Data-centric editors for domain experts with EMF Forms

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Representing data for domain-experts
Engineering Data is often viewed/edited in forms!
Manual coding is a lot of effort...

```java
new Label(parent, SWT.NULL).setText("Date");
txtBirthDate = new Text(parent, SWT.BORDER);
txtBirthDate.setMessage("Enter birth date of the player in the format yyyy-MM-dd");
txtBirthDate.setLayoutData(new GridData(GridData.FILL_HORIZONTAL));

EMFUpdateValueStrategy stringToDateStrategy = new StringToDateStrategy;
stringToDateStrategy.setConverter(new StringToLong);
stringToDateStrategy.afterGetValidator(new DefaultValidator);

EMFUpdateValueStrategy dateToStringStrategy = new DateToStringStrategy;
dateToStringStrategy.setConverter(new DateToStringStrategy);

Binding dateBinding = databindingContext.bindVa
    txtNameProperty.observeDelayed(Delay, true,
    EMFEditProperties.value(editingDomain,
    stringToDateStrategy,
    dateToStringStrategy);

ControlDecorationSupport.create(dateBinding, SWT
    new BackgroundSettingControlDecoration);

private final class BackgroundSettingControlDecorationImpls {

    @Override
    protected void updateControlDecoration (Decoration decoration)
    {
        if (status != undefined) {
            Label Nachname = new Label (shell, SWT.NONE);
            Nachname.setText ("Nachname");
            NachnameField.setData (data);
        }
        super.update (declaration, status);
    }

    private static final SimpleDateFormat DATE_FORMAT = new SimpleDateFormat("dd/MM/yyyy");

    public boolean validateObject (Object value) {
        try {
            DATE_FORMAT.parse (stringVal);
            return ValidationStatus.OK;
        }
        catch (ParseException e) {
            return ValidationStatus.error ("Is not a valid date.");
        }
    }
}
```
Forms can be very efficiently described as a model
Model-based UI development with EMF Forms
Getting started
What about hierarchies and tables?
How to embed the forms?
What about validation?
What about conditional visibility/enablement?
How to customize controls and layouts?
What about the web?

EMF Forms => JSON Forms
Does EMF Forms support … ?
Conclusion

- EMF Forms is open source
- EMF Forms is active and mature (current version 1.22.0)
- Code and documentation is available: http://emfforms.org
- Follow us on twitter: #emfforms / @emfforms

Questions?

Get in contact with us for support around EMF Forms!

Here at our booth

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