Nugget Systems Architect Deliverables and Responsibilities

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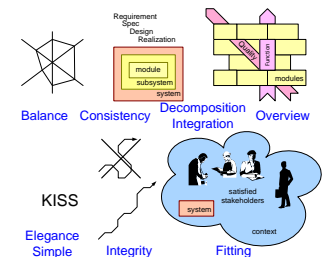
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Abstract

The role of the system architect is described from the deliverables and responsibilities viewpoints. This description shows the inherent tension in this role: a small set of hard deliverables, covering a fuzzy set of responsibilities, hiding an enormous amount of barely visible day-to-day work.
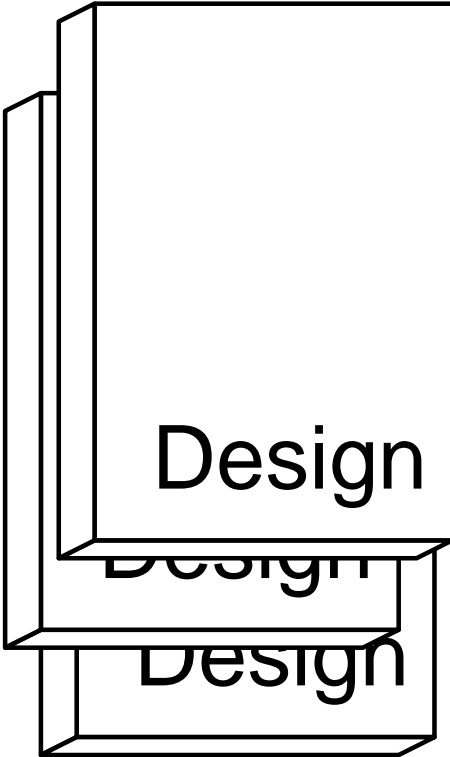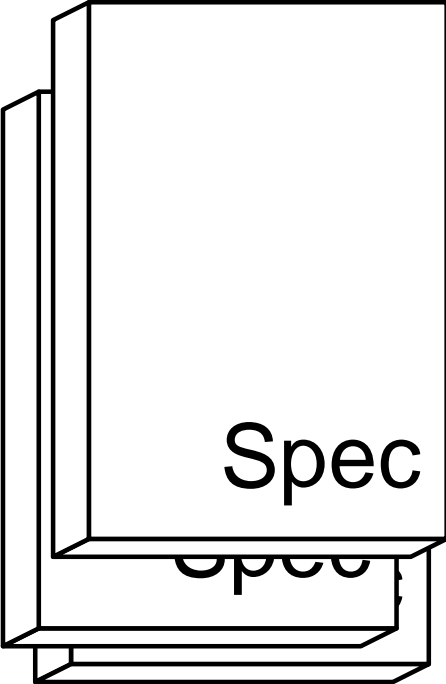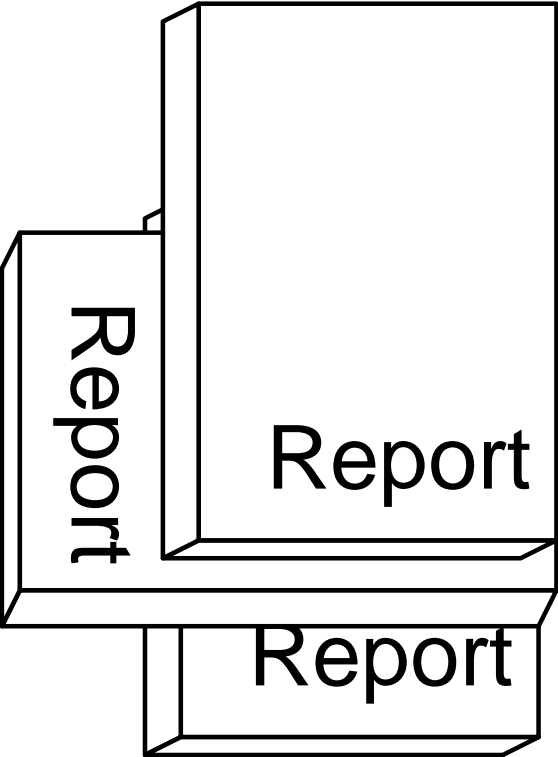
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Deliverables of the System Architect

