UML / SysML

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Acknowledgments – contains material from Ed Seidewitz

Revision – What we've learned ...

- Motivation why modeling?
- Domain specific vs. general purpose languages
- Textual vs. graphical modeling languages
- Meta-models
- UML diagrams
 - Global functions Use case diagram
 - Different modes/states state machine diagram
 - Component-based modeling composite structure diagram
 - Behavior Activity diagrams
- Domain specific (modeling) languages DSLs / DSMLs
 - Editor generation with xtext

Revision – We've learned ...

- Domain specific modeling with UML
 - Real-time and embedded systems MARTE profile
 - Extend and Restrict the language UML profiles with OCL rules
 - Exploit the language for code generation static profiles
- Model transformations and code generation
 - OMG QVT and ATL
 - Code generation (running/debugging plugins)
- Practical use of UML in Eclipse/Papyrus, debugging
- SysML v1
- SysML v2

Feedback

- Which topic did you consider most/least important? (most/least interesting?)
- What did you understand / what was too difficult to understand?
- Too many topics, just right or something important was missing?
- Quality of course & material?
- Importance of modeling skills for getting hired?