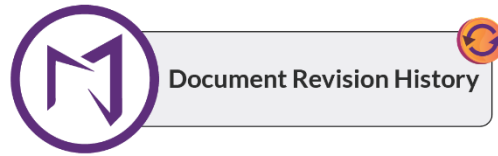


# Modern Requirements **4** DevOps

## Word Import Configuration

Version 4.0





Revision #	Date	Details	Revised By	Approved By
Version 4.0	3 <sup>rd</sup> July, 2023	<ul style="list-style-type: none"> <li>Screenshots have been updated as per the new UI enhancements.</li> <li>Added a new section “Work Item Mapping Configuration for ‘Add Paragraph’” in Microsoft Word.</li> <li>Added a Note in example # 4 in the section “Work Item Mapping Configuration for ‘Headings’” in Microsoft Word</li> <li>PowerPoint has been updated.</li> </ul>	Syed Hammad	Hira Sharif
Version 3.0	26 <sup>th</sup> August, 2022	<ul style="list-style-type: none"> <li>All the screenshots have been updated in the word document.</li> <li>Added example at number third position in the “Work Item Mapping Configuration for Headings.”</li> <li>Added example at number third position and added a screenshot in the example number 4 in the “Work Item Mapping Configuration for Tables.”</li> <li>Added example at number third position in the “Work Item Mapping Configuration for List Paragraph.”</li> <li>Some screenshots have also been updated in the attached PowerPoint.</li> <li>Added supported Microsoft Word versions for Word Import</li> </ul>	Syed Hammad	Hira Sharif
Version 2.0	31 <sup>st</sup> March, 2022	<ul style="list-style-type: none"> <li>Screenshots updated as per new UI.</li> <li>Power Point Presentation has been updated as per the latest UI and embedded in the document</li> </ul>	Syed Hammad	Hira Sharif
Version 1.1	13 <sup>th</sup> October, 2021	<ul style="list-style-type: none"> <li>Design/Formatting of the document has been changed.</li> <li>Added Examples of Mapping Configuration</li> <li>Added Appendix Section</li> </ul>	Syed Hammad	Hira Sharif
Version 1.0	13 <sup>th</sup> December, 2018	<ul style="list-style-type: none"> <li>Document created</li> </ul>	Ubaid Ullah	Hira Sharif

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## INTRODUCTION

The purpose of this document is to provide standard rules of Work Item Mapping Configuration which are supported in Modern Requirements application, it may assist users in defining the mapping in a ruleset file. By providing the mapping configuration in a ruleset file, a user can import Microsoft Word document content in Smart Docs in form of ADO work items. A ruleset file can be created either manually (XML) or from UI using Ruleset Designer.

Supported Microsoft Word versions for Word Import:

- Microsoft Word 2010 or higher (With the .docx, .dotx, .docm, .dotm file extensions)

Also, this document comprises of following sections:

- Key Points
  - For Ruleset Designer (UI)
  - For XML file (Manual)
- Ruleset Designer UI
- Work Item Mapping Configuration [Supported from both; XML (manual) & Ruleset Designer (UI)]
  - Work Item Mapping Configuration for “Headings” in Microsoft Word
  - Work Item Mapping Configuration for “Tables” in Microsoft Word
  - Work Item Mapping Configuration for “List Paragraph” in Microsoft Word
  - Work Item Mapping Configuration for “Add Paragraph” in Microsoft Word
- Work Item Mapping Configuration [Supported from XML (manual) only]
- Appendix

## KEY POINTS

### FOR RULESET DESIGNER (UI)

1. Users should go through the Word document they plan to import and make sure you know what content should be managed as Work Items or fields in Smart Docs after import.
2. Users have capability to import Word document by using our ruleset files created through Ruleset designer which can be accessible from Word Import wizard window → Import Ruleset tab → Ruleset file (drop down)
3. The following content of Word document is supported from UI:
  - a. Heading style (H1 – H9)
  - b. Table (row, cell)
  - c. List Paragraph (Add List)
  - d. Add Paragraph

### FOR XML FILE (MANUAL)

1. Users should go through the Word document they plan to import and make sure you know what content should be managed as Work Items or fields in Smart Docs after import.
2. Users have capability to import Word document by using our default configuration files, can be accessible from Word Import wizard window → Import Ruleset tab → Ruleset file (drop down)
3. If users want to define their own custom configuration, they would have to create a ruleset file using the extension “.wirule” and place at location:

**dev.azure.com version:**

- i. %public%\Documents\inteGREAT4TFS\My Ruleset\Smart Docs\dev.azure.com\{Account}

**visualstudio.com version:**

- i. %public%\Documents\inteGREAT4TFS\My Ruleset\Smart Docs\{Account}.visualstudio.com

**Embed version:**

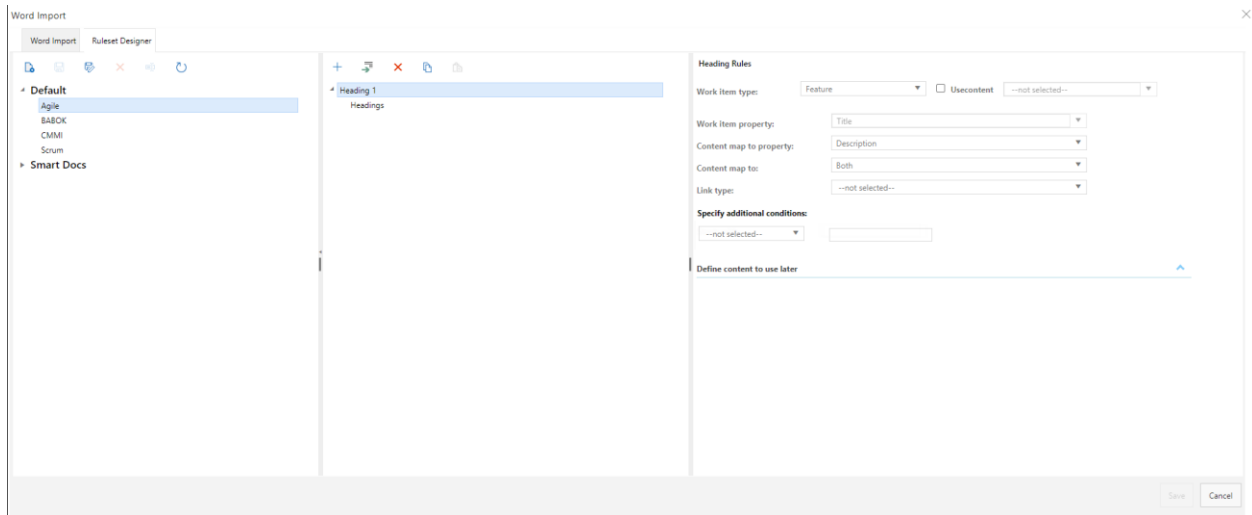
- ii. %public%\Documents\inteGREAT4TFS\My Ruleset\Smart Docs\{Server Name}
- iii. %public%\Documents \inteGREAT4TFS\My Ruleset\Smart Docs\{Server Name}\{Collection Name}

