Scenario How To

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Abstract

Good designers keep multiple alternatives open in parallel. This improves the specification and design quality. Scenarios can be used to cope with these alternatives and as a means for communication with stakeholders.

Distribution

and unchanged.

This article or presentation is written as part of the Gaudí project. The Gaudí project

philosophy is to improve by obtaining frequent feedback. Frequent feedback is pursued by an

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logo

TBD

Scenarios

content of this presentation

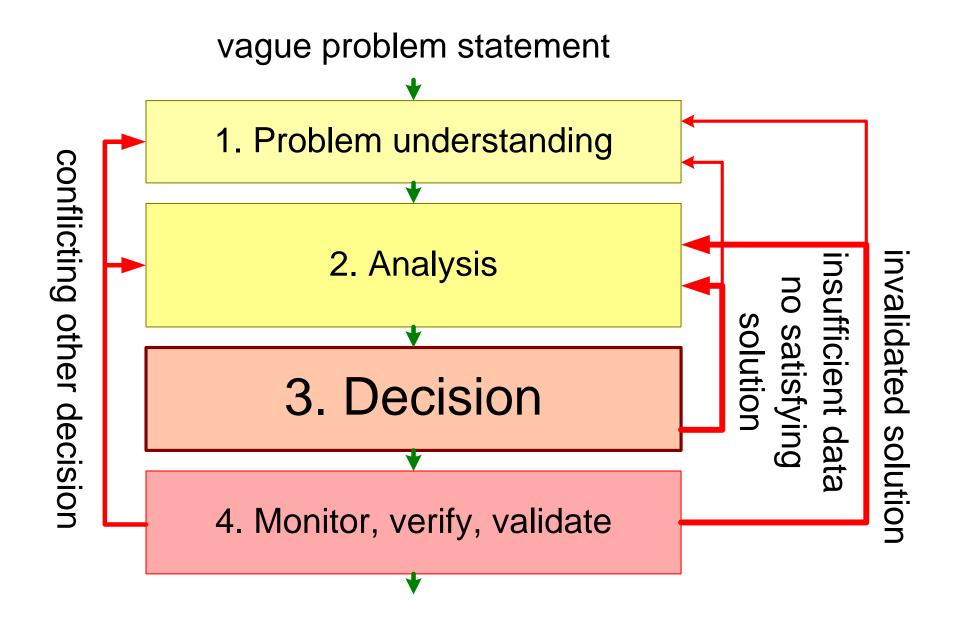
Decision making

Multiple propositions

Scenarios

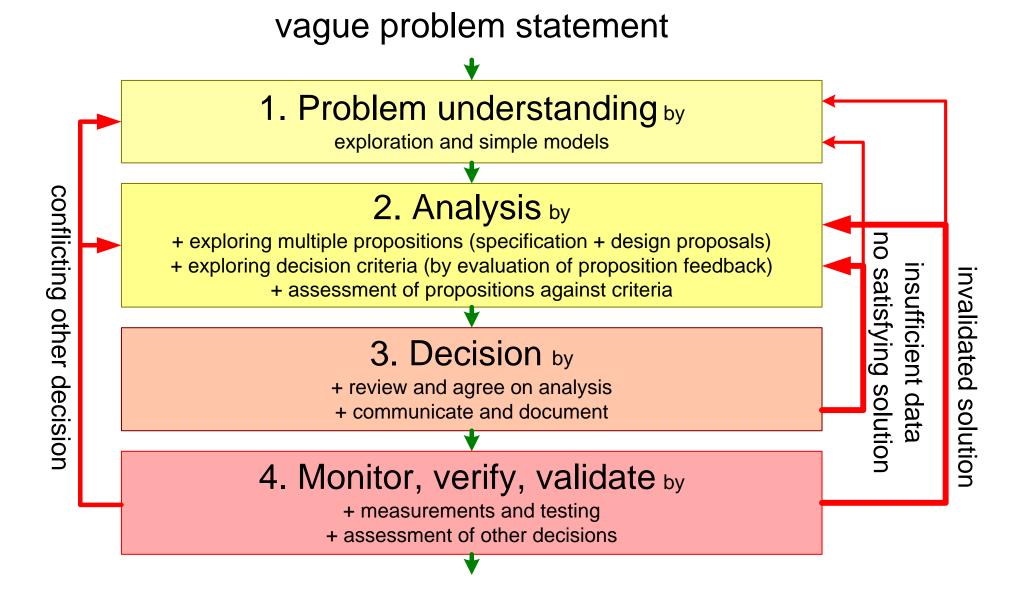


Decision Making Process





Flow from problem to solution





Example of Multiple Propositions

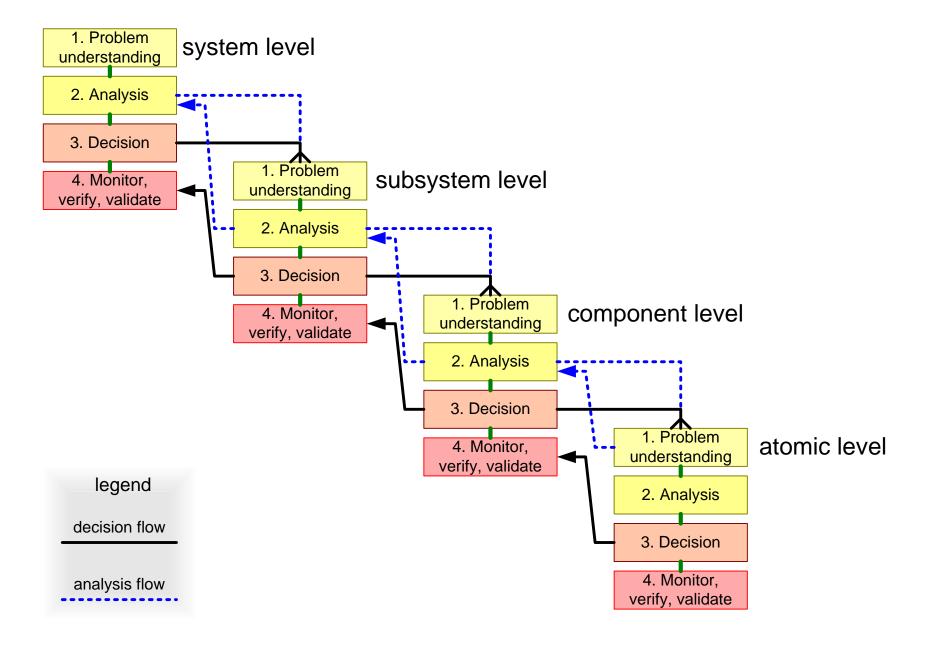
throughput	20 p/m	high-performance sensor	350 ns			
cost	5 k\$	high-speed moves	9 m/s			
