

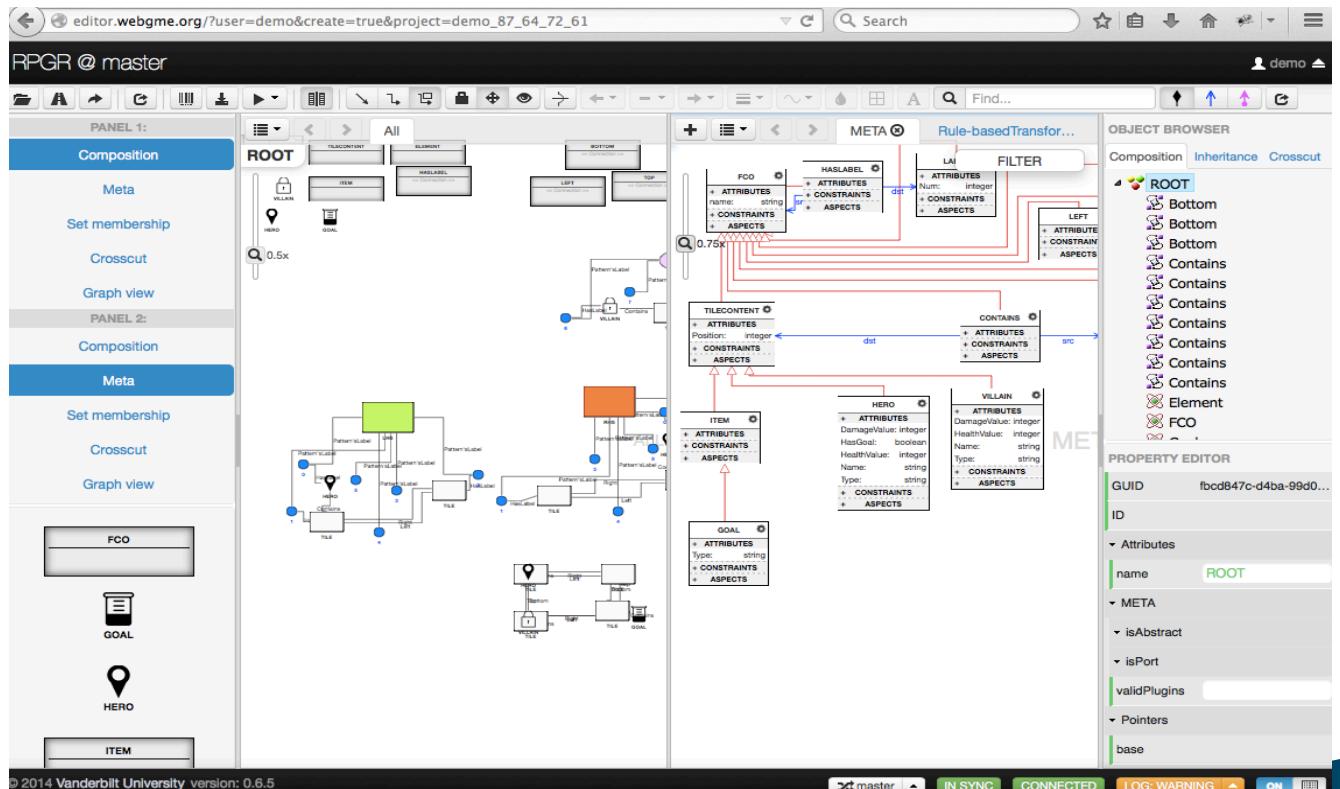
Model Driven Engineering

 University
of Antwerp

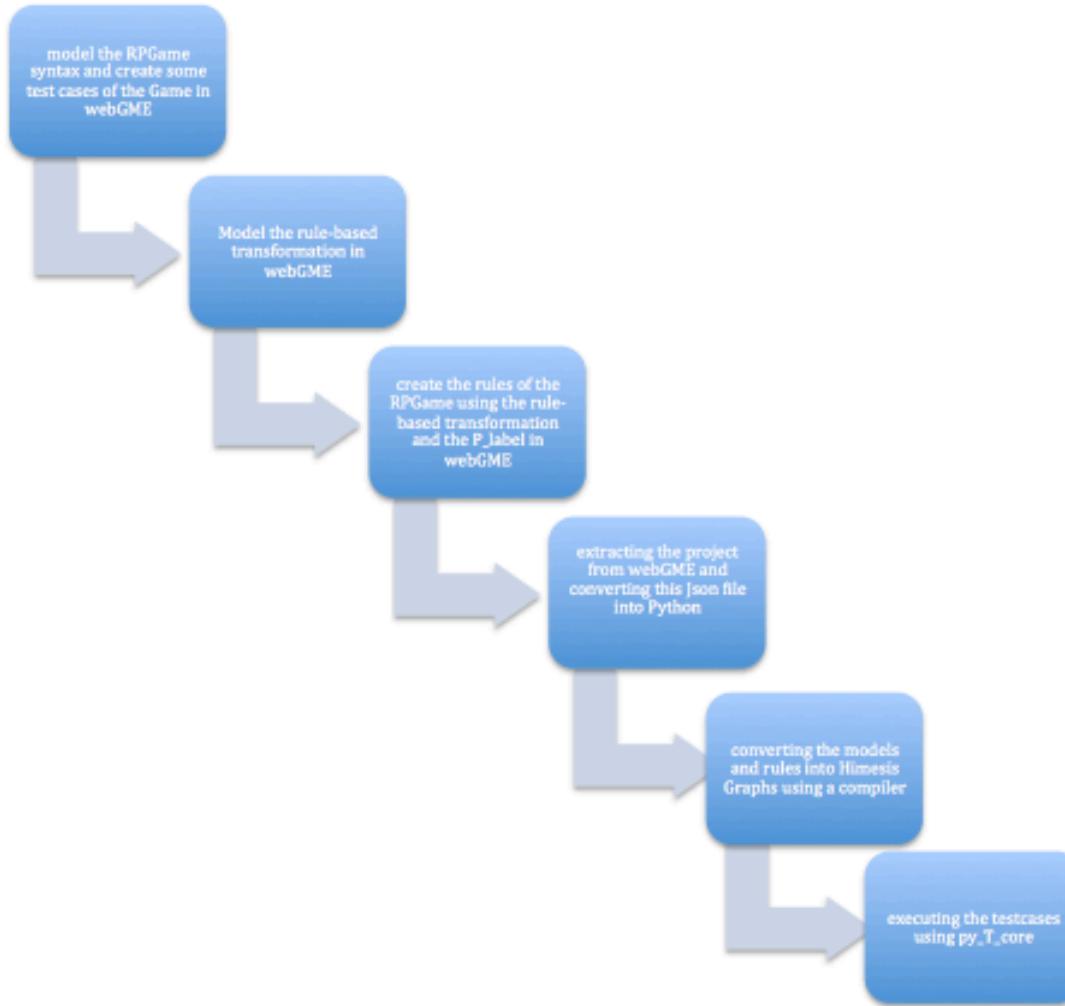
Modeling RPG game using WebGME

Raha Naseri

- What is WebGME?
- How does it look like?
- Why should I use WebGME?



The plan for this project



Advantages

- Prototypical inheritance
- Automatic save/compilation
- Scalable access to the database on cloud
- Version control
- Online collaboration