4. After placing the custom ruleset file(s) at one of the above-mentioned location(s), these file(s) will be accessible from Word Import wizard window → Import Ruleset tab → Ruleset file (drop down) → Smart Docs (node)
5. The following content of Word document is supported in XML file (manual):
  - a. Heading style (H1 – H9)
  - b. Paragraph
  - c. Table (row, cell)
  - d. List Paragraph
6. To provide mapping, users have to use “Field name” of the work item/field as defined in the TFS process template.
7. For mapping, following general tag/attributes must be required to use in a ruleset:
  - a. witype (If mapping to a work item type)
  - b. property (If mapping to a field of a work item).
    - i. “property” can also be used as tag to define more than one property of a work item.

Note that it is necessary to specify “value” of the field, it can only be set to either “string” or “html” type.

Note that if “propertytype” is not defined for a field then system shall consider it as “String” type field by default.

**RULESET DESIGNER USER INTERFACE**



Refer to below embedded PowerPoint for more details regarding the user interface accessibility of Ruleset Designer:



Word Import Configuration - Ruleset Designer

**WORK ITEM MAPPING CONFIGURATION [SUPPORTED FROM BOTH; XML (MANUAL) AND RULESET DESIGNER (UI)]**

**WORK ITEM MAPPING CONFIGURATION FOR "HEADINGS" IN MICROSOFT WORD**

1. As a User, while importing the word document, I want to map each heading style to a different work item type. And heading name should map to "Title" field and content/paragraph written under the heading should map to any HTML field of a work item.
  - i. You must select each heading node individually (i.e. Heading1, Heading2 & so on) to map to different type of a work item. **(Refer to below screenshots of sample Word document, XML file (manual) and ruleset designer (UI))**

**SAMPLE WORD DOCUMENT**

The screenshot shows a Microsoft Word document titled "Business Requirement Document". The document content is as follows:

- 1. Project Introduction → Heading 1 as Section work item type
 

The possibility of having introductory text in documents is important for System requirements Document consumers. Although ideally the group will be moving towards online-approval of requirements - that is not the process today. The text should import into an artifact in such a way that when a report is generated it shows up in the introduction section of a System Requirements Document. **Map to WI's description field**
- 2. Project Requirements → Heading 1
  - 2.1 Support customer self-service so that we can reduce cost → Heading 2 as Epic WI
    - 2.1.1. User Management → Heading 3 as Feature WI
      - 2.1.1.1. As a User, I shall be able to register online to create a support account → Heading 4 as PBI WI

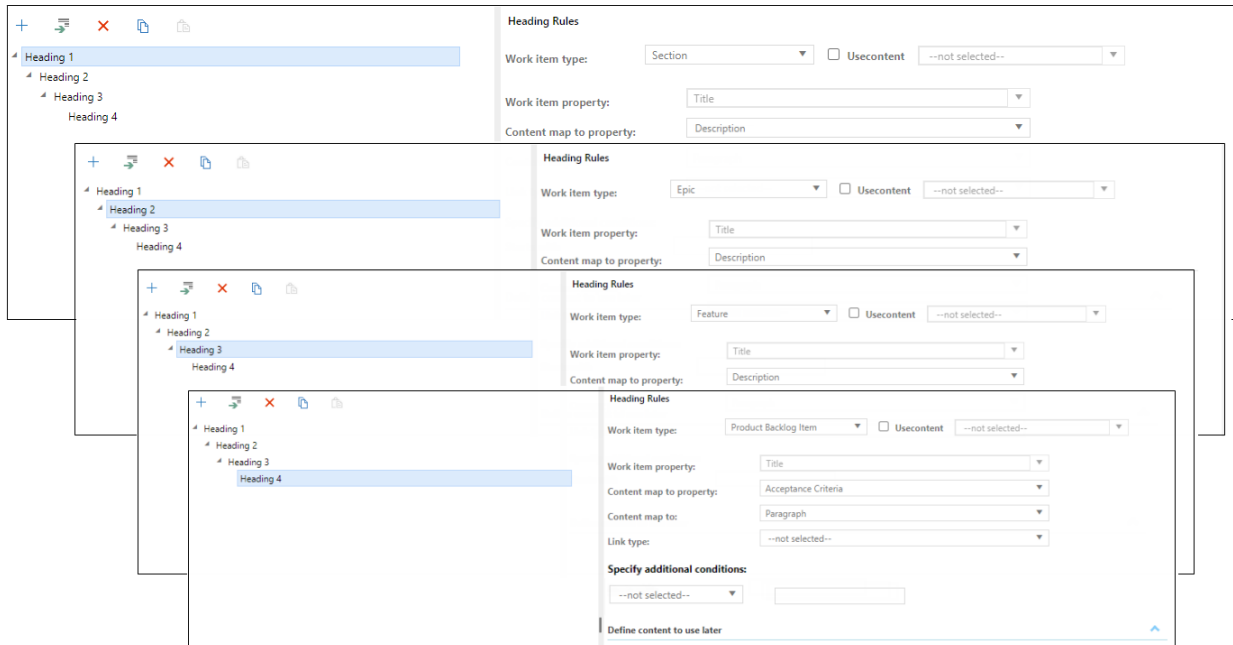
**Details**

Users shall be able to login into the application from the Login page.

The screenshot also includes a screenshot of a web application's "Register" page, with the text "Register Registration" and "First name" field. An annotation says "Map to WI's 'Acceptance Criteria' field".



