

















- Imagine after the system has been built attempting to describe as cogently and in as compact a form as possible how the system has been put together.
- Be utterly clear
- you only have an hour in which to do it.
- your target audience is knowledgeable professionals in the field, but unfamiliar with the domain.
- They will wish to evaluate your choices

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Documentation of an Architecture Golden Rule of Software Development: • - If it's not reviewable (written down), it doesn't exist. Architectures sometime suffer from over-elaborate documentation - Unnecessary. Simply document your decisions. - Most systems don't deserve elaborate architectural documentation Dealing with unknowns - Indicate they are unknown for the present - Cycle back later and add new decisions taken - But beware of costs of postponing decisions Must religiously keep architecture document up-to-date - Very hard to do in practice: takes effort - Therefore keep it simple as possible (but no simpler) CSC407 12 - Arch. Reintro 10



Documentation	
• Architecture	
– Informal diagrams	
– Written explanations	
 Bullet points 	
• Design	
– Formal UML	
– Reflects and in-synch with program structure	
 Simplify and divide into small chunks for presentation 	
– Add written explanations.	
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Why is architecture important?	
 Manifests early design decision most difficult to get correct and hardest to change defines constraints on the implementation inhibits or enables quality attributes Defines a work-breakdown structure organization (especially important for long-distance development) estimation architecture document provides the vocabulary A vehicle for stakeholder communication an architecture is the earliest artefact that enables the priorities among competin concerns to be analysed Reviewable architectural errors are vastly more expensive to fix once a system has been coor Can serve as a basis for training new developers As an indication of progress 	ıg led
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