

# ReqView

## Towards Requirements Management Issues in Excel

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# Manual IDs & Ambiguous Requirements

Excel

- Excel is capable to store just a short plain text description. User has to maintain ID manually.

ReqView

- Automatic unique ID
- Rich requirement description
  - Rich text format editor
  - Paste tables from Word or Excel
  - Attach images or other files
  - Add URL links to external content

15 ✎ 4 Rich Text Requirement Editor


13 ✎ User shall be able to use in requirement description rich text formatting, such as:

- font styles: **bold**, *italic*,
- bullet lists, with even more levels
- numbered lists
- URL links

12 ✎ User shall be able to paste into requirement description a table from Word or Excel, for instance:

Plan	Price	Document Size	Projects	Traceability	Import	Export
LITE	0	< 150	no	internal links	no	PDF
STANDARD	9 EUR	unlimited	no	internal links	HTML, CSV	PDF, HTML, CSV
PRO	T.B.D	unlimited	yes	unlimited	HTML, CSV, ReqIF	PDF, HTML, CSV

14 ✎ User shall be able to attach to a requirement description an image or any other file.



[airplane.jpg](#)



# Incomplete or Duplicate Requirements

Excel

- Excel organizes items in a list thus gathering of structured requirements is difficult.

ReqView

- **Decompose requirements** by features, use cases, ...
  - Tree document structure
  - Automatic section numbering
  - Table of contents
  - Easily move requirements or whole sections

Contents		ID	Description
1	Feature 1	1	1 Feature 1
1.1	Use Case 1.1	2	1.1 Use Case 1.1
1.2	Use Case 1.2	4	Requirement 1.1.1
2	Feature 2	7	Requirement 1.1.2
3	Feature 3	5	Requirement 1.1.3
4	Non Functional Requirements	3	1.2 Use Case 1.2
		6	Requirement 1.2.1
		8	Requirement 1.2.2
		9	2 Feature 2
		10	3 Feature 3
		11	4 Non Functional Requirements



# Inconsistent Requirement Relations

Excel

- Maintenance of traceability matrices in Excel is error prone which complicates change impact analysis.

ReqView

- Customizable relation types (satisfaction, verification, ...)
- Easily create M:N links
- *Links column* grouping links
- Browse traceability simply by clicking on links

* ID	Description	Links
58	3.1.3.4 Comments	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>283 - Edit New Comments</li> </ul> </li> <li>Affected by:               <ul style="list-style-type: none"> <li>298 - Edit Response Time</li> </ul> </li> </ul>
266	3.1.3.5 Attachments	<ul style="list-style-type: none"> <li>Affected by:               <ul style="list-style-type: none"> <li>297 - Max Document Size</li> <li>298 - Edit Response Time</li> </ul> </li> <li>Tested by:               <ul style="list-style-type: none"> <li>316 - Attach File</li> </ul> </li> </ul>
273	3.1.3.6 Links	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>284 - Link Requirements</li> </ul> </li> <li>Affected by:               <ul style="list-style-type: none"> <li>298 - Edit Response Time</li> </ul> </li> </ul>
151	3.1.4.1 Requirements Filter	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>317 - Searching and Filtering</li> </ul> </li> </ul>
91	3.1.4.2 Full Text Search	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>317 - Searching and Filtering</li> </ul> </li> </ul>
188	3.1.5.1 Change Indicators	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>282 - Edit Description</li> <li>283 - Add New Comments</li> <li>285 - Define and Edit Custom Attribute</li> </ul> </li> </ul>
189	3.1.5.2 History of Changes	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>282 - Edit Description</li> <li>283 - Add New Comments</li> <li>285 - Define and Edit Custom Attribute</li> </ul> </li> </ul>
131	3.1.6 Print This section describes how user can print document from ReqView Desktop.	<ul style="list-style-type: none"> <li>Tested by:               <ul style="list-style-type: none"> <li>317 - Searching and Filtering</li> </ul> </li> </ul>



# Can not Track Requirement Changes

Excel

- Excel does not have history of requirement changes.

ReqView

- Automatic history of changes
  - modification date and author
- Change indicators
- Delete / undelete
- Filtering of changed requirements

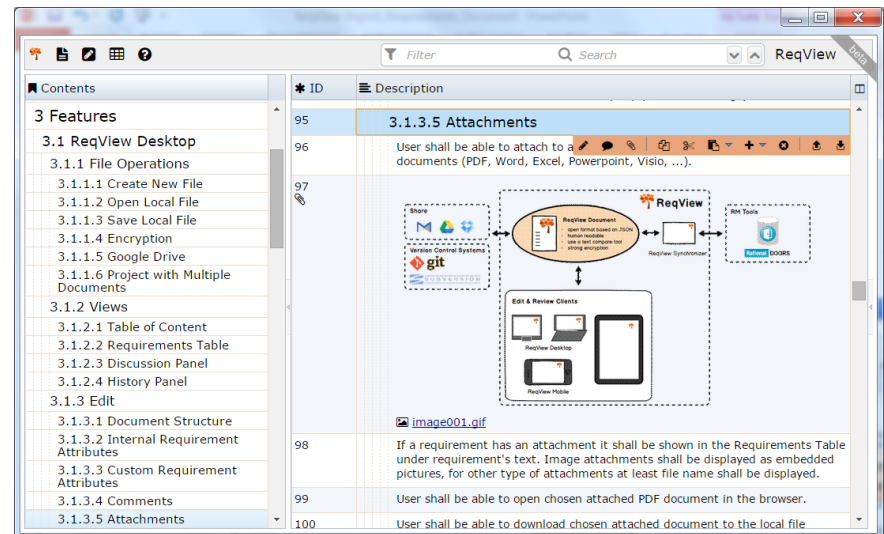
*coming soon*

History	
Libor Bus: Changed <i>status</i>	
→ Urgent	2014-04-24 15:50
Libor Bus: Added comment	
New comment.	2014-04-24 15:50
Libor Bus: Added <i>affect</i> link to	
▶ 38	2014-04-24 15:50



# Migrate Requirements from Excel to ReqView

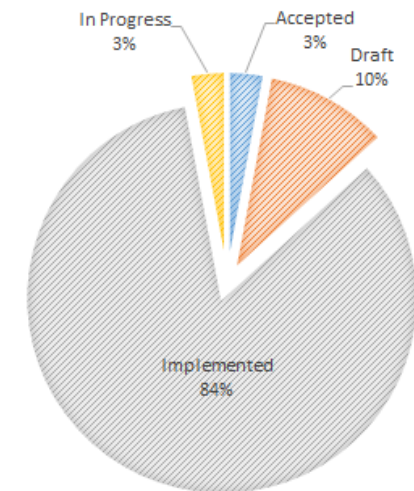
1. Save requirements in Excel into a CSV file
2. Run *ReqView Synchronizer* to convert the CSV file into a ReqView document
3. Open the document in *ReqView Desktop*
  - Restructure document
  - Customize attributes
  - Set up traceability



# Keep Data Reporting in Excel

1. Create Excel sheet with data analysis and reports (e.g. PivotCharts)
2. Connect the Excel sheet to external data source in a CSV file
3. Automatically export CSV file by *ReqView Synchronizer*
  - on a change (e.g., as a commit hook)
  - periodically (e.g. daily)
4. Store Excel sheet and ReqView document on a shared network drive

FUNCTIONAL REQUIREMENTS  
BY STATE



# ReqView References

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