**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**



**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

<?xml version="1.0" encoding="utf-8"?>
<RulesSets>
  <Heading1 witype="Section" property="Title" propertytype="string">
    <Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
  </Heading1>
  <Heading2 witype="Epic" property="Title" propertytype="string">
    <Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
  </Heading2>
  <Heading3 witype="Feature" property="Title" propertytype="string" linktype="Child">
    <Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
  </Heading3>
  <Heading4 witype="Product Backlog Item" property="Title" propertytype="string">
    <Paragraph property="Acceptance Criteria" propertytype="html"></Paragraph>
  </Heading4>
</RulesSets>

```

2. As a User, while importing the word document, I want to map each heading style to the same work item type for example “Requirement”.
  - i. You have to use “Headings” tag to map same work item type at all headings defined in the document. (as shown in below screenshots of sample document, manual ruleset XML file and ruleset file from designer)

**SAMPLE WORD DOCUMENT**

**1. Project Introduction** → Heading 1

The possibility of having introductory text in documents is important for System requirements Document consumers. Although ideally the group will be moving towards online-approval of requirements - that is not the process today. The text should import into an artifact in such a way that when a report is generated it shows up in the introduction section of a System Requirements Document.

**2. Project Scope** → Heading 1

The following components are considered in scope for this initiative.

#	In-Scope Component
1	Requirements Authoring
2	Requirements Analysis
3	Requirements Documentation

**3. Project Requirements** → Heading 1

**3.1. Support customer self-service so that we can reduce cost** → Heading 2

**3.1.1. User Management** → Heading 3

**3.1.1.1. User Stories of User Management** → Heading 4

**3.1.1.1.1. As a User, I shall be able to register online to create a support account.**

as Requirement work item

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

**Headings Rules**

Include all headings in the hierarchy.

Work item type: Requirement  Usecontent --not selected--

Work item property: Title

Content map to property: Description

Content map to: Both

Link type: --not selected--

**Specify additional conditions:**

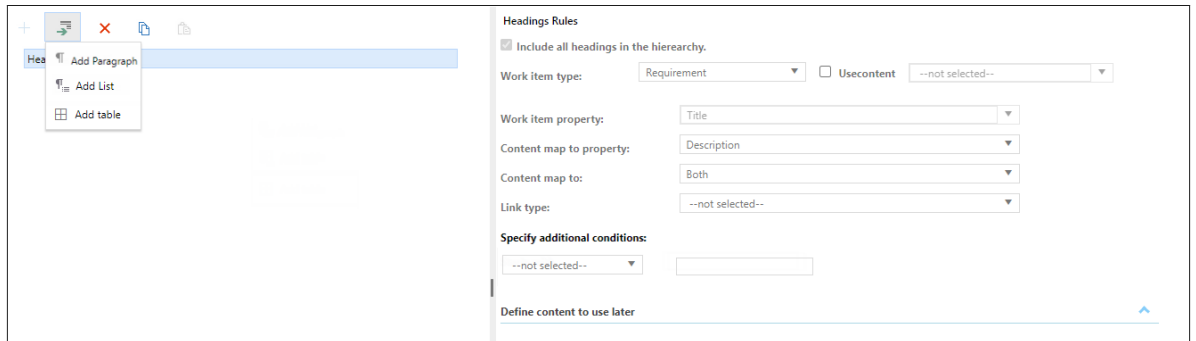
--not selected--

Define content to use later

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="utf-8"?>
<RulesSets>
  <Headings witype="Requirement" property="Title" recursive="true">
    <Paragraph property="Description" propertytype="html"></Paragraph>
  </Headings>
</RulesSets>
```

- ii. Once you defined “Headings’ tag, after that individual heading (H1-H9) **cannot be defined therefore on sub-add drop-down “Add Table” & “Add List” value will be shown**



- 3. As a User, while importing the Word document, I want to map same heading into two different work item types or more by using use content.

- a. You have to define the condition to differentiate between two same headings (as shown in below screenshots of sample document, manual ruleset XML file and ruleset file from designer)

**SAMPLE WORD DOCUMENT**

**Project Introduction** → **Heading 1; use this as "Use Content value".**

The possibility of having introductory text in documents is important for System requirements Document consumers. Although ideally, the group will be moving towards online approval of requirements - that is not the process today. The text should import into an artifact in such a way that when a report is generated it shows up in the introduction section of a System Requirements Document.

**Issue** → **Heading 1; use this as "Use Content value"** **Map to WI's description field**

The system is taking more than 3 seconds to Continuous loading bar is showing, respond Link is not working to create support Following error message is "Unable to create the account."

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

**Heading Rules**

Work item type: --not selected--  Usecontent WType

Work item property: Title

Content map to property: Description

Content map to: Paragraph

Link type: --not selected--

**Specify additional conditions:**

--not selected--

**Define content to use later**

S.No	Name	Condition	Value
1	WType	startswith:Project Introduction	Requirement
2	WType	startswith:issue	Bug


+ Add content

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**


```
<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <Heading1 witype="usecontent:WIType" property="Title" propertytype="string">
    <Usecontent name="WIType" condition="startswith==Project Introduction" value="Requirement" propertytype="string" />
    <Usecontent name="WIType" condition="startswith==Issue" value="Bug" propertytype="string" />
    <Paragraph property="Description" propertytype="html" untillnext="witype" />
  </Heading1>
</RulesSets>
```

- 4. As a User, while importing the Word document, I want to map same heading into two different work item types or more.
  - i. You have to define the condition to differentiate between two same headings (as shown in below screenshots of sample document, manual ruleset XML file and ruleset file from designer)

**SAMPLE WORD DOCUMENT**



**Business Requirement Document**



**Project Introduction** → **Heading 1; map to "Section" WIT.**

The possibility of having introductory text in documents is important for System requirements Document consumers. Although ideally the group will be moving towards online-approval of requirements - that is not the process today. The text should import into an artifact in such a way that when a report is generated it shows up in the introduction section of a System Requirements Document.

**ISSUES** → **Heading 1; each row in a table should map to "Issue" WIT.**

S.No	Title	Description
1.	System is taking more than 3 seconds to respond	Continuous loading bar is showing.
2.	Link is not working to create a support account	Following error message "Unable to create the support account" is showing.
3.	Unable to login due to login screen is not working.	Login screen stuck at some point.
4.	Not able to change Password as the submit button is not working.	Nothing is happening on clicking at Submit button.
5.	Unable to update my profile.	Database server is down.

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

The image shows two screenshots of the RuleSet Designer interface. The top screenshot shows a configuration for a heading rule where the 'Starts with' condition is set to 'Issues'. The bottom screenshot shows a similar configuration where the 'Starts with' condition is set to 'Project'. Both screenshots show a tree view on the left with 'Heading 1' selected, and a configuration panel on the right with various dropdown menus and checkboxes.

