Viewpoint Template

Viewpoint Name

The name for the viewpoint, and any synonyms for the viewpoint.

Name: _____

Synonyms / Alternative Names:

Overview

An abstract or brief overview of the viewpoint and its key features.

Concerns

List the architecture-related concerns framed by this viewpoint. This helps readers decide whether this viewpoint will be useful to them.

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Anti-Concerns (Optional)

*Document the kinds of issues this viewpoint is **not** appropriate for. Articulating anti-concerns can be useful for certain viewpoint notations.*

Typical Stakeholders (Optional)

The typical audiences for views prepared using this viewpoint. Who are the usual stakeholders for this kind of view?

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Model Types

Identify each type of model used by the viewpoint.

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Model Languages

For each model type, describe the language, notation, or modeling techniques to be used. Model languages provide the vocabularies for constructing the view. A model language may be:

- an existing modeling language (e.g., UML, SysML, SADT),
- a mathematical or analytical technique (e.g., queuing theory),
- a metamodel that defines the language's core constructs,
- a template that users fill in,
- or a combination of these.

Viewpoint Metamodels (Optional)

Describe the conceptual entities, their attributes, and the relations that make up the vocabulary of this kind of model (its metamodel). A metamodel should capture at least:

- **Entities** – major sorts of elements present in this model type.
- **Attributes** – properties of those entities.
- **Relationships** – relations defined among entities.
- **Constraints** – constraints on entities, attributes, or relationships.

Conforming Notations

Identify any existing notations or model languages that may be used for this model type.

Model Correspondence Rules

Specify any model correspondence rules defined by this viewpoint (e.g., how elements in one model correspond to elements in another). Document each rule here.

Operations on Views

Define the methods that may be applied to views and their models.

Creation Methods

How are views prepared using this viewpoint? Include process guidance (how to start, what to do next), work product guidance (templates, heuristics, styles, patterns, idioms).

Interpretive Methods

How should readers and stakeholders interpret and understand views of this type?

Analysis Methods

Methods for checking, reasoning about, transforming, predicting, or evaluating architecture results from this view.

Implementation Methods

Methods for realizing or constructing systems using information from this view.

Examples (Optional)

Provide one or more example views prepared using this viewpoint.

Notes (Optional)

Any additional information users of the viewpoint may need.

Sources

List the sources for this viewpoint, if any. This may include author, history, literature references, prior art, and more.