Disadvantages

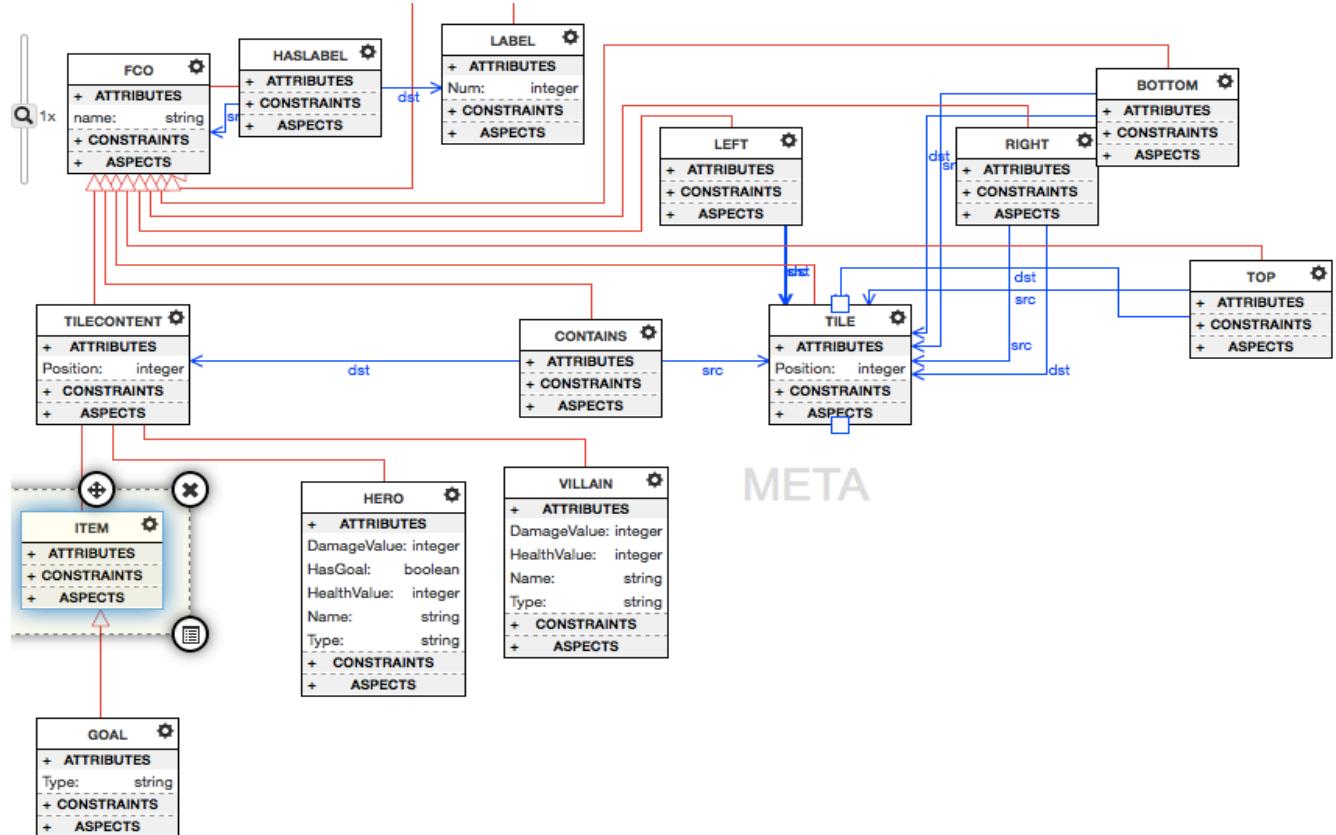
- No separate pages for models
- Practically No Multi paradigm
- Fixed inheritance relation
- Limited types available for attributes