safety		additional pipelining				
low cost and performance 1						

throughput cost safety	20 p/m 5 k\$	high-performance sensor high-speed moves			
low cost and performance 2					

throughput cost	25 p/m 7 k\$	highperformance sensor high-speed moves				
safety		additional collision detector				
high cost and performance						

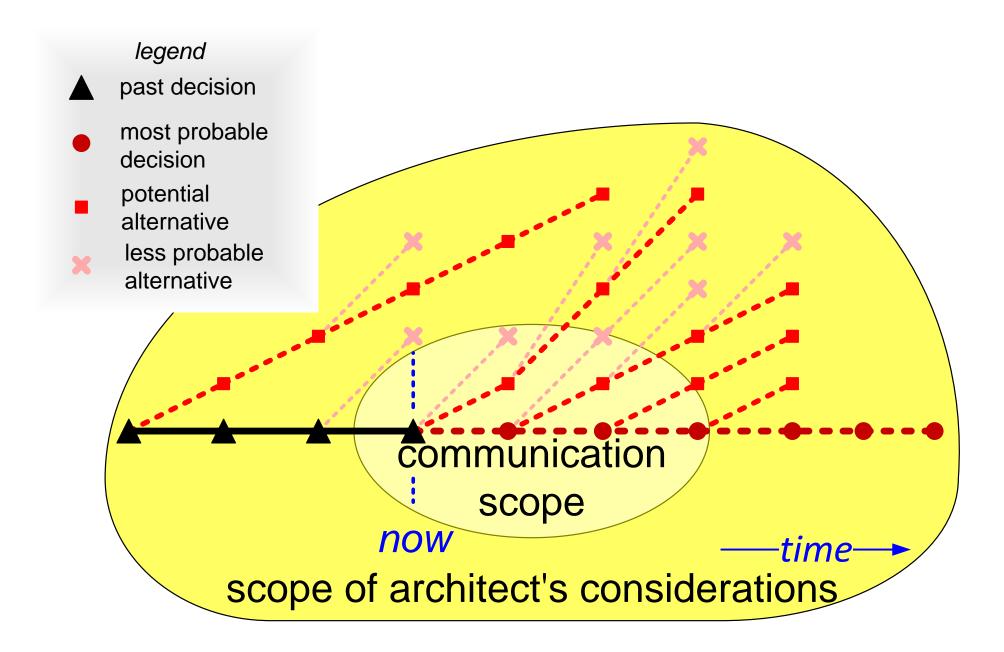


Recursive and concurrent application of flow





Graph of Decisions and Alternatives









Different Types of Decisions

Understanding Why

Describing What

Guiding How

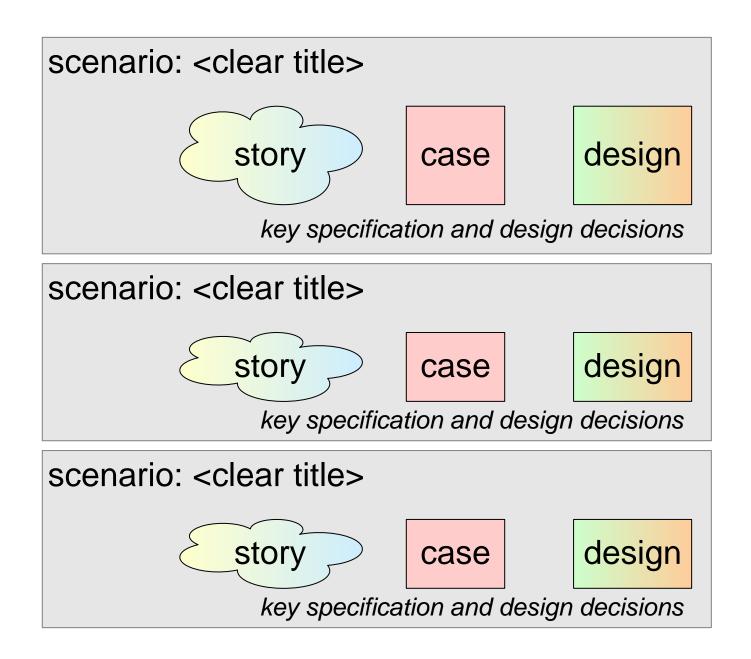
basic principles

requirements

architecture rules implementation choices f.i. technology



Elements of a Scenario





Summary of Scenarios

Summary of Scenarios

Exploration and analysis require multiple propositions.

Architects continuously work with multiple alternatives.

Scenarios have a clear title, story, use case and design.

Scenarios are differentiated by key specifications and design decisions.

