MARIA

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MARIA XML Features

- Support for Data Model
  - Useful for specifying the format of input values, association of various data objects to the various interactors, ..
- Events at abstract/concrete levels
  - Property change events / Activation events (e.g. access to a web service or a database)
- Extended Dialogue Model
  - Conditions and CTT operators for event handlers, including support for parallel input
- Able to support user interfaces including complex and Ajax scripts
  - Continuously updating of fields without explicit user request
- Dynamic set of user interface elements
  - Conditional connections between presentations
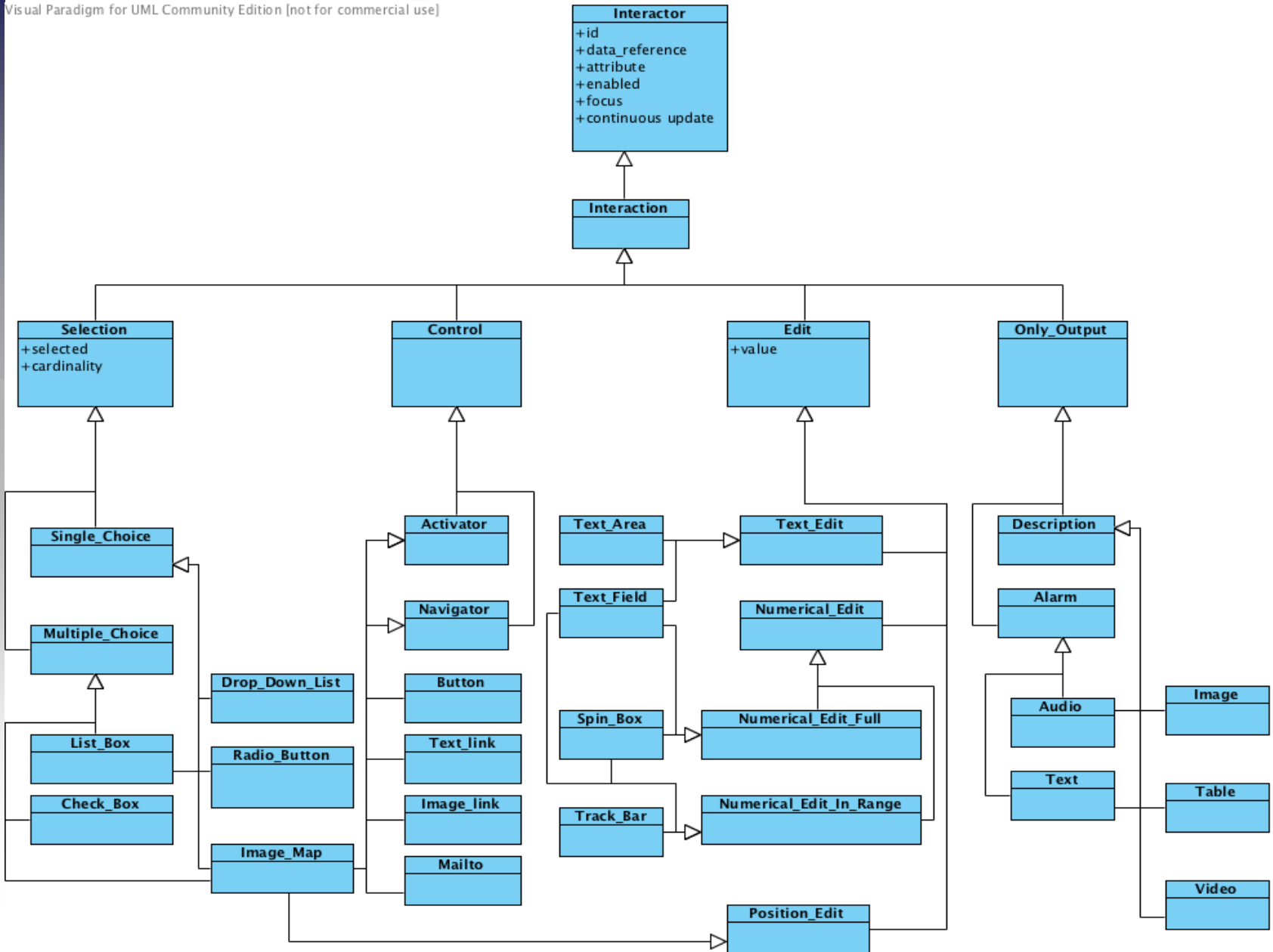 - Possibility to change only a part of a UI