Implementation

Modeling RPGGame in webGME

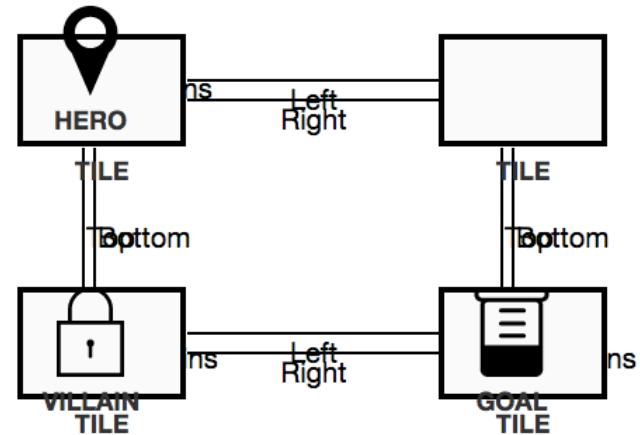
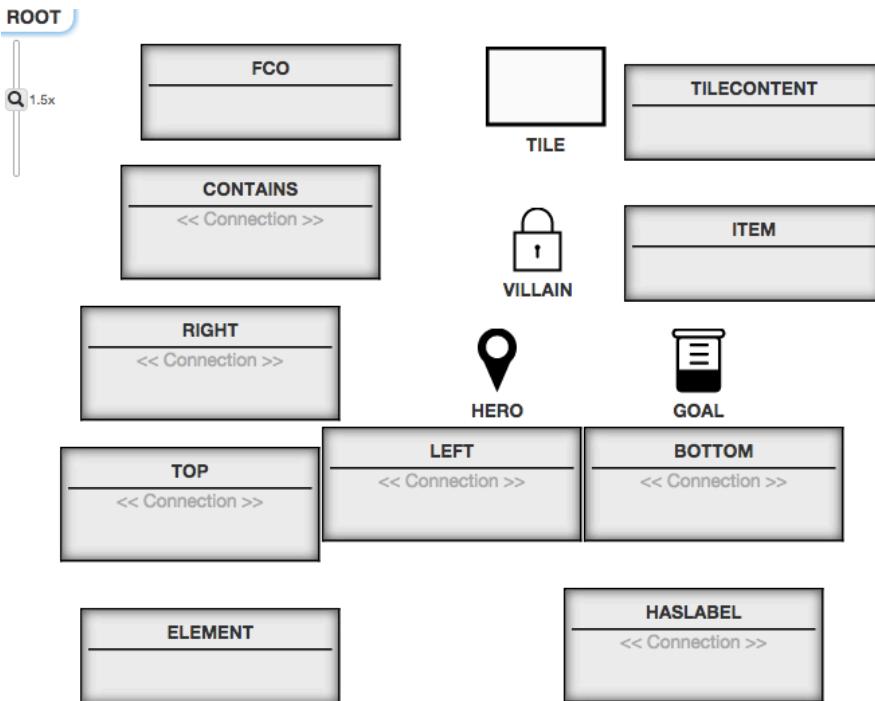
- Abstract syntax



