

ReqView

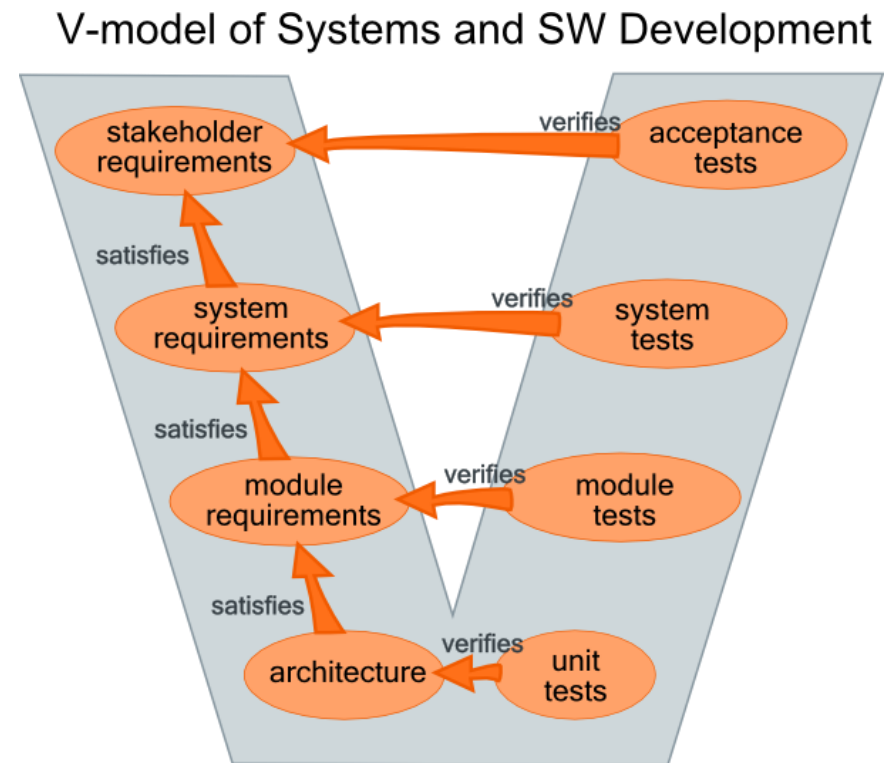
Requirements Traceability Links

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Requirements Traceability

- Reference links between requirements
- Verification links from related tests
- Satisfaction links from decomposed requirements
- Implementation links from user stories



Definition of Link Type

```
{  
  <LinkId>: {  
    name: <string>,      // optional  
    source: <string>,    // optional  
    target: <string>,    // optional  
  }  
}
```

- *LinkId* is link type identifier, e.g. “reference”
- *name* is link type name
- *source* and *target* describes roles of related objects



Example: Verification Links

- Define an link type representing relation from a test to a verified requirement.
- Enables
 - tracing tests and related requirements
 - analyze test coverage

```
"test": {  
  "name": "Test",  
  "source": "Tests",  
  "target": "Tested by"  
},
```



Example: Satisfaction Links

- Define an link type representing satisfaction of a requirement by its derived requirements.
- Enables
 - Estimate impact of requirements change on architecture, design or implementation

```
"satisfaction": {  
  "name": "Satisfaction",  
  "source": "Satisfies",  
  "target": "Satisfied by"  
},
```



Configure Requirements Traceability

Project Help

- New Project...
- Close Project
- Add Document...
- Delete Document...
- Document Properties...
- Document Attributes...
- Project Traceability...

Project Traceability

In this dialog you can customize traceability links for the current project.

```
{
  "affect": {
    "name": "Affect",
    "source": "Affects",
    "target": "Is affected by"
  },
  "model": {
    "name": "Model",
    "source": "Models",
    "target": "Is modelled by"
  },
  "reference": {
    "name": "Reference",
    "source": "References",
    "target": "Is referenced by"
  },
  "satisfaction": {
    "name": "Satisfaction",
    "source": "Satisfies",
    "target": "Is satisfied by"
  },
  "verification": {
    "name": "Verification",
    "source": "Verifies",
    "target": "Is verified by"
  }
}
```

Edit traceability definition in JSON text format.

Traceability definition is validated before changing.