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

<RulesSets>
<Heading1 condition="startswith==Issues">
  <Table>
    <Row index="1" removed="true"> </Row>
    <Row witype="Issue">
      <Cell index="1" ignore="true">
      </Cell>
      <Cell index="2">
        <Paragraph property="Title" propertytype="string">
        </Paragraph>
      </Cell>
      <Cell index="3">
        <Paragraph property="Description" propertytype="html">
        </Paragraph>
      </Cell>
    </Row>
  </Table>
</Heading1>
<Heading1 condition="startswith==Project" witype="Section" property="Title" propertytype="string">
<Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
<Heading2 witype="Epic" property="Title" propertytype="string">
  <Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
  
```

**Note:**

- The same configuration is used for the “Ends with” condition also.

```

<RulesSets>
<Heading1 condition="startswith==Issues">
  <table>
    <Row index="1" removed="true"> </Row>
    <Row witype="Issue">
      <Cell index="1" ignore="true">
      </Cell>
      <Cell index="2">
        <Paragraph property="Title" propertytype="string">
        </Paragraph>
      </Cell>
      <Cell index="3">
        <Paragraph property="Description" propertytype="html">
        </Paragraph>
      </Cell>
    </Row>
  </Table>
</Heading1>
<Heading1 condition="endswith==Introduction" witype="Section" property="Title" propertytype="string">
<Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
  <Heading2 witype="Epic" property="Title" propertytype="string">
    <Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
  </Heading2>
</Heading1>

```

- 5. As a User, while importing the word document, I want to map table placed under the respective heading into the work item’s HTML field.

**SAMPLE WORD DOCUMENT**

MODERN Requirements **Business Requirement Document** Modern Requirements 4 DevOps

4. Issues

S.No	Title	Description
1.	System is taking more than 3 seconds to respond	Continuous loading bar is showing.
2.	Link is not working to create a support account	Following error message "Unable to create the support account" is showing.
3.	Unable to login due to login screen is not working.	Login screen stuck at some point.
4.	Not able to change Password as the submit button is not working.	Nothing is happening on clicking at Submit button.
5.	Unable to update my profile.	Database server is down.

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

The screenshot shows the 'Heading Rules' configuration panel. On the left, a tree view shows 'Heading 1' selected. The main panel contains the following settings:

- Work item type:** User Story (dropdown),  Usecontent, --not selected-- (dropdown)
- Work item property:** Title (dropdown)
- Content map to property:** Description (dropdown)
- Content map to:** Table (dropdown)
- Link type:** --not selected-- (dropdown)
- Specify additional conditions:** Starts with (dropdown) Issues (text input)
- Define content to use later** (link)

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="UTF-8" ?>
<RulesSets>
  <Heading1 witype="User Story" property="Title" propertytype="string">
    <Paragraph property="Description" propertytype="html" untillnext="witype" />
    <Table property="Description" propertytype="html" untillnext="witype" />
  </Heading1>
</RulesSets>
```



**WORK ITEM MAPPING CONFIGURATION FOR "TABLES" IN MICROSOFT WORD**

- As a User, while importing the Word document, I want to map whole table to a single work item which has fields in form of merged cell.

**SAMPLE WORD DOCUMENT**

ID	Title	Priority
1	Feature Title	1
Description		
Feature Description		
Effort		
100		

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

The screenshot displays the Ruleset Designer interface for configuring work item mapping from a Microsoft Word table. The interface is divided into a tree view on the left and configuration panels on the right.

- Tree View (Left):** Shows a hierarchy of 'Table' with 6 rows and 2 columns. Row 1 and Row 3 are marked as 'ignored'. The configuration is applied to Row 2, Column 2.
- Table Rules Panel:**
  - Work item type: Feature
  - Usecontent:  (unchecked)
  - Field: --not selected--
- Row Rules Panel:**
  - Row index: 2
  - Ignore this row:  (unchecked)
  - Apply to all rows:  (unchecked)
  - Work item type: Feature
- Column Rules Panel (for Column index = 2):**
  - Ignore this column:  (unchecked)
  - Work item type: Feature
  - Field: Title
  - Usecontent:  (unchecked)
  - Field Value: [Empty]
- Column Rules Panel (for Column index = 3):**
  - Ignore this column:  (unchecked)
  - Work item type: Feature
  - Field: Priority
  - Usecontent:  (unchecked)
  - Field Value: [Empty]
- Define content to use later:** A text area at the bottom right for defining content to use later.

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="utf-8"?>
<RulesSets>
  <Table witype="Feature">
    <Row index="1" removed="true"></Row>
    <Row index="2" >
      <Cell index="1" removed="true">
      </Cell>
      <Cell index="2">
        <Paragraph property="Title">
        </Paragraph>
      </Cell>
      <Cell index="3">
        <Paragraph property="Priority">
        </Paragraph>
      </Cell>
    </Row>
    <Row index="3" removed="true"></Row>
    <Row index="4" >
      <Cell>
        <Paragraph property="Description">
        </Paragraph>
      </Cell>
    </Row>
    <Row index="5" removed="true"></Row>
    <Row index="6" >
      <Cell>
        <Paragraph property="Bffort">
        </Paragraph>
      </Cell>
    </Row>
  </Table>
</RulesSets>
```

- As a User, while importing the Word document, I want to map each row of a table to the same work item type and each column map to individual field of a work item. I do not want to map header row.

**SAMPLE WORD DOCUMENT**

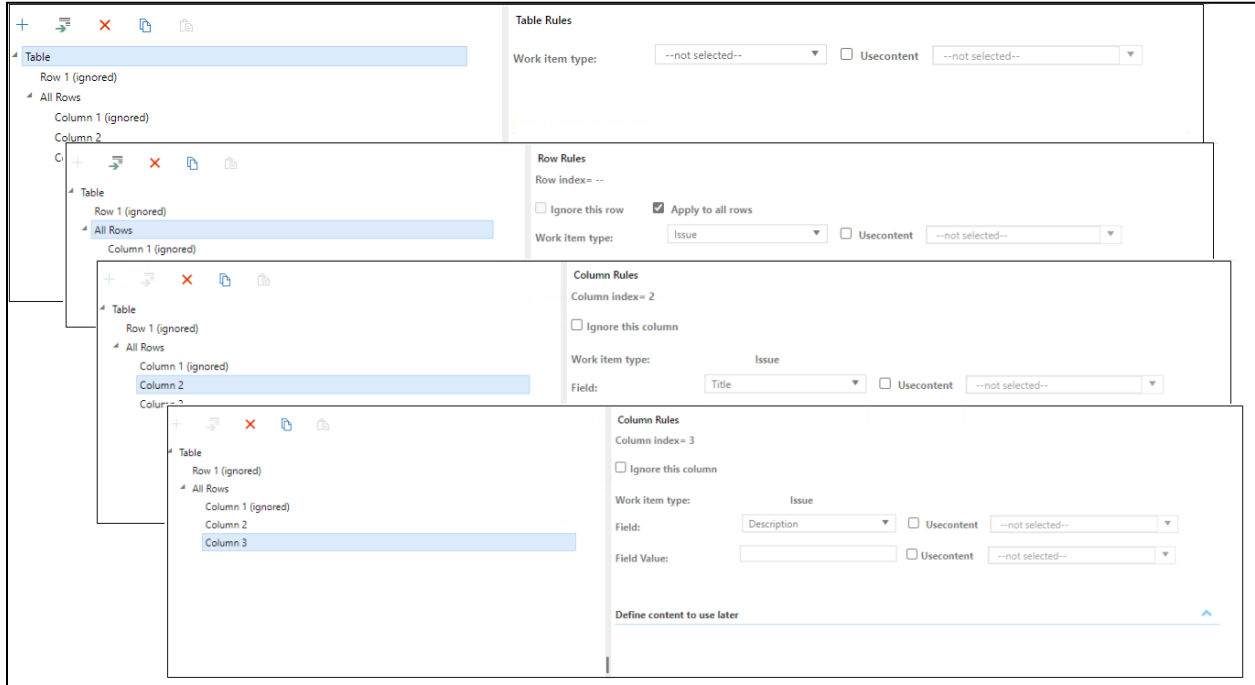
MODERN Requirements Business Requirement Document Modern Requirements 4 DevOps

Each row should become "Issue" work item and details defined in each column should map to individual work item's field except column #1 i.e. "S.No", ignore it.

**3. Issues**

S.No	Title	Description
1	System is taking more than 3 seconds to respond	Continuous loading bar is showing.
2.	Link is not working to create a support account	Following error message "Unable to create the support account" is showing.
3.	Unable to login due to login screen is not working.	Login screen stuck at some point.
4.	Not able to change Password as the submit button is not working.	Nothing is happening on clicking at Submit button.
5.	Unable to update my profile.	Database server is down.

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**



**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="utf-8"?>
<Rulesets>
  <Table>
    <Row index="1" removed="true" />
    <Row witype="Issue">
      <Cell index="1" ignore="true" />
      <Cell index="2">
        <Paragraph property="Title" propertytype="string">
        </Paragraph>
      </Cell>
      <Cell index="3">
        <Paragraph property="Description" propertytype="html">
        </Paragraph>
      </Cell>
    </Row>
  </Table>
</Rulesets>
```

**Note:** If you don't want to map header row of a table to any work item type, you have to check the "Ignore this row" check box from "Row Rules" in right panel in ruleset designer. (as shown in below ruleset file from designer configuration image)

- As a User, while importing the Word document, I want to map the whole column with different values by defining Usecontent.

**SAMPLE WORD DOCUMENT**

S.No	Title	Description	Priority
1.	System is taking more than 3 seconds to respond	Continuous loading bar is showing.	High
2.	Link is not working to create a support account	Following error message is showing "Unable to create a support account"	Moderate
3.	Unable to login due to login screen is not working.	Login screen stuck at some point.	Low
4.	Not able to change Password as the submit button is not working.	Nothing is happening on clicking at Submit button.	Low
5.	Unable to update my profile.	Database server is down.	Moderate

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

The screenshot displays the RuleSet Designer interface for configuring a table. The left pane shows a tree view of the table structure, including 'Table', 'Row 1 (ignored)', 'All Rows', and individual columns. The right pane shows configuration options for 'Table Rules', 'Row Rules', and 'Column Rules'. The 'Table Rules' panel shows 'Work item type' as '--not selected--' and 'Usecontent' as '--not selected--'. The 'Row Rules' panel shows 'Row index' as '--', 'Ignore this row' as unchecked, 'Apply to all rows' as checked, and 'Work item type' as 'Feature'. The 'Column Rules' panels show configurations for 'Column index' 2, 3, and 4. The 'Column Rules' panel for index 4 shows 'Field' as 'Priority', 'Field Value' as 'PriorityValue', and 'Usecontent' as checked. Below the configuration panels, a section titled 'Define content to use later' contains a table with the following data:

S.No	Name	Condition	Value
1	PriorityValue	value:High	1
2	PriorityValue	value:Moderate	2
3	PriorityValue	value:Low	3

There is also an '+ Add content' button below the table.