Implementation

Modeling RPGGame in webGME

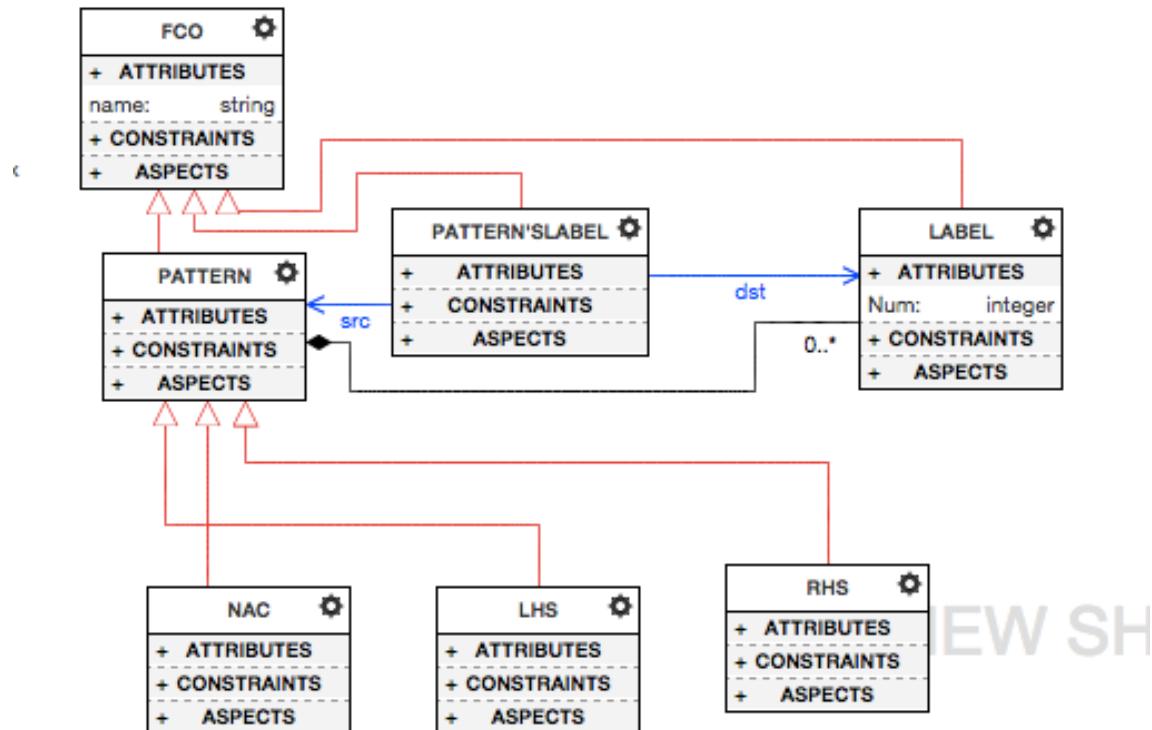
- Concrete syntax
- TestCase



Implementation

Modeling Rule-Based Transformation in webGME

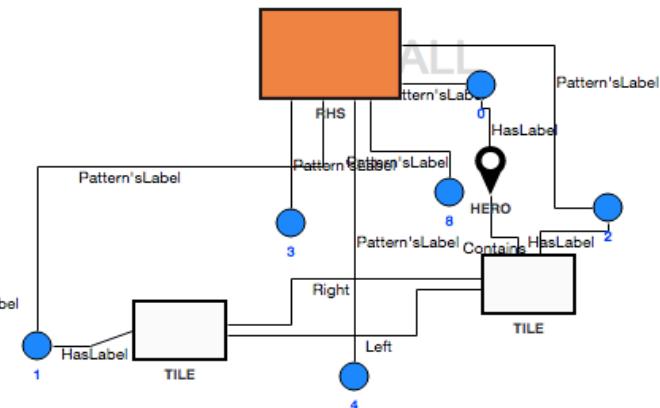
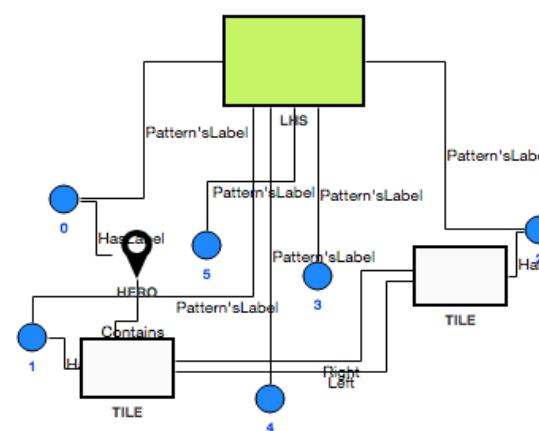
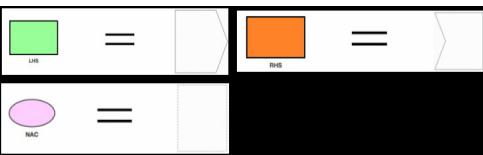
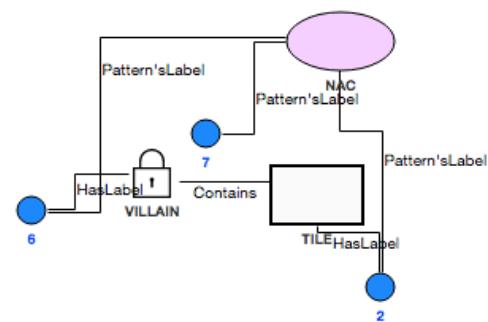
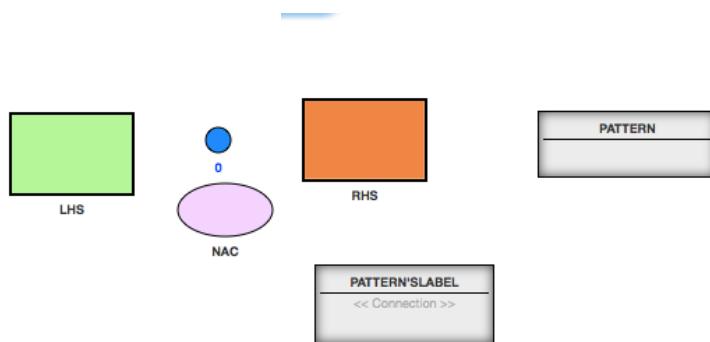
- Abstract Syntax



