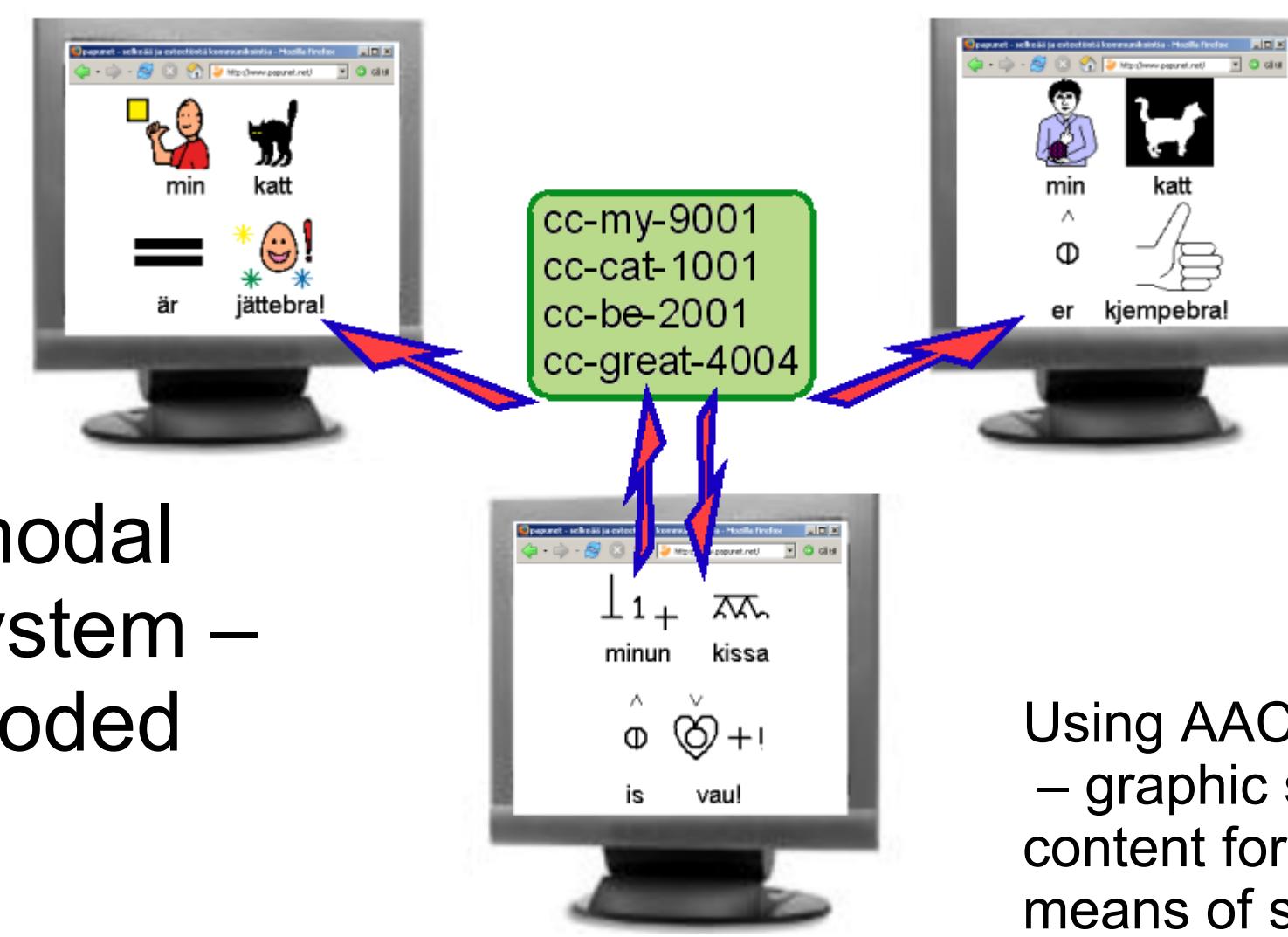


# SYMBERED

## Symbol and Concept Editing Tools

### What?

Developing editing tools for multimodal – multilingual and multi symbol system – web content, based on Concept Coded ontology material



### Why?

Using AAC (Augmentative and Alternative Communication) – graphic symbol support etc. – to improve access to web content for persons having problems in accessing standard means of spoken and written communication

