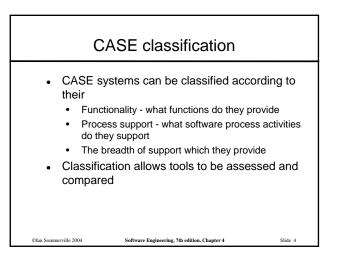


Slide 3

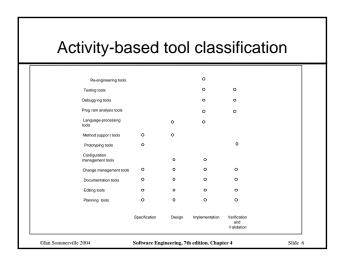
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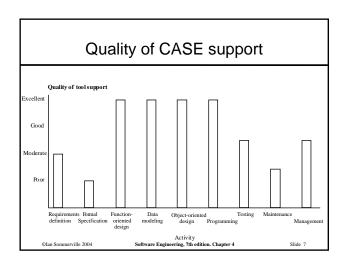
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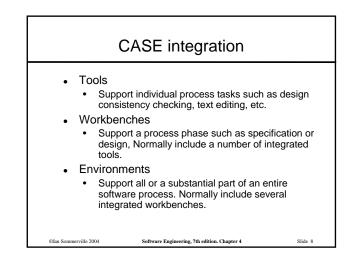


Functional tool classification

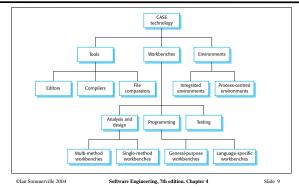
Tool type	Examples	
Planning tools	PERT tools, estimation tools, spreadsheets	
Editing tools	Text editors, diagram editors, word processors	
Change management tools	Requirements traceability tools, change control systems	
Configuration management tools	Version management systems, system building tools	
Prototyping tools	Very high-level languages, user interface generators	
Method-support tools	Design editors, data dictionaries, code generators	
Language-processing tools	Compilers, interpreters	
Program analysis tools	Cross reference generators, static analysers, dynamic analysers	
Testing tools	Test data generators, file comparators	
Debugging tools	Interactive debugging systems	
Documentation tools	Page layout programs, image editors	
Re-engineering tools	Cross-reference systems, program re-structuring systems	

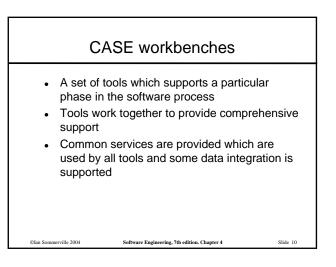


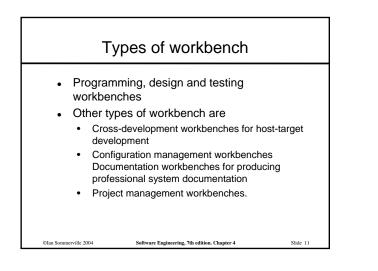


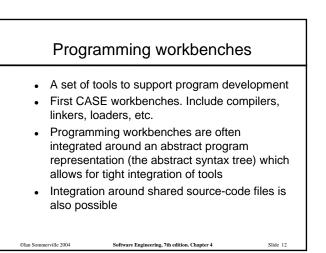


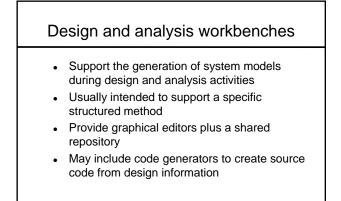
Tools, workbenches, environments











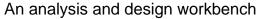
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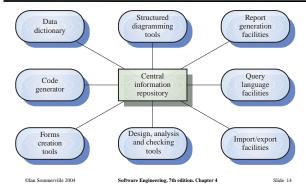
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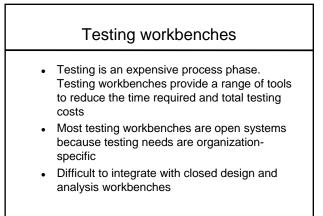
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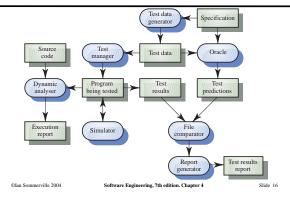


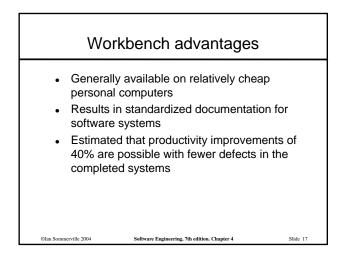


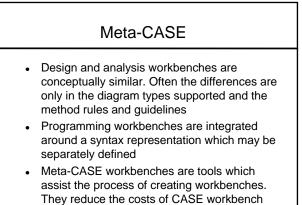


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A testing workbench



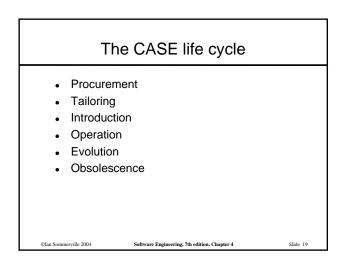


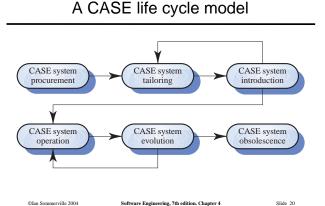


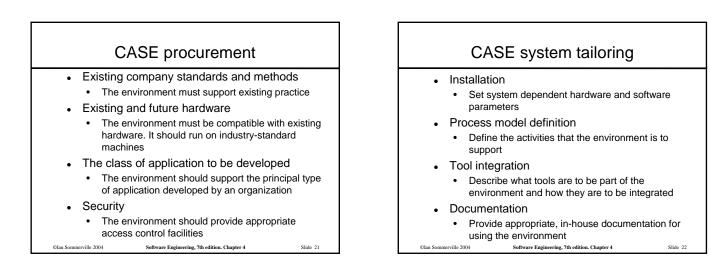
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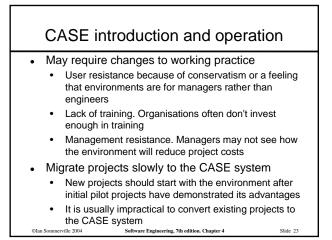
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CASE system evolution

- As the system is used, new requirements arise
 - Process requirements. Changes in the process model will be identified
 - Tool requirements. New tools will become available and will have to be incorporated
 - Data requirements. The data organisation will evolve
- An evolution budget must be available or the environment will become progressively less useful
 - Forward compatibility must be maintained
- Sommerville 2004 Software Engineering, 7th edition. Chapter 4 Slide

CASE system obsolescence

- At some stage, an environment will outlive its usefulness and will have to be replaced
- Replacing an environment must be planned and should take place over an extended time period
- Currently supported projects must be moved to a new environment before their supporting environment is scrapped

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Slide 25