Implementation

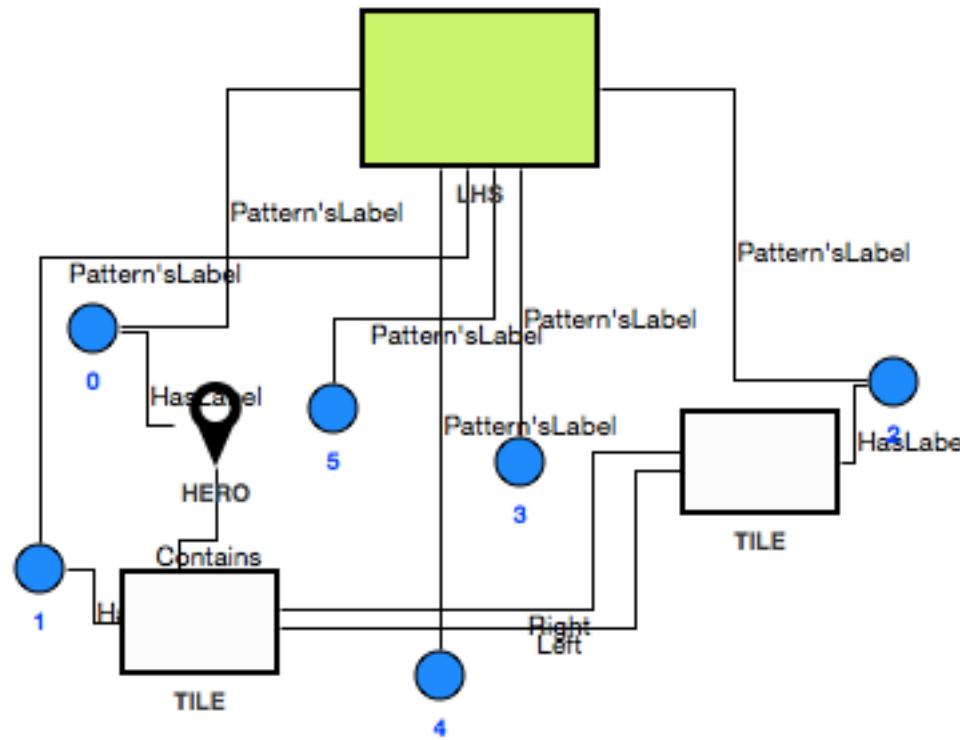
Modeling Rule-based Transformation in webGME

- Concrete syntax
- A RPGGame Rule



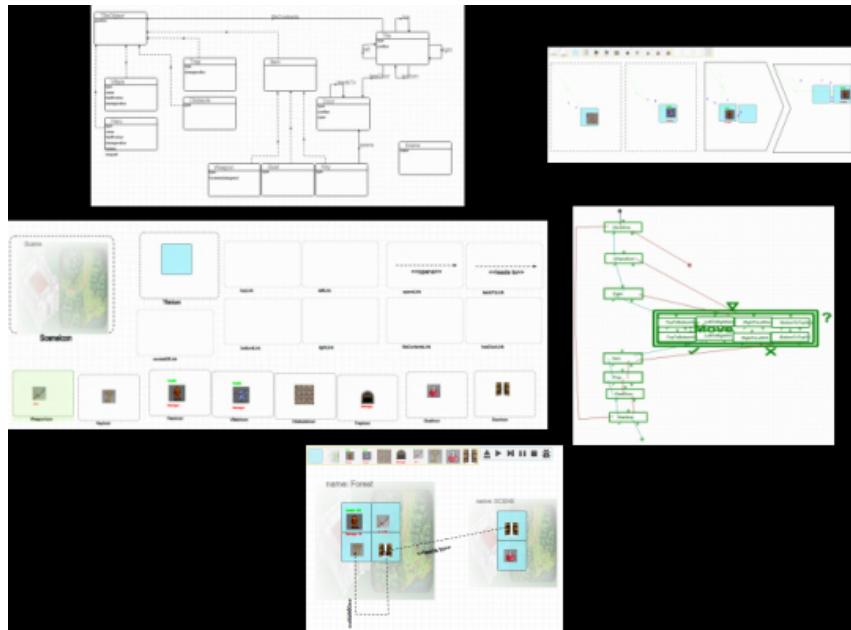
The Obstacle

It is Not possible to assign a label to the associations of the RPGGame

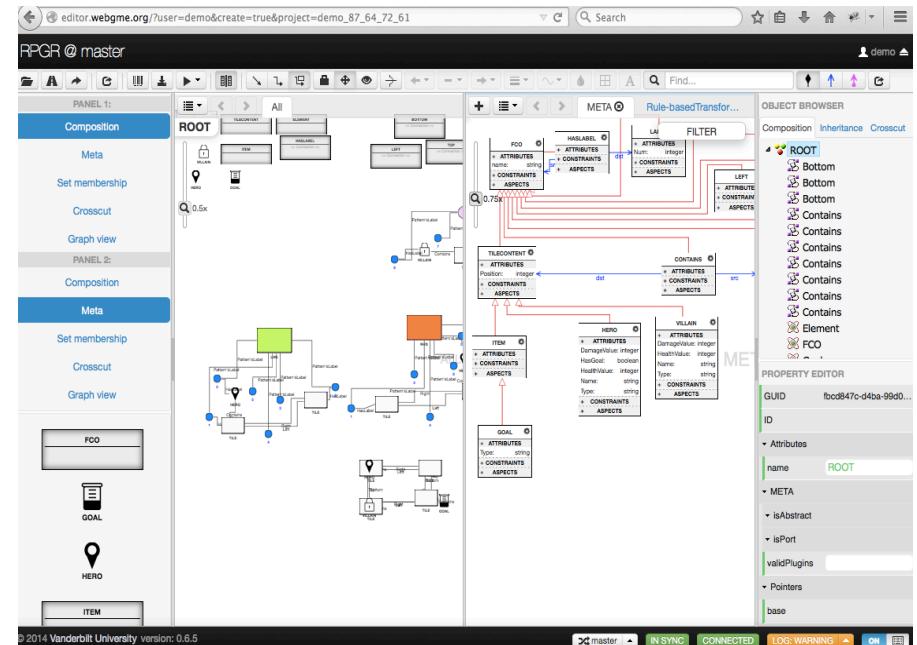


WebGME vs. AToMPM

- AToMPM a complete package for modeling while in webGME the syntax modeling stages is possible
- Simple and structure of AToMPM vs complex structure of WebGME
- Importing images is not possible in WebGME while it is possible in AToMPM
- Compilation and saving Automatic in WebGME while it is Manual in AToMPM
- Online collaboration easier and faster in webGME compared to AToMPM



VS



Questions?

