Serie 5 - Model-Driven Development

Setting up the environment

Download the Magritte image from
http://scg.unibe.ch/download/lectures/sde-exercises/MagritteImage.zip.
You will need the COG VM for running this image which you can download from
http://www.pharo-project.org/pharo-download virtual machine section.

Exercise 1

Add a new field that holds a *Comment* about the person, display it as a text-area field as the last element. Test it in the Web browser by starting a new session on the same application. If you are required to add more than one new method by hand you did something wrong.

Exercise 2

Add a new field that holds the *Nationality* of the person, display it as a sorted drop-down box with a few selectable countries. Put it right after the *Address* field. The default choice for new objects should be *Switzerland*.

Exercise 3

Add a new field that holds the *E-Mail* of the person, display it as a required text-field. Add custom conditions to force the user to give a valid e-mail address. Don't allow addresses from the providers `hotmail.com` and `gmx.com`, `gmx.de`, `gmx.it`, etc. Test your code in the Web browser.

Exercise 4

Reuse the description of the *Nationality* from `MAPersonModel` in the model of the address `MAAddress-Model` by calling the appropriate description of the person and changing the label to *Country*. Make sure not to modify the original description by creating a copy. Test it in the Web browser.

Please hand in by email to ressia@iam.unibe.ch the solutions before the beginning of the next exercise session. The email should have a single attachment (named Assignment[#]-Group[#]) with all the required files. The source code should be provided as a single zip file. The questions should be answered in a text document. Your solutions should be clearly marked with names and immatriculation numbers of the team members.