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

<?xml version="1.0" encoding="UTF-8" ?>
<RulesSets>
  <Table>
    <Row index="1" ignore="true" />
    <Row witype="Feature">
      <Cell index="1" ignore="true" />
      <Cell index="2">
        <Paragraph property="Title" propertytype="string" untillnext="witype" />
      </Cell>
      <Cell index="3">
        <Paragraph property="Description" propertytype="html" untillnext="witype" />
      </Cell>
      <Cell index="4">
        <Usecontent name="PriorityValue" condition="value==High" value="1" propertytype="string" />
        <Usecontent name="PriorityValue" condition="value==Moderate" value="2" propertytype="string" />
        <Usecontent name="PriorityValue" condition="value==Low" value="3" propertytype="string" />
        <Paragraph>
          <Property name="Priority" value="usecontent:PriorityValue" propertytype="string" />
        </Paragraph>
      </Cell>
    </Row>
  </Table>
</RulesSets>
  
```

**Note:** Only Usecontent check box will be enabled & section will be hidden if table is defined on top node and as a child of any heading, and also Usecontent check box will be enabled & section will be hidden at row level

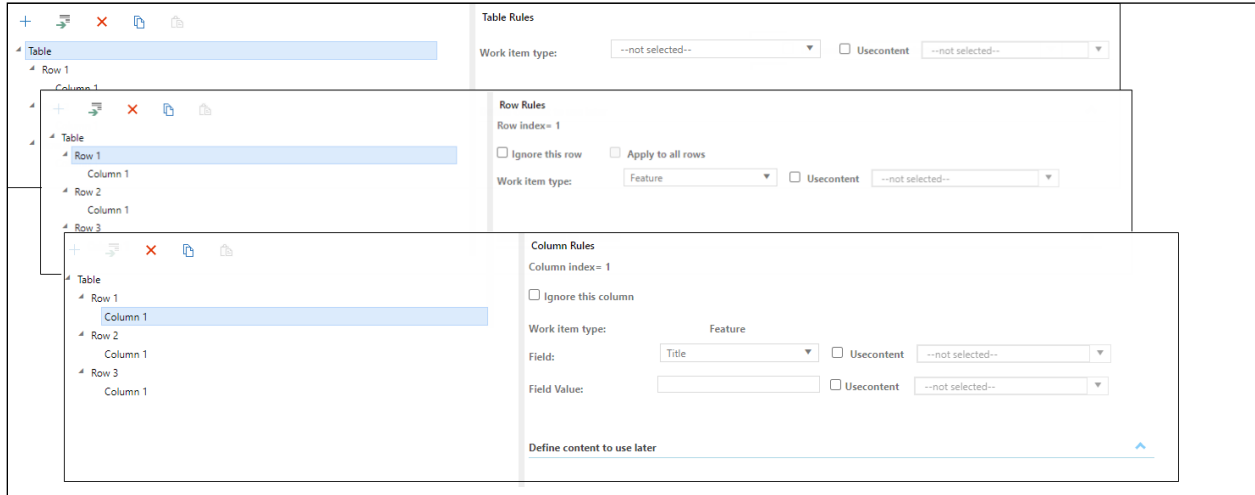
- 4. As a User, while importing the Word document, I want to map each row of a table to different work item type

**SAMPLE WORD DOCUMENT**

The screenshot shows the header of a Business Requirement Document. At the top left is the 'MODERN Requirements' logo, in the center is the title 'Business Requirement Document', and at the top right is 'Modern Requirements 4 DevOps'. Below the header is a table with three rows, each mapping a document component to a specific work item type:

In Scope Component	→	Row 1 as FEATURE Work item type
Requirement Analysis	→	Row 2 as EPIC Work item type
Requirement Authoring	→	Row 3 as ISSUE Work item type

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**



**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <Table>
    <Row index="1" witype="Feature">
      <Cell index="1">
        <Paragraph property="Title" propertytype="string" untillnext="witype" />
      </Cell>
    </Row>
    <Row index="2" witype="Epic">
      <Cell index="1">
        <Paragraph property="Title" propertytype="string" untillnext="witype" />
      </Cell>
    </Row>
    <Row index="3" witype="Issue">
      <Cell index="1">
        <Paragraph property="Title" propertytype="string" untillnext="witype" />
      </Cell>
    </Row>
  </Table>
</RulesSets>
    
```

**WORK ITEM MAPPING CONFIGURATION FOR “LIST PARAGRAPH” IN MICROSOFT WORD**

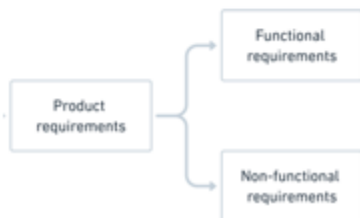
1. As a User, while importing the word document, I want to map each list paragraph to a different work item type.
  - i) You must select each list paragraph node individually to map to a different type of work item. (Refer to below screenshots of sample Word document, XML file (manual), and ruleset designer (UI))

**SAMPLE WORD DOCUMENT**

**What are business requirements? → Heading 1 as Epic Work Item Type**

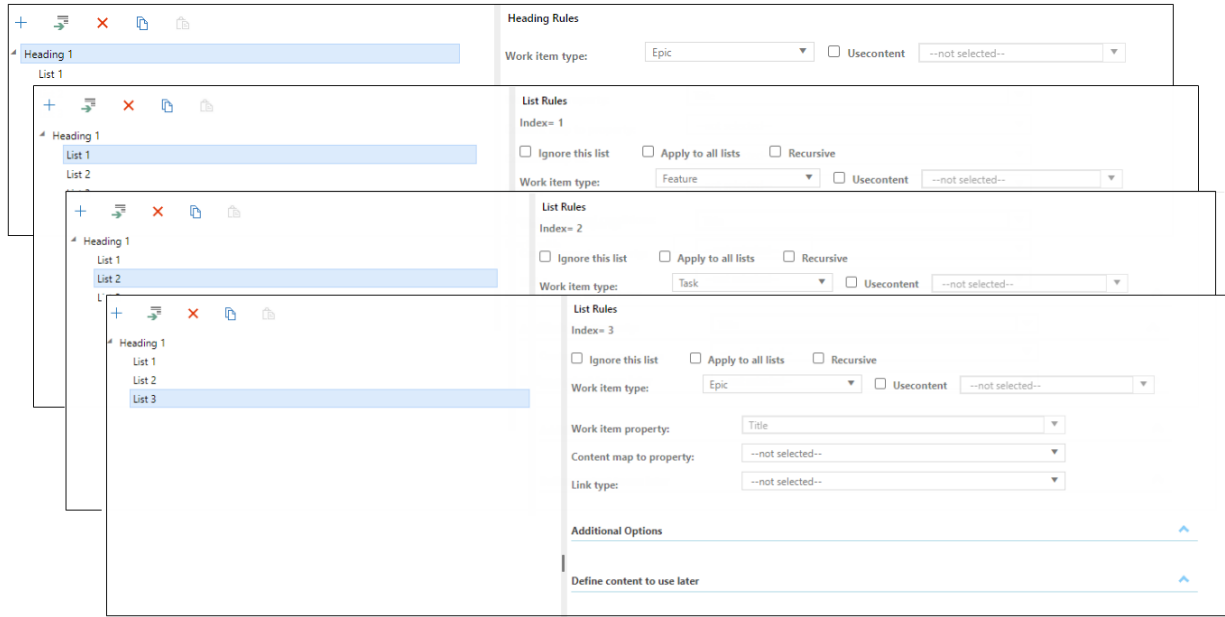
A **business requirement** is a rationale behind the initiation of a project. It describes the overall business goal of a project from the company’s point of view. The project in question may involve a small-scale process optimization or the development of a brand-new product. Depending on its scope, the business requirements could be a simple description of business needs or a highly complex set of business objectives across multiple domains. In any case, the business requirements need to be clearly defined for the project to be a success. Types of requirements are as follows: → **Map to WI’s Description field**