List of Deliverables

Customer and Life-Cycle Needs *(what is needed)*

System Specification *(what will be realized)*

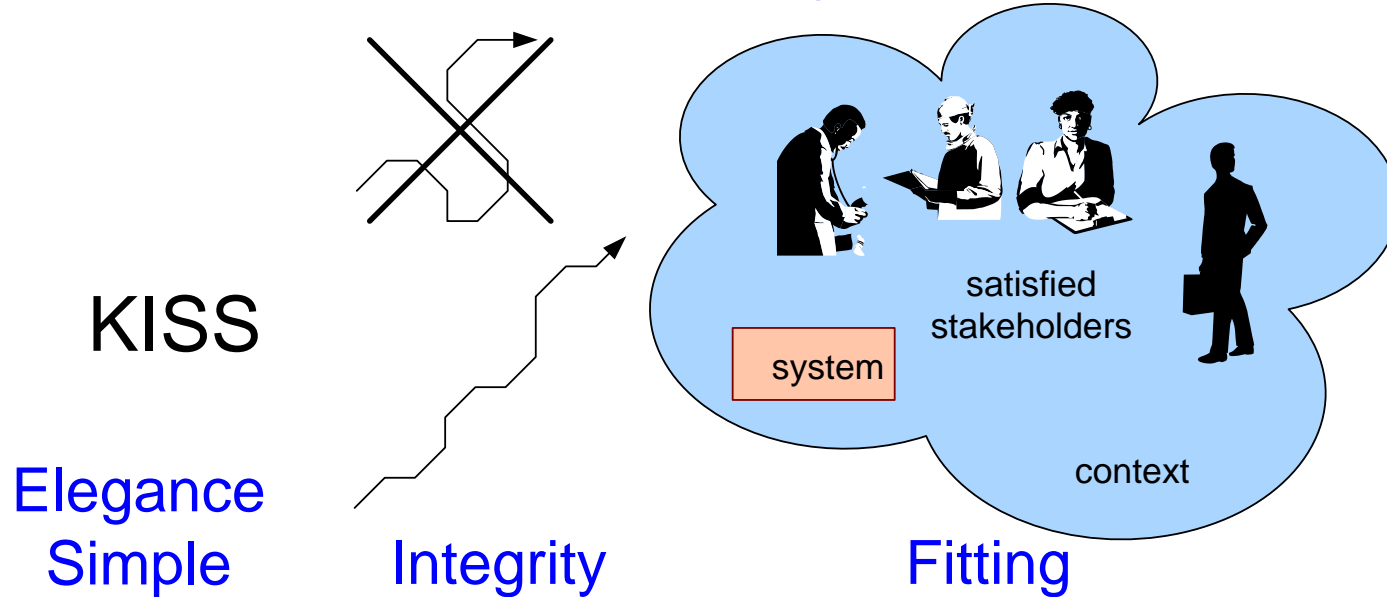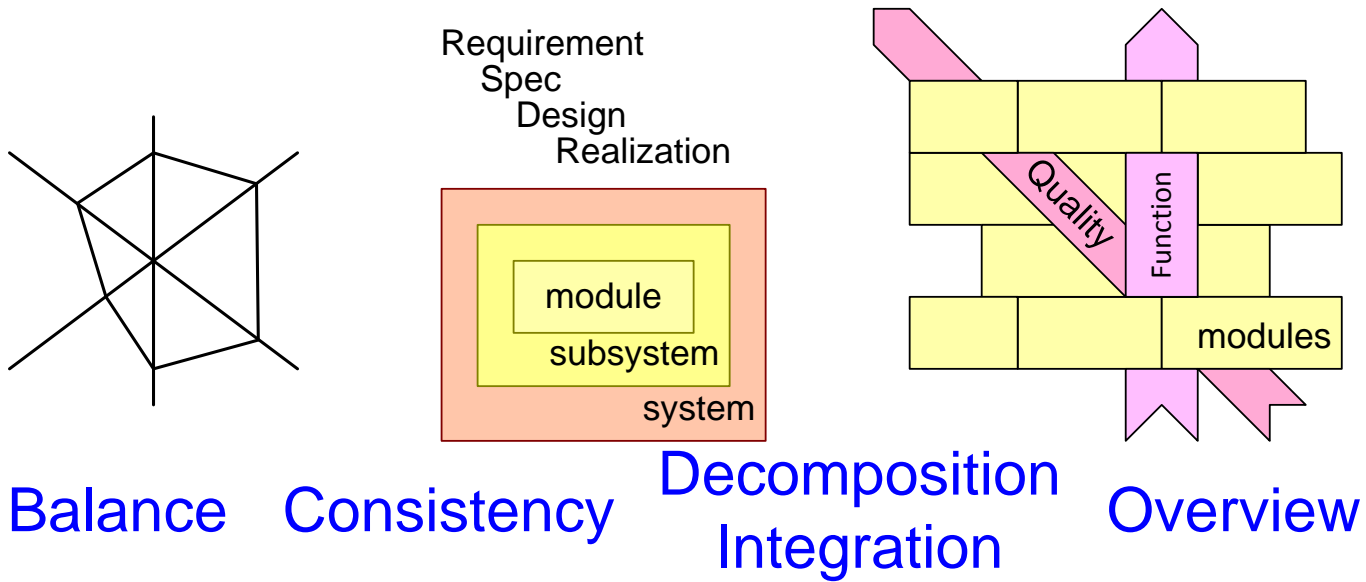Design Specification *(how the system will be realized)*

Verification Specification *(how the system will be verified)*

Verification Report *(the result of the verification)*

Feasibility Report *(the results of a feasibility study)*

Roadmap

Responsibilities of the System Architect

Balance

Consistency

Requirement
Spec
Design
Realization

module
subsystem
system

Decomposition
Integration

Quality

Function

modules

Overview

KISS

Elegance
Simple

Integrity

satisfied
stakeholders

system

context

Fitting

USN   ESI

Examples of Secondary Responsibilities

responsibility	primary owner
business plan, profit	business manager
schedule, resources	project leader
market, saleability	marketing manager
technology	technology manager
process, people	line manager
detailed designs	engineers