Check OK Cancel



Show or Hide Links Column

The screenshot shows the ReqView Test Cases application window. The 'View' menu is open, displaying a list of options. The 'Links' option is checked, and an orange arrow points to it. The 'Links' column is visible in the main table, showing a summary of incoming and outgoing links for each requirement. The 'References' section is expanded, showing a link to 'SRS-338 Introduction'. The 'Verifies' section is also expanded, showing a link to 'SRS-62 Open Local File'.

ID	Description	Links
1	1 In	References: ▶ SRS-338 Introduction
18	Purpo to des	
2	2 Te	
3	2.1	
4	2.1	
9	2.	Verifies: ▶ SRS-62 Open Local File
19	E	

Links column summarizes all incoming and outgoing links grouped by link type.



Create Traceability Links

End link
(Ctrl+Shift+L)

* ID	Description
1 ↓	Requirement 1
2 ↓	Requirement 2
3 ↓	Requirement 3
4 ↑	Requirement 4
5 ↑	Requirement 5

Start link
(Ctrl+L)

Create Links

Reference

Total of 6 links (of type Reference) will be created.

From:

- 4 - Requirement 4
- 5 - Requirement 5

To:

- 1 - Requirement 1
- 2 - Requirement 2
- 3 - Requirement 3

Create M:N links between selections of objects

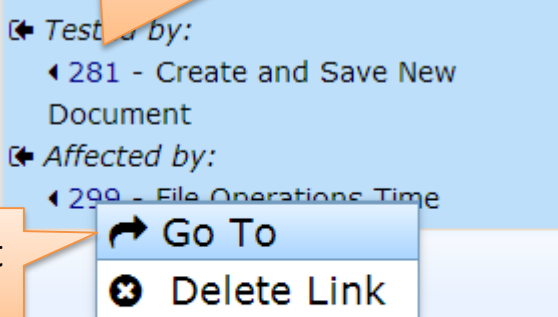
* ID	Description	Links
1 📄🔗	Requirement 1	↩️ <i>Referenced by:</i> ◀️ 4 - Requirement 4 ◀️ 5 - Requirement 5
2 📄🔗	Requirement 2	↩️ <i>Referenced by:</i> ◀️ 4 - Requirement 4 ◀️ 5 - Requirement 5

Choose predefined link type from the list and confirm selection

Check created links in Links column



Navigation Through Links

* ID	Description	Links
32	3.1 ReqView Desktop This section describes the features of ReqView Desktop component.	
55	3.1.1 File Operations This section describes ReqView Desktop file operations.	
253	3.1.1.1 Create New File	 <ul style="list-style-type: none">↳ Tested by:<ul style="list-style-type: none">↳ 281 - Create and Save New Document↳ Affected by:<ul style="list-style-type: none">↳ 299 - File Operations Time↪ Go To✕ Delete Link
254	User shall be able to open a file.	
255	User shall be able to save the opened document containing unsaved changes when creating a new file.	

Follow link by clicking on related object ID

Follow link from context menu



Edit Traceability Links

* ID	Description	Links
18	3.2.2 Rich Text Description	<ul style="list-style-type: none"> Is satisfied by: <ul style="list-style-type: none"> SRS-312 Edit Traceability Links
62	3.2.3 Custom Attributes	<ul style="list-style-type: none"> Is affected by Is modelled by Is referenced by Is verified by
17	3.2.4 Image Attachments	<ul style="list-style-type: none"> Is satisfied by: <ul style="list-style-type: none"> SRS-266 Attachments
20	3.2.5 Document Attachments	<ul style="list-style-type: none"> Is satisfied by: <ul style="list-style-type: none"> SRS-266 Attachments
21	3.2.6 Document Attachments	<ul style="list-style-type: none"> Is satisfied by: <ul style="list-style-type: none"> SRS-273 Edit Traceability Links

NEEDS | RISKS | SRS | TESTS

Reverse link direction keeping its type

Choose a new link type

Permanently remove the link



ReqView References

- ReqView Homepage
<https://www.reqview.com>
- ReqView Desktop Online
<https://www.reqview.com/apps/desktop/ReqViewDesktop.html>
- ReqView Desktop at Chrome Store
<https://chrome.google.com/webstore/detail/reqview-desktop/cmbnhmeabefpflidnahpbghcejkbli>
- Support Site - online help, knowledge base and discussion forum
<http://support.reqview.com/solution/categories>

