

Ontwerp van SoftwareSystemen

5 Model-View-Controller

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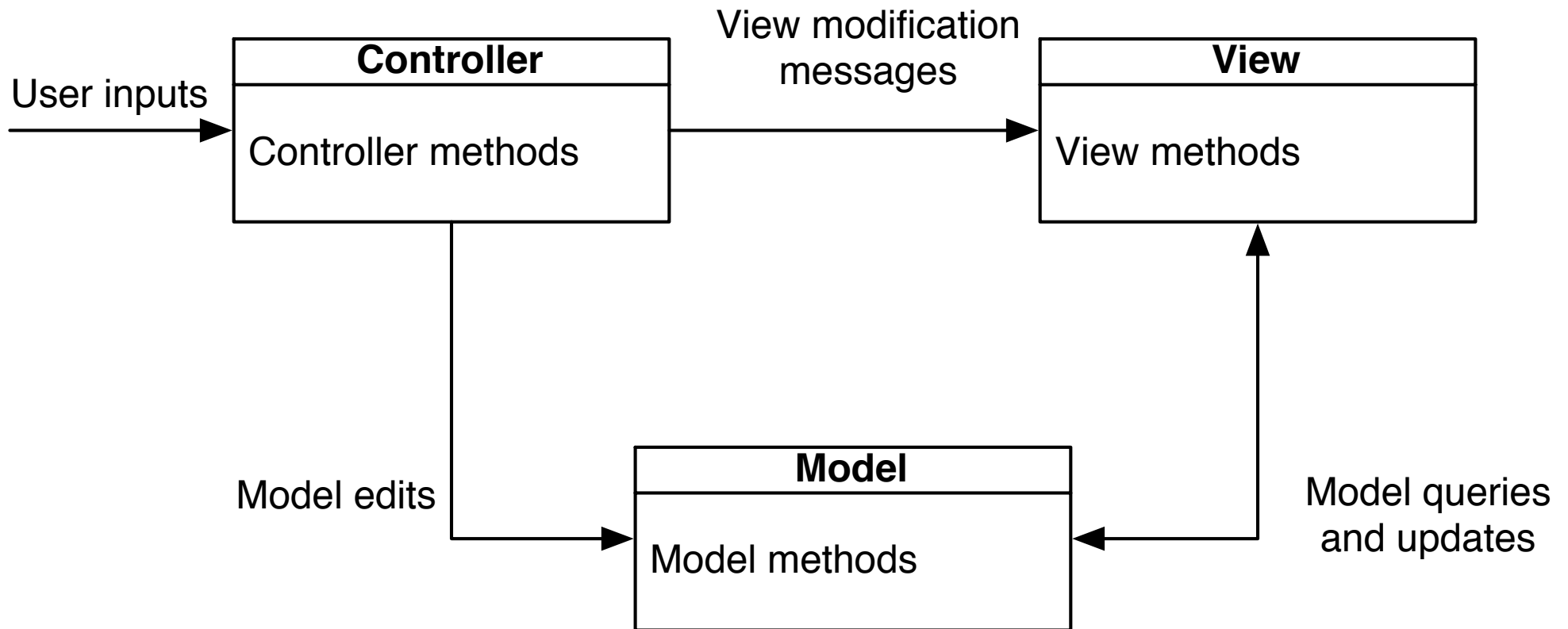
Model-View-Controller

- MVC = Model View Controller
- Framework (not a pattern) to build applications with a GUI
 - Uses several design patterns
 - Composite, Observer, Strategy, Factory, Bridge, ...
 - Used in many Application Frameworks

