

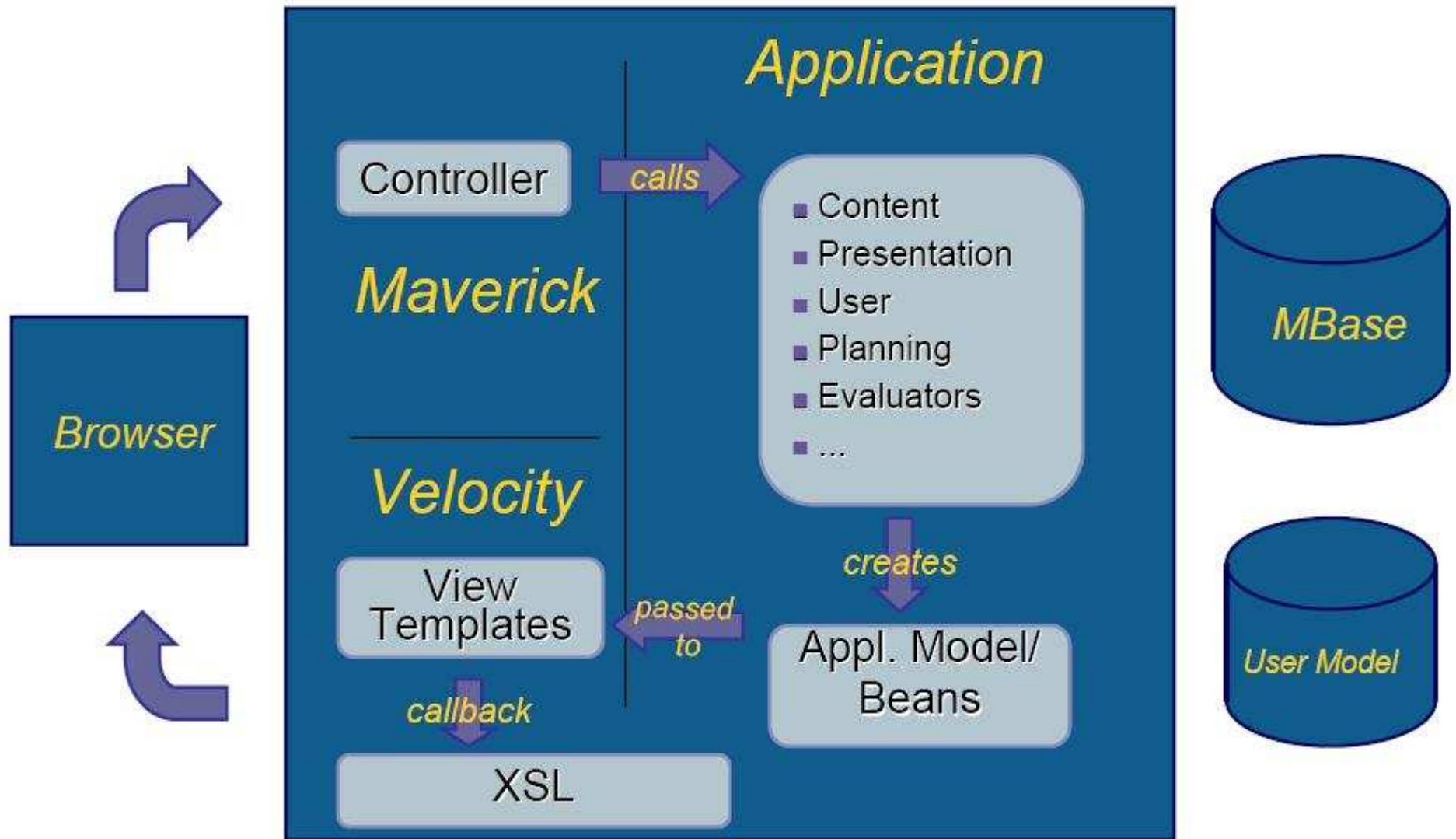
# Active Math

- User-adaptive web-based learning environment for mathematics
- Employs intelligent technologies(Maverick,Velocity)
- Open-source license to all public education institutes
- Modular and Scalable

*ActiveMath has been developed by Dr. Erica Melis and her group at the DFKI and the Saarland University.*

*<http://www.activemath.org/>*

# ActiveMath System Architecture



# System Description

- Knowledge Representation

KR is in *OMDoc*, an extension of *OpenMath* standard.

- OMDoc encodes the semantic of mathematical objects as well as meta-data and mathematical facts such as theorems, definitions, proof methods and proofs, natural language formulations as well as formal (OpenMath) objects.
- OMDoc is an XML based semantic representation of Mathematical objects that provides an Ontology for the course content.