Metamodel
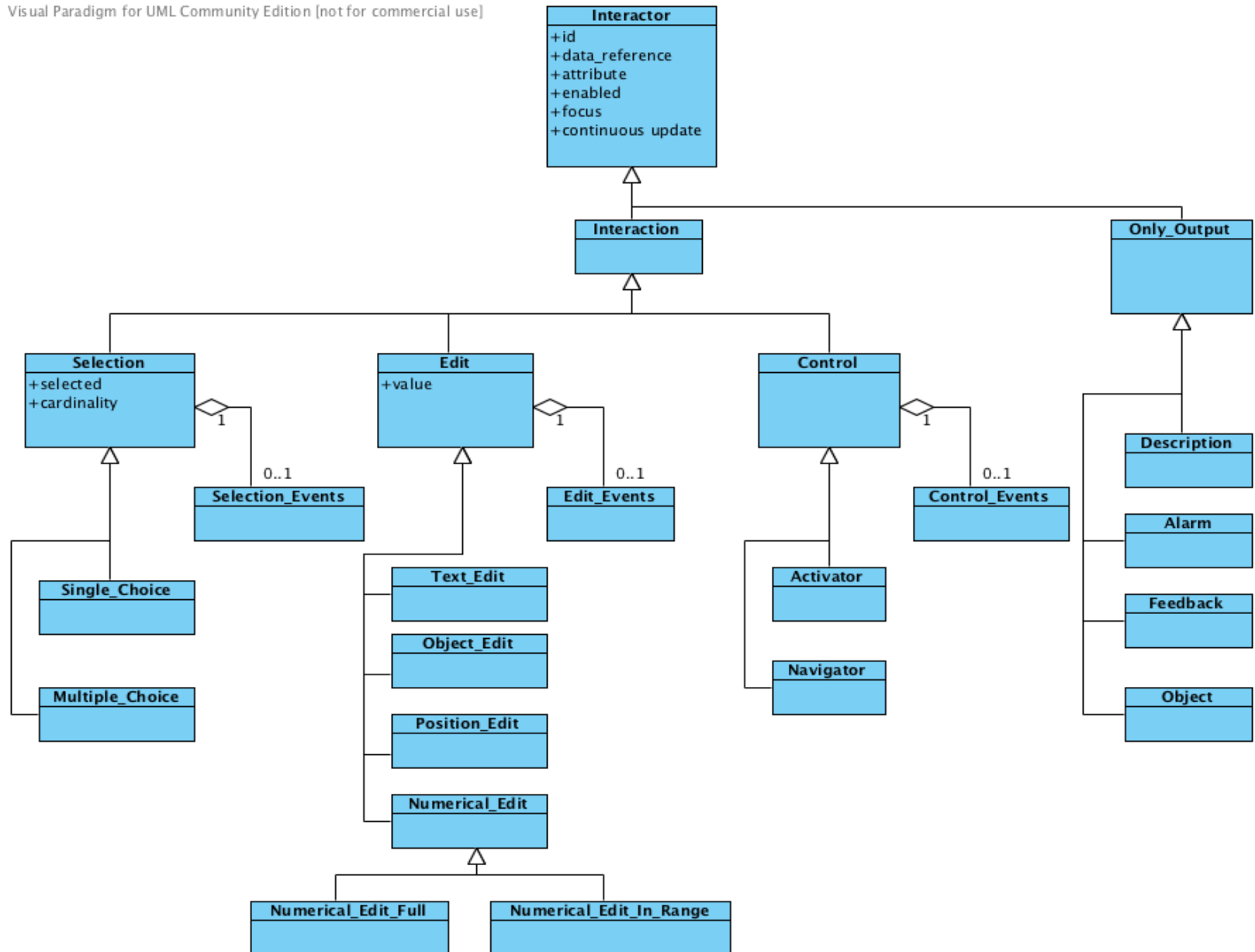
Metamodel

Graphical Concrete
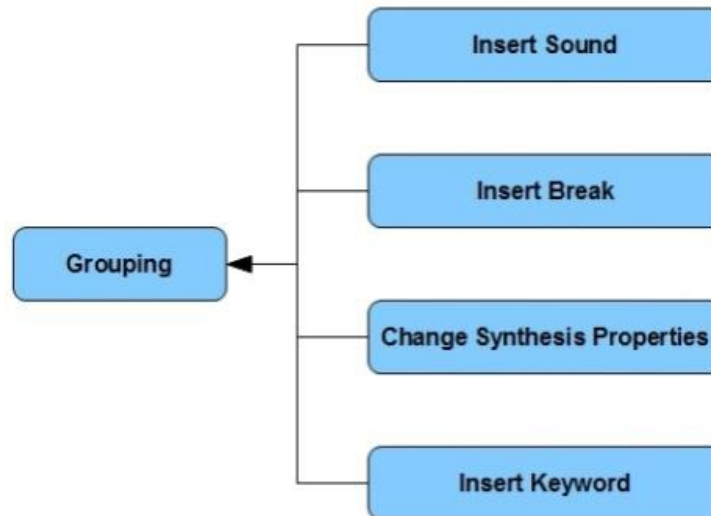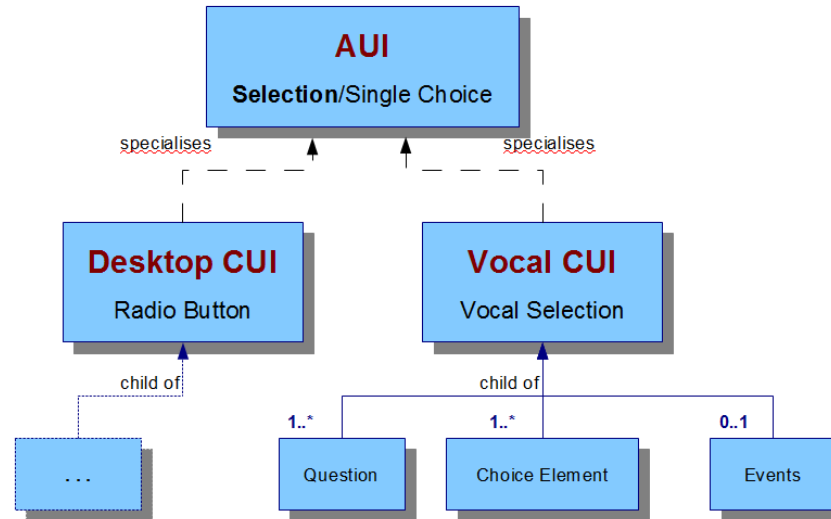
Vocal Concrete
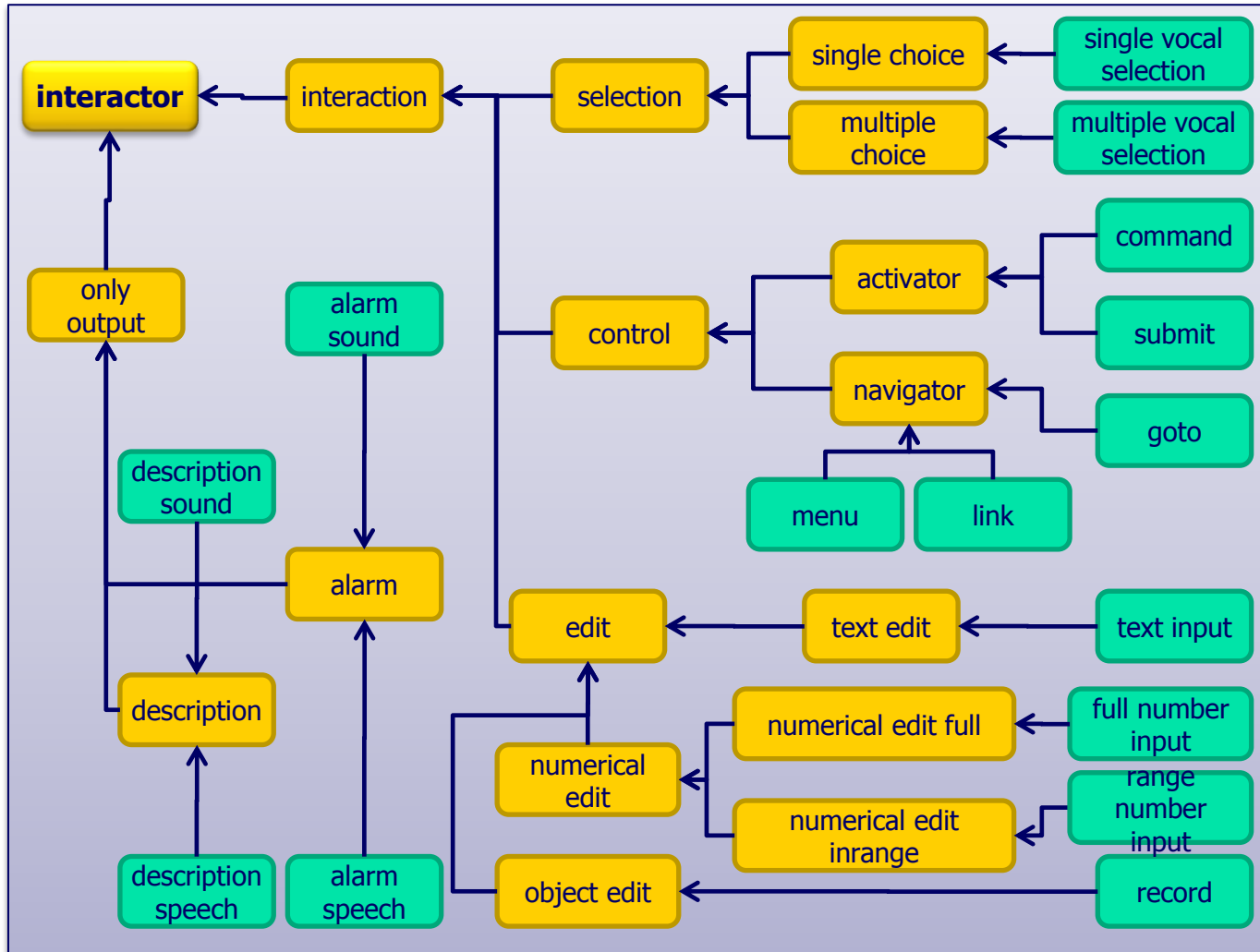
Vocal Concrete

MARIA Current State

- Concrete Languages: Vocal, Desktop, Smartphone with touch, Mobile, Multimodal desktop, Multimodal mobile

- Implementation languages: XHTML, SMIL, VoiceXML, X+V – Working on HTML 5

MARIA AUI Example

- When *value changed event* of the text_edit interactor occurs
- A function is called using an abstract script, which retrieves relevant values that populate *the suggestion data*
- And the *hidden* property of the single choice interactor is changed to false, thus visualising the suggestions
- When *value selected event* occurs then the choice hides itself and the input of the text_edit is completed with this value
- When *selected element* in text_edit changes, two activators (Select and Monitor) are enabled to access further detail

MARIA Example