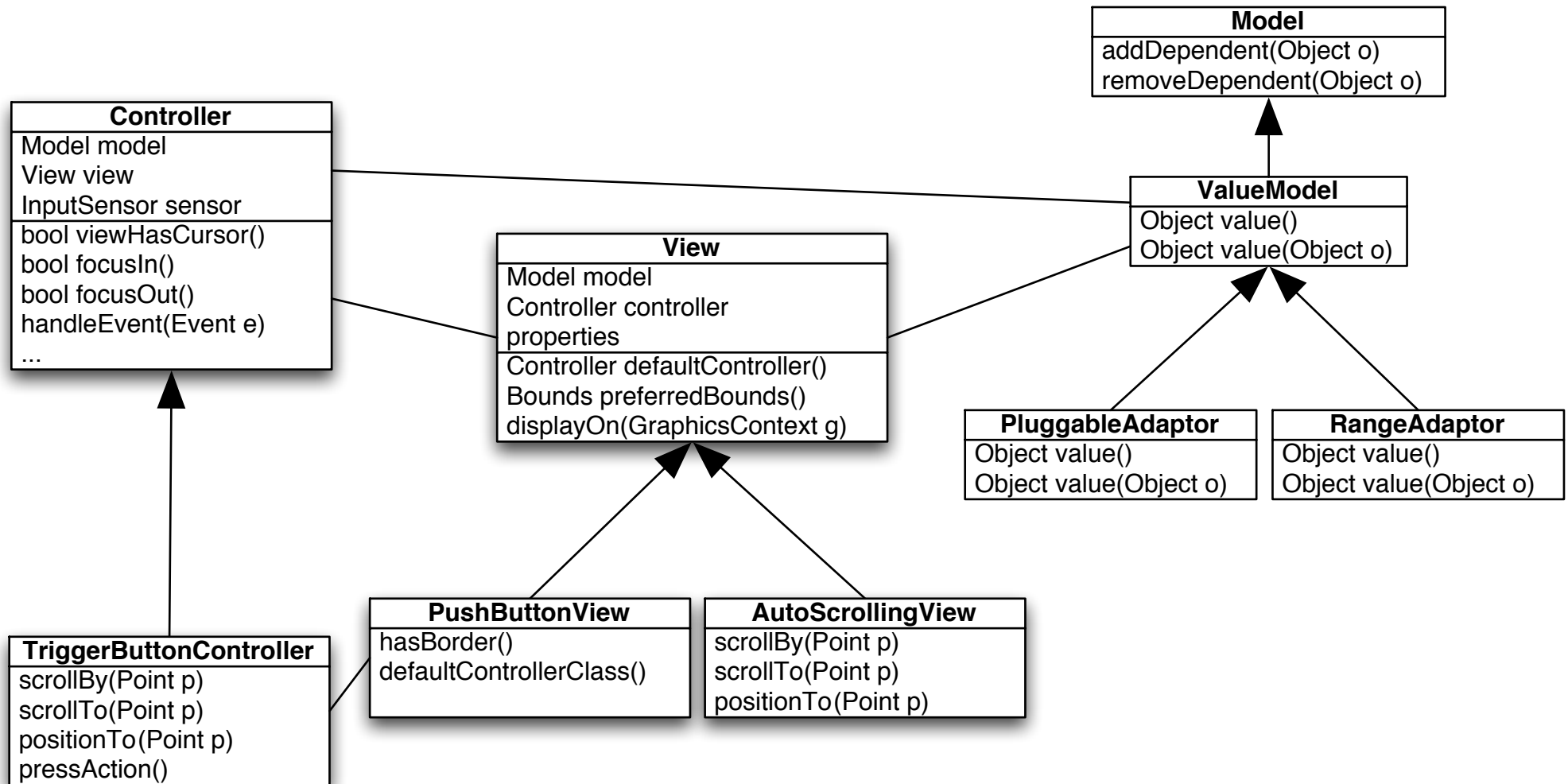
Model-View-Controller

- How to build a GUI application in such a way that:
 - there is a clearly separated model that implements your actual domain knowledge
 - this model can be viewed by several GUI interfaces that have to remain consistent with the model
 - nothing of this should be hardcoded

MVC Basic Structure



Some of the classes involved



(source: VisualWorks Smalltalk 7.2NC)

MVC Application Example

