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BCS 3263 SOFTWARE QUALITY ASSURANCE

Chapter Two Quality Dimensions

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Chapter Description

- Aims
 - Identify the Four Dimensions of Quality
- Expected Outcomes
 - Inquire a knowledge of main software quality assurance activities, their tasks, work products and their models
- Other related Information
 - Introduces students to the concept of Software Quality Assurance (SQA) including principles, component, process, models, standards and certification of SQA.
- References
 - Mastering software quality assurance : best practices, tools and techniques for software developers / Murali Chemuturi Chemuturi, Murali, J. Ross Pub. QA76.76.Q35 C44 2011



Quality Dimensions



Specification Quality



Functionality Aspects



Capacity Aspects



Intended Use Aspects



Reliability Aspects



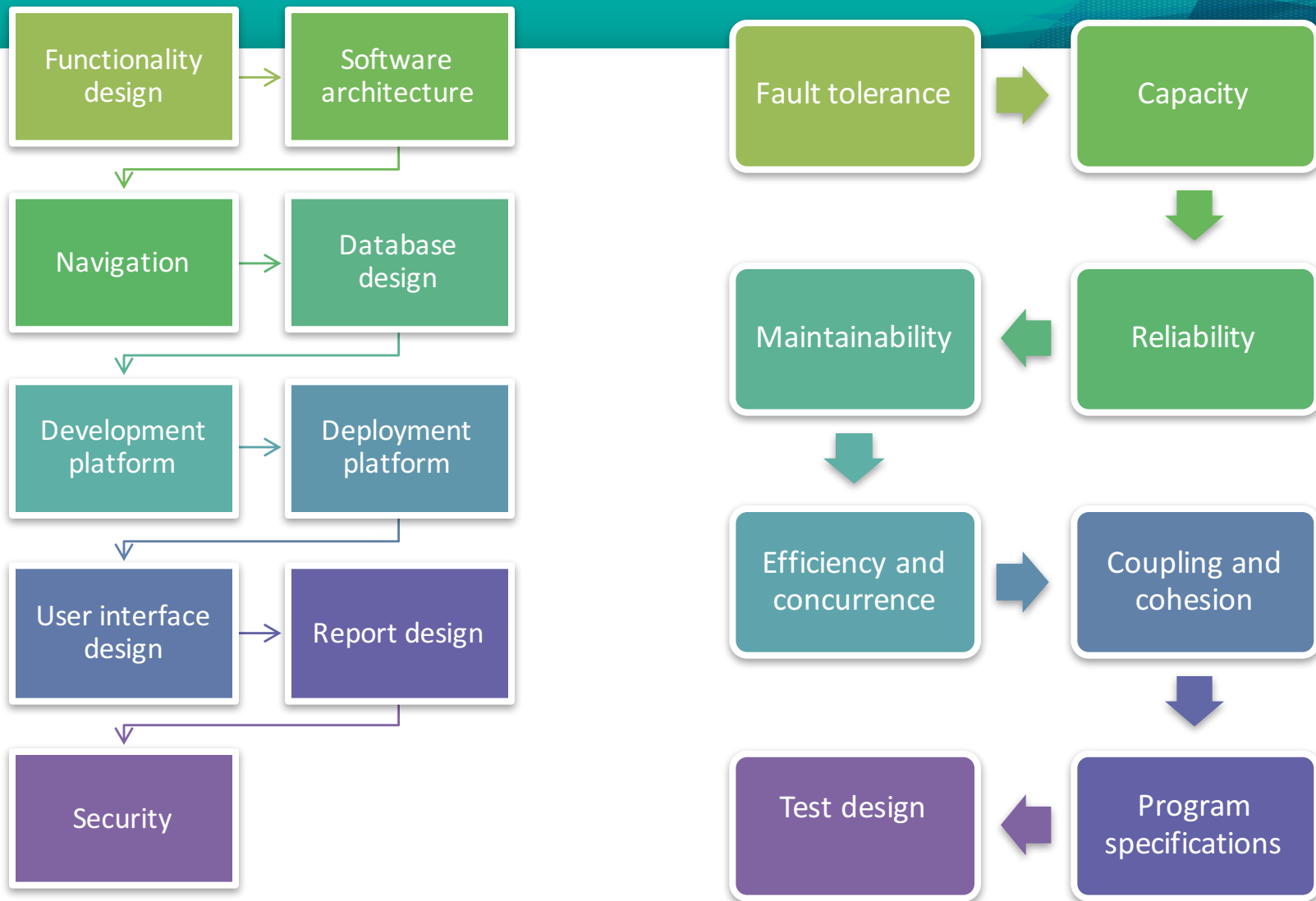
Safety Aspects



Security Aspects



Design Quality



Development Quality

Develop unit test plans.

Develop associated process routines.

Adhering to the coding guidelines of the PL:

Naming agreements,

Code formatting,

Efficiency guidelines, and

Defect prevention guidelines.



Forcing developers to write reliable and defect-free code



Conformance Quality

Ensures quality

Uncover defects

Examines quality.. Then:

- Process documentation
- Standards and guidelines, formats, and templates
- Checklists



Conclusion of The Chapter

- Conclusion #1
 - Specification Quality
- Conclusion #2
 - Design Quality
- Conclusion #3
 - Development Quality
- Conclusion #4
 - Conformance Quality



Thank you 😊