

# Applying UML & Patterns (3<sup>rd</sup> ed.)

## Chapter 7

### OTHER REQUIREMENTS

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# Other Reqs - Supplementary Spec

- Important to know that UCs aren't suitable for all reqs
- Because, not all reqs determined by user-system dialogue
- Supplementary Specification (SS) captures non-functional reqs (URPS+)

# Other Reqs

- Glossary, Vision, Business Rule docs can also contain reqs
- Complicates req management when they're scattered in various artifacts!
- Put artifacts on web for easy access/high visibility
- Review sample SS on p. 104

# Other Reqs

- If an URPS+ req is specific to a UC, put in the UC
- URPS+ reqs are generally system-wide
- Play big role in determining system architecture
- Review Vision doc p. 109

# Other Reqs - Vision Doc

- Vision doc is highly concise
- Provides senior management-level overview
- Stresses key benefits & issues
- Favor bullets, figures & tables over text

# Other Reqs - Features

- A feature is a behavioral function a system can do
- A feature is an externally visible service, examples..
  - System does investment rate of return
  - System does credit risk analysis
- Feature list is high-level list of key system functionality

# Other Reqs - Features

- Prefer short (10-12) feature list of most valuable benefits
- Sensible approach to generating Inception artifacts
  1. Vision 1<sup>st</sup> draft
  2. Users & their goals (as UC names)
  3. Detail some priority UCs, start SS
  4. Revise vision doc

# Other Reqs - Glossary

- Note format of glossary doc (p. 115)
- Format/validation rules, range of values, etc. useful for OOAD and RDB analysis
- Serves as data dictionary
- Build glossary as you encounter key terms
- Include composite terms, too
  - Customer account

# Other Reqs - Business Rules (BR)

- aka 'domain rules'
- Usually cross-cut applications
- Encapsulate key expertise or knowledge
- Arguably, most valuable part of system

# Other Reqs - Business Rules (BR)

- Put in separate BR doc
- More involved than presented here
- BR modeling not well integrated into UP
- Major unresolved OOAD issue!

# Other Reqs - Summary

- By end of Elaboration, want
  - UCs, SS and Vision that are reasonably stable
  - Stable doesn't mean 'locked in stone'
  - Want client agreement on reqs + agreed upon process for controlling changes in reqs
- In construction, there should be little change to these docs