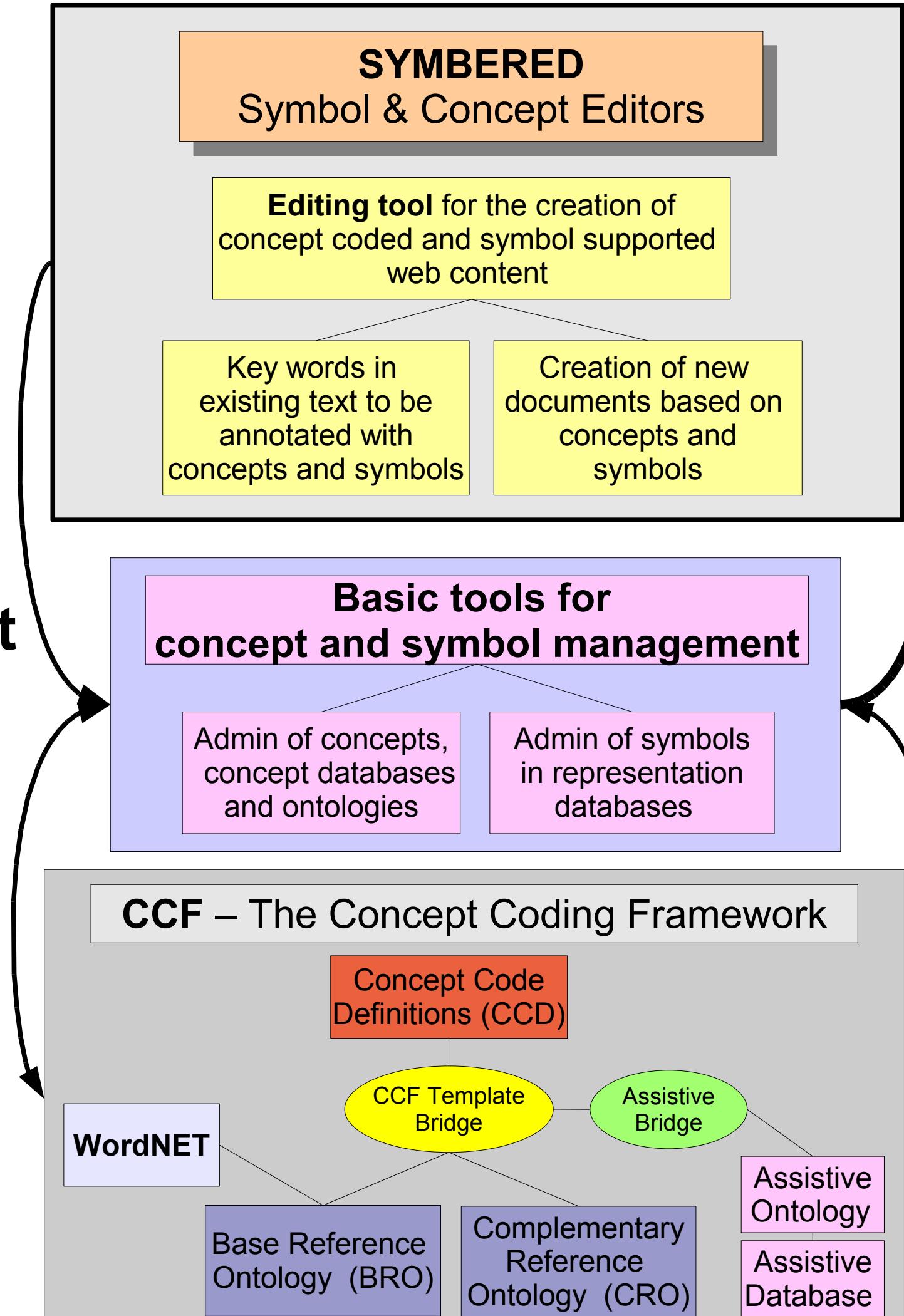
### Hows:

CCF defined as an Open Source Controlled User Vocabulary

Supporting Content Management Systems (CMSs) with multilingual and multimodal editing and presentations – based on CCF  
1:st target being [www.papunet.net](http://www.papunet.net)