- Describe the high-level business needs, without going into how the solution should be implemented. These may involve carving a market share, reducing customer churn, or improving the customers' lifetime value. → **List Paragraph 1 as Feature Work Item Type**
- Cover the different goals your users can achieve using the product and are based on the value it delivers to them. User requirements are commonly documented in the form of user stories, use cases, and scenarios. → **List Paragraph 2 as Task Work Item Type**
- Product requirements are derived from your business and user requirements and describe in detail how the system needs to operate to meet these requirements. Product requirements further classified into: → **List Paragraph 3 as Epic Work Item Type**





**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**



**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

<?xml version="1.0" encoding="UTF-8" ?>
<RulesSets>
  <Heading1 witype="Epic" property="Title" propertytype="string">
    <Paragraph property="Description" propertytype="html" untillnext="witype"></Paragraph>
    <Listparagraph1 index="1" witype="Feature" property="Title" propertytype="string">
    </Listparagraph1>
    <Listparagraph2 index="2" witype="Task" property="Title" propertytype="string">
    </Listparagraph2>
    <Listparagraph3 index="3" witype="Epic" property="Title" propertytype="string">
    </Listparagraph3>
  </Heading1>
</RulesSets>

```

2. As a User, while importing the word document, I want to map each list paragraph to the same work item type for example “Epic”.

- a) You have to check the “Apply to all lists” check box from the right panel to map the same work item type at all bullets/numbering defined in the document. **(as shown in below screenshots of the sample document, manual ruleset XML file, and ruleset file from the designer)**

**SAMPLE WORD DOCUMENT**

**How to write a Test Plan?** → **Heading 1 as Feature Work Item Type**

You already know that making a **Test Plan** is the most important task of the Test Management Process. Follow the seven steps below to create a test plan as per IEEE

829 → **Map to WI's Description field**

1. Analyze the product
  2. Design the Test Strategy
  3. Define the Test Objectives
  4. Define Test Criteria
  5. Resource Planning
  6. Plan Test Environment
  7. Schedule & Estimation
  8. Determine Test Deliverables
- as Epic Work Item type**

When check the "Apply to all lists" check box from right panel

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

The screenshot shows the Ruleset Designer interface. On the left, a tree view shows a folder 'Heading 1' containing an item 'All List'. On the right, the configuration panel for 'List Rules' is visible. It includes the following settings:

- Index: --
- Ignore this list
- Apply to all lists
- Recursive
- Work item type: Epic
- Usecontent: --not selected--
- Work item property: Title
- Content map to property: --not selected--
- Link type: --not selected--
- Additional Options: (expandable section)
- Define content to use later: (expandable section)

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <Heading1 witype="Feature" property="Title" propertytype="string">
    <Paragraph property="" propertytype="html" untillnext="witype" />
    <ListParagraph witype="Epic" property="Title" propertytype="string" />
  </Heading1>
</RulesSets>
```

b) As a User, while importing the word document, I want to map each list paragraph defined in the hierarchy to the same work item type for example "Epic".

- a) You have to check the "recursive" check box from the right panel to map the same work item type in the hierarchy defined in the document. (as shown in below screenshots of the sample document, manual ruleset XML file, and ruleset file from the designer)

**SAMPLE WORD DOCUMENT**

**Tips for Writing Better User Documentation** → **Heading 1 as Feature Work**

Okay, so you're ready to start writing better user documentation. Let's jump in and find out how:

→ **Map to WI's Description**

**1) Start with A Plan**

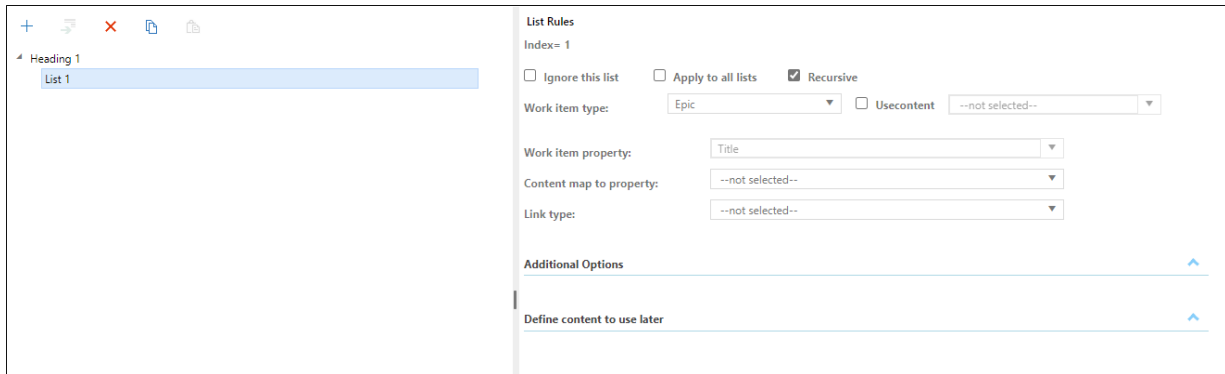
Most things in life work out better when you start with a plan and creating user documentation is no different. That's why it's important to begin by asking a number of key questions:

- i) What is the goal of my user documentation?
- ii) What do my users need to know to get the best out of my product or service?
- iii) What are the most common problems my users face and the best ways to solve them?
- iv) What's the best way to structure my content for ease of understanding?
- v) Where is the best place to make my user documentation available?

