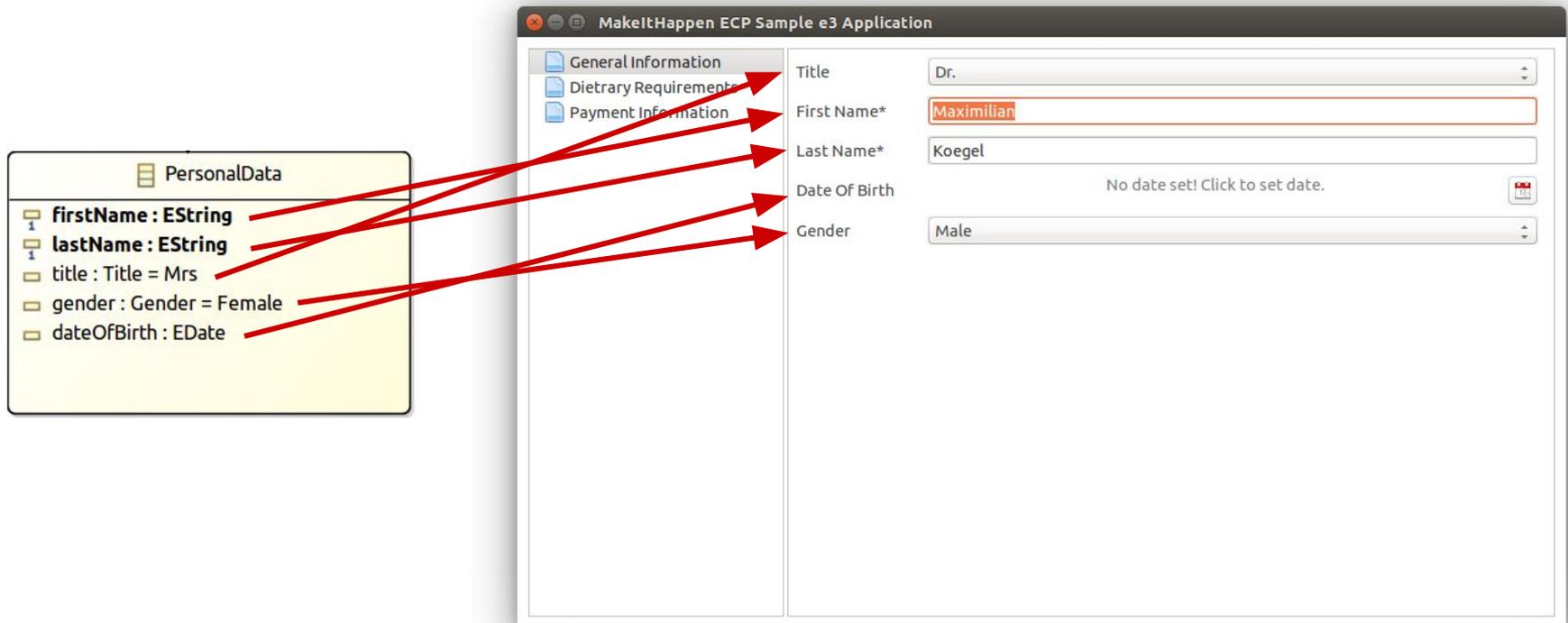
Data is often viewed/edited in a form-based UI



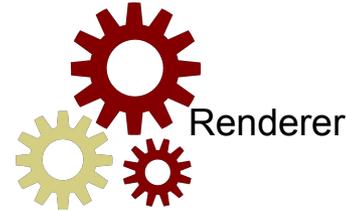
The screenshot shows a window titled "MakeItHappen ECP Sample e3 Application". On the left, there is a sidebar with three items: "General Information" (selected), "Dietary Requirements", and "Payment Information". The main area contains a form with the following fields:

Title	Dr.
First Name*	Maximilian
Last Name*	Koegel
Date Of Birth	No date set! Click to set date. 
Gender	Male