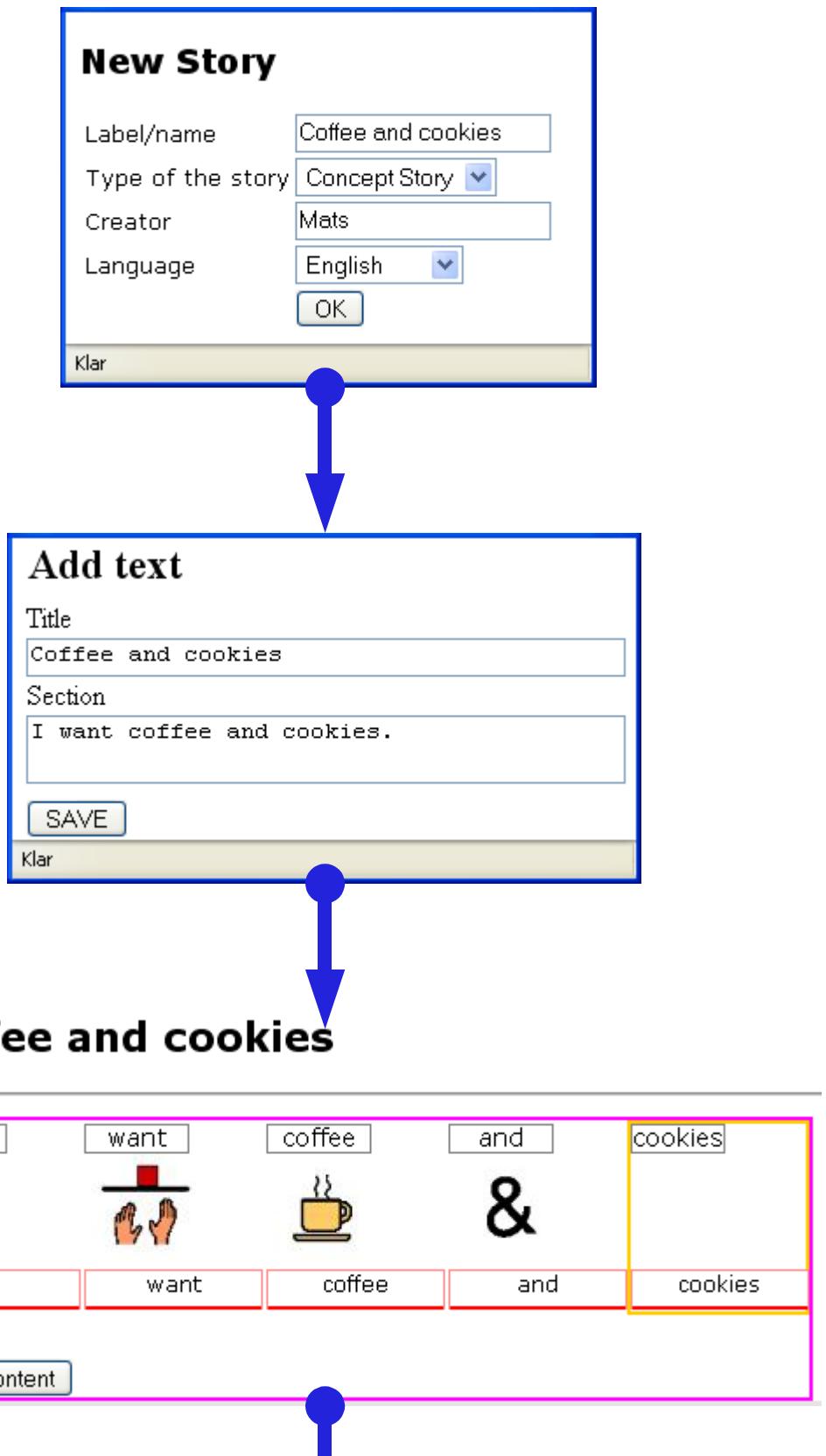
**Components** based on JPF (Java Plugin Framework) for accessing and managing ontologies in different storage formats, including **SQL**, **RDF-OWL** (Jena), **WordNet**

Supporting extensibility and easy integration into other web content environments



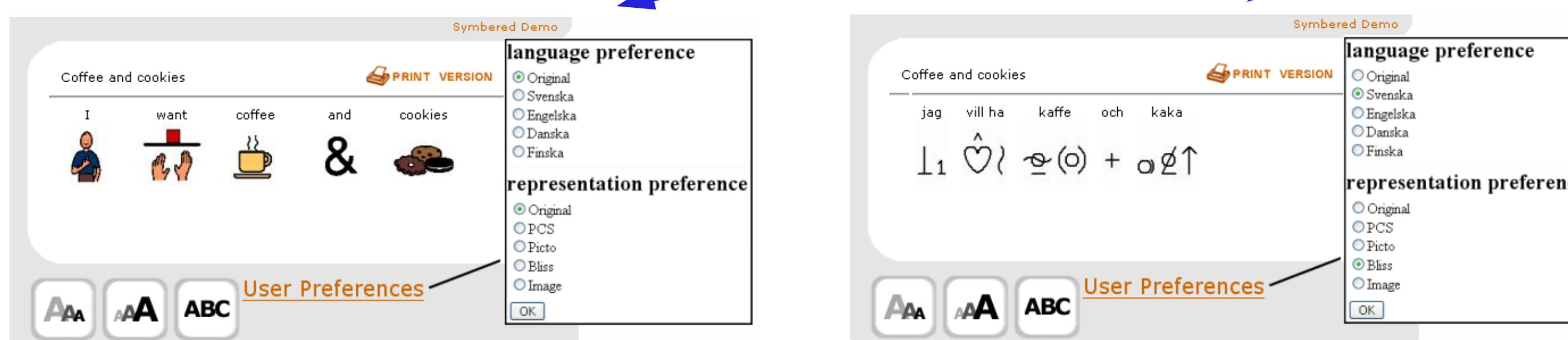
### Outcomes:

Papunet content editing:



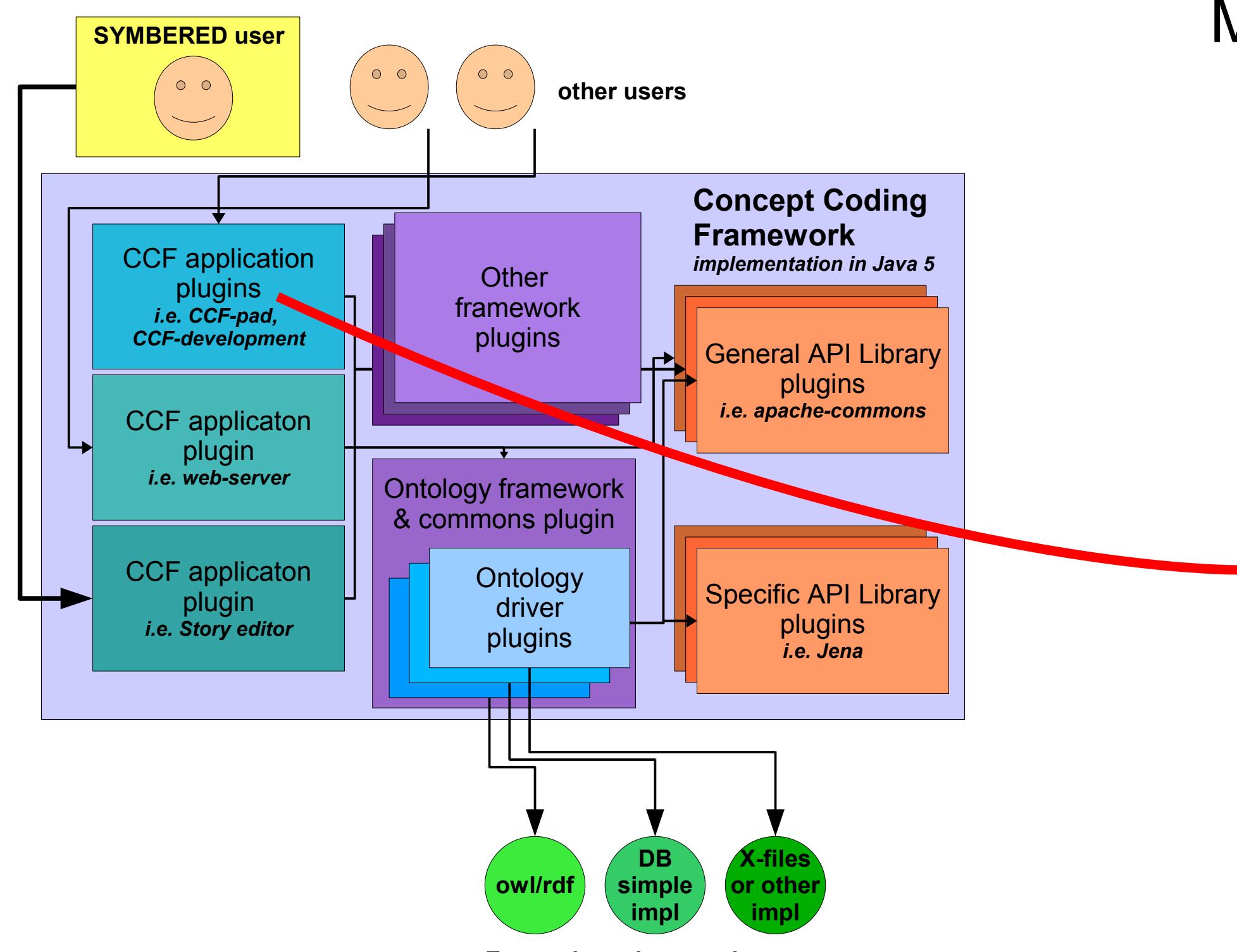
### Outcomes:

Papunet end-users' content views:



### Outcomes:

SYMBERED/CCF JPF Plugin Architecture:



SYMBERED/CCF Concept Browser and Management Tool:

