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

- **linkTypeId** 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

Edit traceability definition in JSON text format.

Traceability definition is validated before changing.
Show or Hide Links Column

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

Create M:N links between selections of objects

End link (Ctrl+Shift+L)

Start link (Ctrl+L)

Choose predefined link type from the list and confirm selection

Check created links in Links column

Start link:
1. Requirement 1
2. Requirement 2
3. Requirement 3
4. Requirement 4
5. Requirement 5

End link:
Reference
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

Links:

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Requirement 1</td>
<td><img src="#" alt="References" /></td>
</tr>
<tr>
<td>2</td>
<td>Requirement 2</td>
<td><img src="#" alt="References" /></td>
</tr>
<tr>
<td>3</td>
<td>Requirement 3</td>
<td><img src="#" alt="References" /></td>
</tr>
<tr>
<td>4</td>
<td>Requirement 4</td>
<td><img src="#" alt="References" /></td>
</tr>
<tr>
<td>5</td>
<td>Requirement 5</td>
<td><img src="#" alt="References" /></td>
</tr>
</tbody>
</table>
## Navigation Through Links

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>3.1 ReqView Desktop</td>
</tr>
<tr>
<td>55</td>
<td>3.1.1 File Operations</td>
</tr>
<tr>
<td>253</td>
<td>3.1.1.1 Create New File</td>
</tr>
<tr>
<td>254</td>
<td>User shall be able to create a new file.</td>
</tr>
<tr>
<td>255</td>
<td>User shall be able to save the opened document containing unsaved changes when creating a new file.</td>
</tr>
</tbody>
</table>

Follow link by clicking on related object ID

Follow link from context menu

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# Edit Traceability Links

![Diagram showing traceability links with options](image)

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>3.2.2 Rich Text Description</td>
<td><img src="image" alt="Options" /></td>
</tr>
<tr>
<td>62</td>
<td>3.2.3 Custom Attributes</td>
<td><img src="image" alt="Options" /></td>
</tr>
<tr>
<td>17</td>
<td>3.2.4 Image Attachments</td>
<td><img src="image" alt="Options" /></td>
</tr>
<tr>
<td>20</td>
<td>3.2.5 Document Attachments</td>
<td><img src="image" alt="Options" /></td>
</tr>
<tr>
<td>21</td>
<td>3.2.6 Document Other</td>
<td><img src="image" alt="Options" /></td>
</tr>
</tbody>
</table>

- **Reverse link direction keeping its type**
- **Choose a new link type**
- **Permanently remove the link**

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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/cmbnhmeabefpflildnahpbghcejkblin

• Support Site - online help, knowledge base and discussion forum
  http://support.reqview.com/solution/categories