Requirement Specification View

The Requirement Specification View pattern creates elements and a Specification View that allows requirements to be visualized in a document or Spreadsheet like view permitting complex requirements to be decomposed into more granular ones down to two levels. The pattern can be extended down to any number of levels.

Item	Notes	Stereotype	Status	Difficulty
▲ ☑ Requirement A		Functional	Proposed	Medium
▲ ☑ Requirement A.1		Functional	Approved	Medium
☑ Requirement A.1.1		Functional	Approved	Medium
☑ Requirement A.1.2		Functional	Approved	Medium
☑ Requirement A.1.3		Functional	Approved	Medium
▲ ☑ Requirement A.2		Functional	Validated	Medium
☑ Requirement A.2.1		Functional	Validated	Medium
☑ Requirement A.2.2		Functional	Validated	Medium
☑ Requirement A.2.3		Functional	Validated	Medium
▲ ☑ Requirement A.3		Functional	Proposed	Medium
☑ Requirement A.3.1		Functional	Proposed	Medium

Figure 1. Shows a hierarchy of Requirements listed in the Specification View allowing the requirement structure to be visualized in a document or Spreadsheet like view familiar to many non-technical stakeholders.

Discussion

To provide a way of visualizing the structure of a set of Requirements down to two levels allowing the Requirements to be created and managed in a familiar interface suitable for non-technical audiences. Changes to the Requirements in this view will result in all other views such as diagrams being automatically updated.

It is typically used when a Requirements or Business Analyst wants to work in a document or spreadsheet like view commonly because they are able to be more productive that way or because they are unfamiliar working in other views such as the diagram view..

The following is a list of some things you may want to do when working with this pattern.

· Rename the diagram that the Specification View is based on.

· Rename the Requirements to suit the initiative.

· Add detailed notes that describe the business or system significance of the Requirement.

· Update the properties of the Requirements to suit the initiative.

The following is a list of some of the next steps available when applying the pattern.

· Define Trace relationships showing how the Requirements relate to up-process elements such as Strategies, Business Rules and other Requirements and down-process elements such as User Stories, Use Cases, Components, Artifacts and database tables.

· Create high quality documentation generated automatically from the model.

Useful Workspace Layouts Core | Core Modeling

Reference

The following help topics will assist you learn about how to work with this pattern.

[Specification Manager](#)

[Using the Specification Manager](#)

[Requirements Diagram](#)

[Requirements Overview](#)

[What are Requirements](#)

[Meet the Requirement Tools](#)

The following are some of the tools that will be helpful when working with this pattern.

Specification View

The Specification View can be used as a way of working with the Components and Interfaces particularly when there are a large number of elements as is typically the case when describing a system of any appreciable size. For more details see the [Specification View](#) help topic.

Relationship Matrix

The Relationship Matrix provides a spreadsheet like view of two groups of elements and the relationships that exist between them. It can be a used as a powerful analysis mechanism to visually indicate how elements are related to each other and to discover which elements are missing relationships. For more details see the [Relationship Matrix](#) help topic.

Traceability Window

The Traceability Window automatically displays the relationships that exist between Use Cases and other model elements including up-process and down-process elements. The traceability tree view can be conveniently expanded to see deeper relationships and elements displayed in the window can be located in all diagrams in which they appear. For more details see the [Traceability Window](#) help topic.

Element Discussions

The Element Discussion facility is a fully featured collaboration tool allowing modelers and model viewers and reviewers to communicate with each other directly inside the

repository. Modelers using the full client or occasional viewers using WebEA can both post and reply to discussions and communicate and engage in chat. For more details see the Element Discussions help topic.

Document Generator

The Document Generator is a powerful facility in Enterprise Architect that allows a Database Engineer or other stakeholder to create high quality corporate or technical documentation directly from the model, suitable for internal or external audiences. For more details see the Documentation help topic.