

## Requirements **Quality Verification**

Software Engineering and Databases Group Department of Computer Languages and Systems University of Seville December 2015

La traducción de este material docente ha sido financiada mediante la convocatoria 1.10B - Ayudas de innovación y mejora docente, convocatoria 2013-2014, modalidad B del II Plan Propio de Docencia de la Universidad de Sevilla. No ha habido financiación alguna para este proyecto de otros soportes.



- Learning objectives
  - Know the main concepts related to requirements quality.

Requirements Quality Verification

- Know the goals, products and techniques of requirements verification.
- Know the basics of requirements nonconformities management.



Requirements
nonconformities
management

December 2015



Requirements Engineering



## Requirements Quality Verification

- What is a quality model?
  - The quality model of a product is the set of quality characteristics to be assessed to determine its goodness.
- What is a quality characteristic?
  - A quality characteristic of a product is a desirable property of that product which helps make it good within its class.
  - For example: non-ambiguity of a requirement, syntactic correctness of a class diagram, source code following coding standards, etc.

December 2015

Requirements Engineering

Requirements Quality Verification Quality requirements model (Davis, 1993) 1. Unambiguous 15. Annotated by relative 2. Complete importance Requirements verification goal 16.Annotated by relative Correct Quality model for verification 4. Understandable stability 5. Verifiable 17. Annotated by version Verification techniques 6. Internally consistent 18.Not redundant 5. Checklists Requirements
nonconformities
management 19.At right level of detail 7. Externally consistent 8. Achievable 20.Precise 9. Concise 21.Reusable 10.Design independent 22.Traced 11.Traceable 23.Organized 12.Modifiable 24.Cross-referenced 13. Electronically stored 14.Executable/interpretable http://www.reqbib.com/adavis/ December 2015 Requirements Engineering



































