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PRAGMATIC UML

A Model Overview

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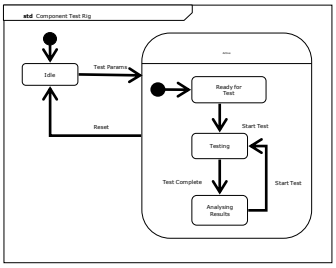
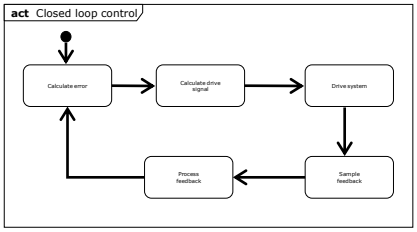
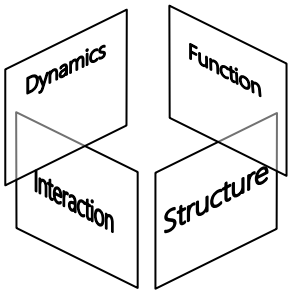
Requirements Model

System modes
Captures system operating states

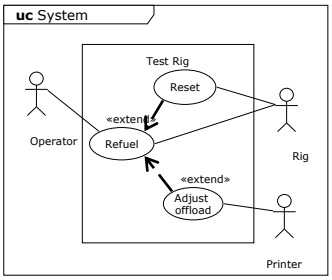


Activity
Capture flow-of-materials processing, algorithms, etc.

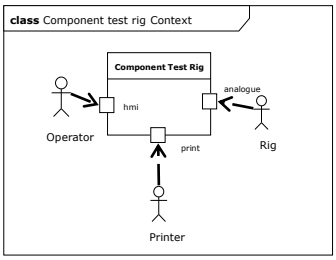




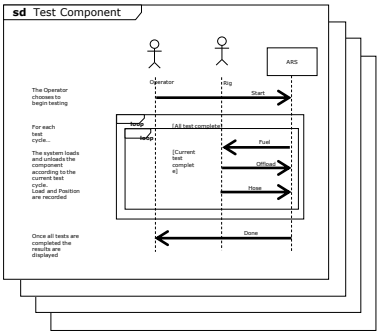
Use cases
Analyse system functional behaviour



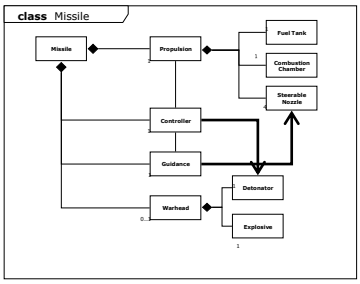
Context
Define system scope and interfaces



Use case interactions
Significant operational scenarios



Data model
Problem domain information and relationships



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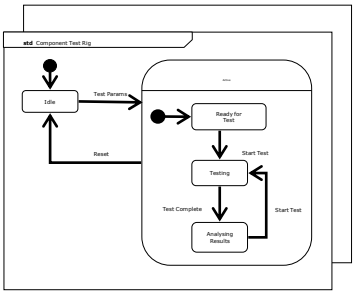
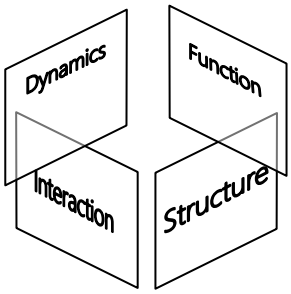
Ideal Object Model

Object state behaviour

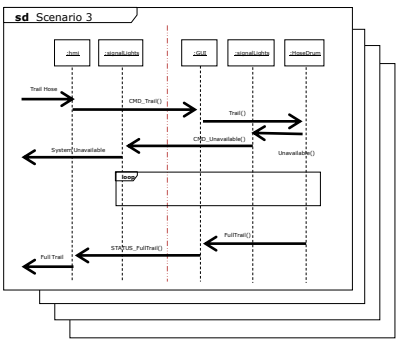
(optional)
Capture reactive object behaviour; refine scenarios





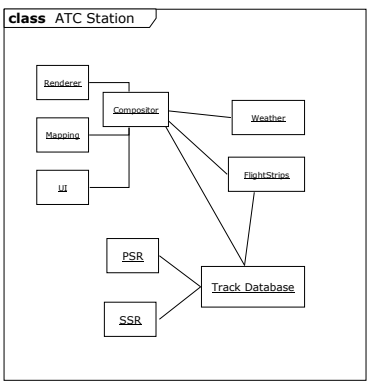
Ideal object interactions

Verify system design. Derived from Use Case interactions



Ideal object model

Capture system design



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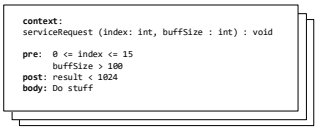
Specification Model

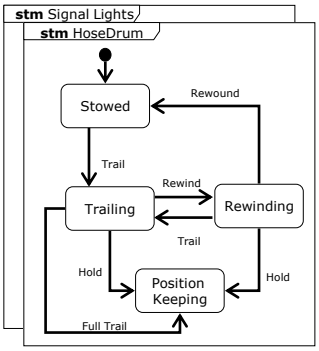
Operation specifications

Specifying operation behaviour, pre- and post-conditions



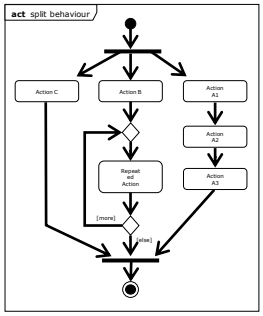
State behaviour

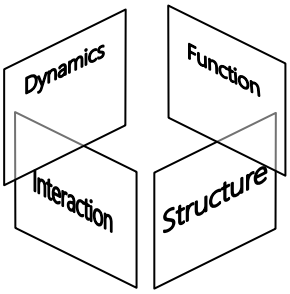
Refining reactive object behaviour



Activities

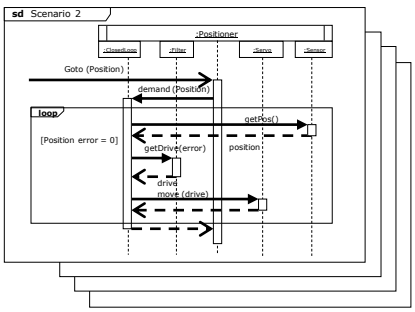
Defining complex algorithms





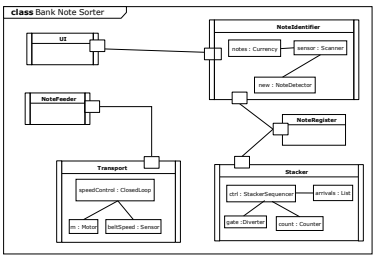
Ideal object interactions

Verify system design. Modified by concurrency decisions in design



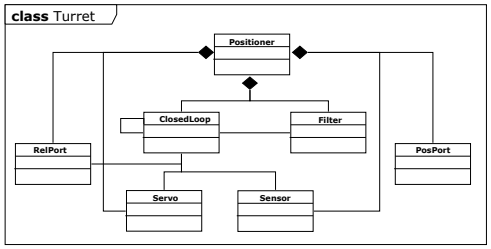
Composite structure

Capturing system architecture



Classes

Type information - operations, attributes and associations



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