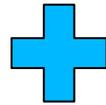
Data model needs to be mapped to UI



Modeling the UI



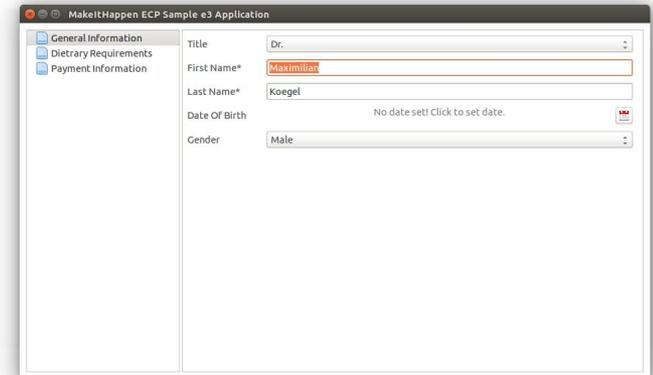
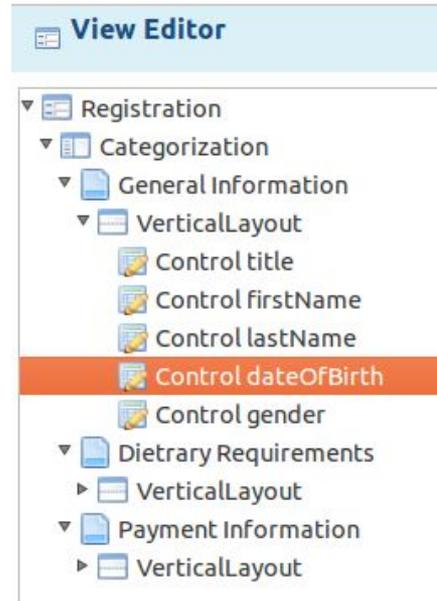
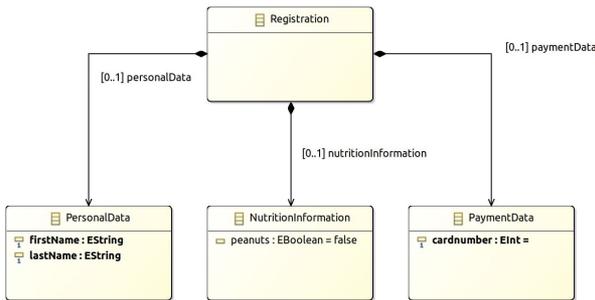
**Domain Model
(XSD, Ecore)**



View Model



User Interface





Data Model and UI Model: Iteration 1

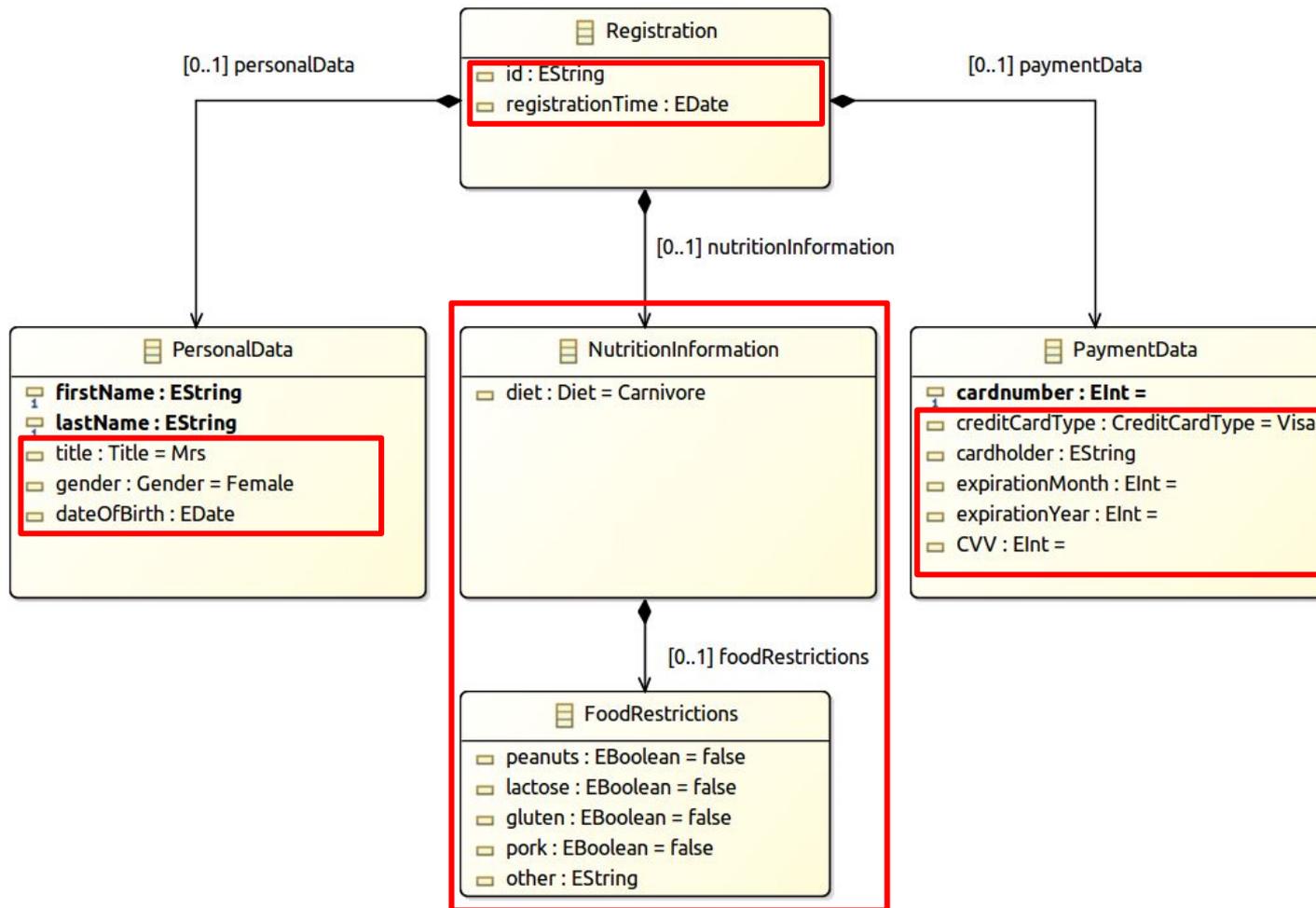
The screenshot shows a form titled "MakeItHappen ECP Sample e3 Application". On the left, there is a sidebar with three items: "General Information" (selected), "Dietary Requirements", and "Payment Information". The main area contains the following fields:

Title	Dr.
First Name*	Maximilian
Last Name*	Koegel
Date Of Birth	No date set! Click to set date. 
Gender	Male

tData



Data Model and UI Model: Iteration 2

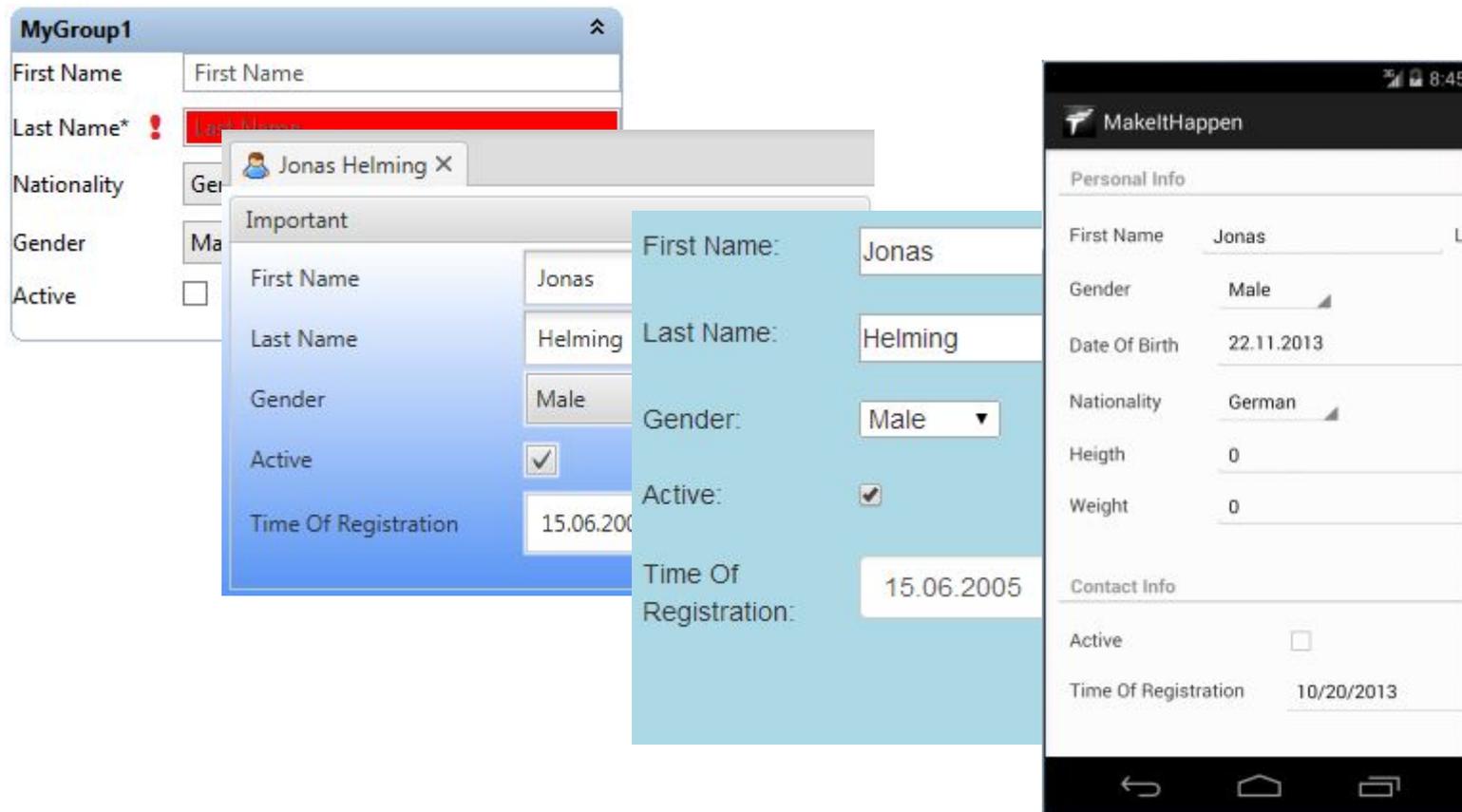


EMF Forms Core Features



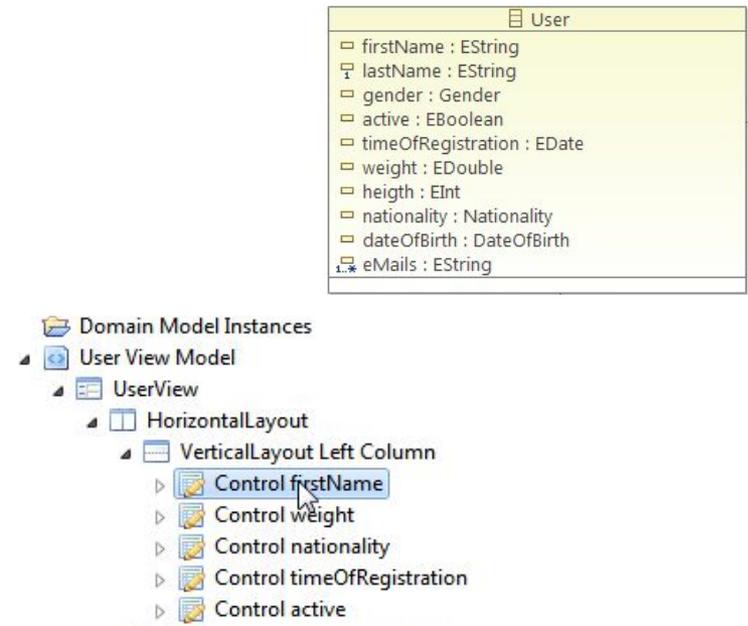
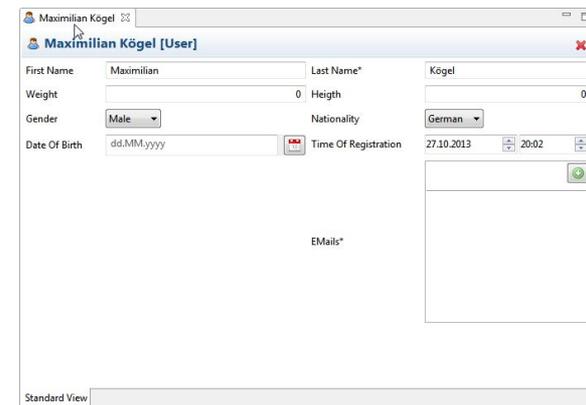
- ✓ Controls to edit data + Layouts to structure UI
- ✓ IDE-Tooling
 - Many additional view model elements
- ✓ Live-Validation
- ✓ Rule-based visibility and enablement of controls
 - Exchangeable UI Technology:
 - SWT (Production)
 - JavaFX (Demo)
 - Browser/Web based on RAP (Production)
 - Browser/Web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

The screenshot shows a user registration form titled 'Maximilian Kögel [User]'. The form contains the following fields:

- First Name: Maximilian
- Last Name*: Kögel
- Weight: 0
- Height: 0
- Gender: Male (dropdown menu)
- Nationality: German (dropdown menu)
- Date Of Birth: dd.MM.yyyy (calendar icon)
- Time Of Registration: 27.10.2013 20:02 (calendar icon)
- E Mails*: (empty text area)

The form is displayed in a 'Standard View' window.

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**



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