ReqView
Towards Requirements Management
Issues in Excel

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Manual IDs & Ambiguous Requirements

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

- 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
Incomplete or Duplicate Requirements

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

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

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

- Customizable relation types (satisfaction, verification, ...)
- Easily create M:N links
- *Links* column grouping links
- Browse traceability simply by clicking on links
Can not Track Requirement Changes

- Excel does not have history of requirement changes.

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

 ReqView - Towards Requirements Management Issues in MS Excel

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Migrate Requirements from Excel to ReqView

1. Open Excel file and organize it to at least the following columns: **ID**, **Section**, **Description**, **Level**

<table>
<thead>
<tr>
<th>ID</th>
<th>Section</th>
<th>Description</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>3.1.1.1</td>
<td>User shall be able to open a ReqView document stored on a local user's drive.</td>
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<tr>
<td>28</td>
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<td>3.1.1.3</td>
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Migrate Requirements from Excel to ReqView

2. Save Excel file as CSV (Comma delimited) (*.csv)
   – Use UTF-8 encoding (Tools > Web Options > Encoding)

3. In ReqView choose File > Import CSV to import requirements Before, After or as Children of the selected object.
Edit Requirements in ReqView

- Restructure document
- Customize attributes
- Attach images
- Add comments
- Setup traceability links
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
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 - knowledge base and discussion forum
  http://support.reqview.com/solution/categories