→ **As Epic Work Item type**

Check the "Recursive" check box

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**



**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <Heading1 witype="Feature" property="Title" propertytype="string">
    <Paragraph property="" propertytype="html" untillnext="witype"> </Paragraph>
    <ListParagraph witype="Epic" property="Title" propertytype="string" recursive="true"> </ListParagraph>
  </Heading1>
</RulesSets>
```

3. As a User, while importing the word document, I want to map bullets/numbering within the same list paragraph to the different work item type by using Usecontent.

- a) You have to define “Usecontent” at list level and check the “Apply to all lists” check box from the right panel to map all bullets/numbering defined in the document. (as shown in below screenshots of the sample document, manual ruleset XML file, and ruleset file from the designer)

**SAMPLE WORD DOCUMENT**

MODERN Requirements **Business Requirement Document** Modern Requirements 4 DevOps

- System must send a confirmation email whenever an order is placed.
- System must allow blog visitors to sign up for the newsletter by leaving their email.
- System must allow users to verify their accounts using their phone number.
- The first page must load within 2 seconds.
- The process must finish within 3 hours so data is available by 8 a.m. local time after an overnight update.
- System must meet Web Content Accessibility Guidelines.
- The Database security must meet HIPAA requirements.
- The Users shall be prompted to provide an electronic signature before loading a new page.

• Usecontent is defined as the list starts with the word "System" defined in the document map to "Functional Requirement".

• Usecontent is defined as the list starts with the word "The" defined in the document map to "Non Functional Requirement".

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

List Rules  
Index= --

Ignore this list  Apply to all lists  Recursive

Work item type: --not selected--  Usecontent WType

Work item property: Title

Content map to property: --not selected--

Link type: --not selected--

Additional Options

Define content to use later

S.No	Name	Condition	Value
1	WType	startswithSystem	Functional Requirement
2	WType	startswithThe	Non Functional Requirement

+ Add content

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <ListParagraph witype="usecontent:WType" property="Title" propertytype="string">
    <Usecontent name="WType" condition="startswith==System" value="Functional Requirement" propertytype="string" />
    <Usecontent name="WType" condition="startswith==The" value="Non Functional Requirement" propertytype="string" />
  </ListParagraph>
</RulesSets>
```

4. As a User, while importing the Word document, I want to map a single list paragraph into multiple fields for example some content of a paragraph into one field and remaining content into another field.

- a) You have to check the “Import list as” check box in the right panel to map a single list paragraph into multiple fields for example some content of a paragraph into one field and remaining content into another field. **(as shown in below screenshots of the sample document, manual ruleset XML file, and ruleset file from the designer)**

**SAMPLE WORD DOCUMENT**

The screenshot shows a document header with 'MODERN Requirements', 'Business Requirement Document', and 'ModernRequirements4DevOps'. Under the 'Additional Options' section, there is a checkbox labeled 'Import list as' which is checked. A yellow arrow points from this checkbox to the text 'Heading 1 as Feature Work Item Type'. Below this, a blue curved arrow points to a text box containing the instructions: 'Import list as: map to "Title" And rest of all map to sub-paragraph field "Description"'. Another yellow arrow points from this text box to the text 'List Paragraph 1 as Epic Work Item Type'.

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

**List Rules**  
Index= 1

Ignore this list     Apply to all lists     Recursive

Work item type: Task     Usecontent --not selected--

Work item property: Title

Content map to property: --not selected--

Link type: --not selected--

**Additional Options**

Import list as: Divide into sub-paragraphs

Sub Paragraph Field: Title    Starts at: 0    Ends at: 15    ✖

Sub Paragraph Field: Description    Starts at: 17    Ends at: 229    ✖

+ Add more sub paragraphs

Define content to use later

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

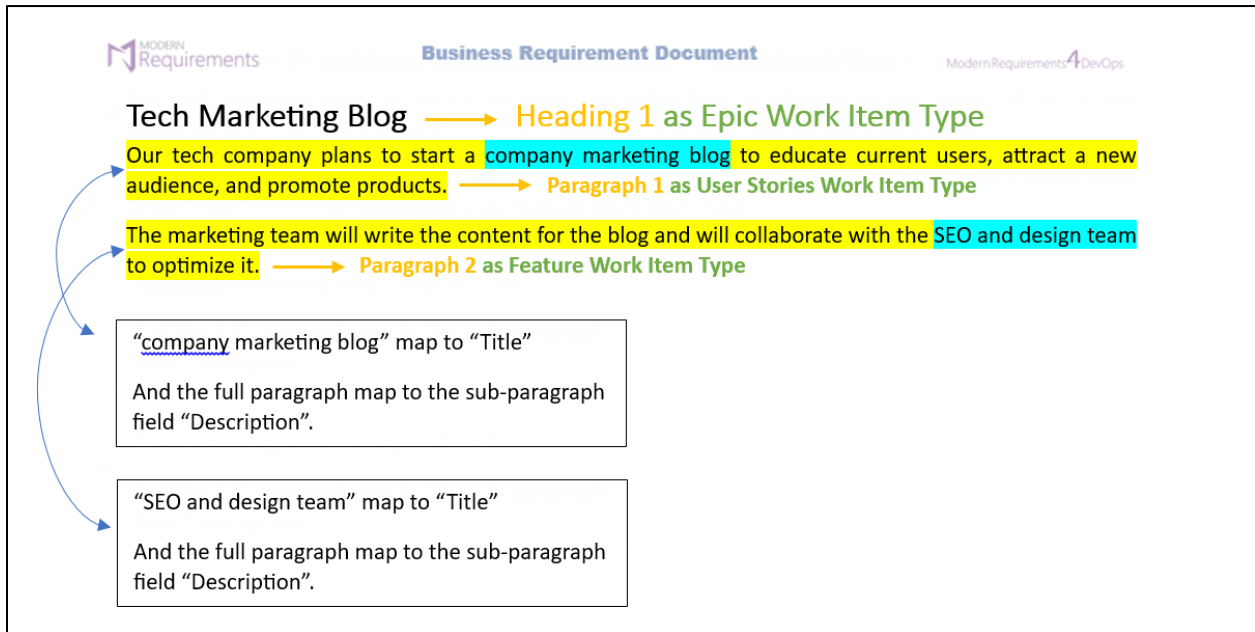
<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <Heading1 witype="Feature" property="Title" propertytype="string">
    <Paragraph property="" propertytype="html" untillnext="witype"> </Paragraph>
    <ListParagraph index="1" witype="Task" property="Title" propertytype="string">
      <SubParagraph property="Title" start="0" end="15" propertytype="string" />
      <SubParagraph property="Description" start="17" end="229" propertytype="html" />
    </ListParagraph>
  </Heading1>
</RulesSets>

```

**WORK ITEM MAPPING CONFIGURATION FOR “ADD PARAGRAPH” IN MICROSOFT WORD**

1. As a User, while importing the word document, I want to map each paragraph to a different work item type and with multiple fields, for example some content of a paragraph into one field and remaining content into another field.
  - i) You must select each paragraph node individually to map to a different type of work item, and in each paragraph by default “Import list as” check box in the right panel is checked to map a single list paragraph into multiple fields and by default title field is selected in this dropdown. **(Refer to below screenshots of sample Word document, XML file (manual), and ruleset designer (UI))**

**SAMPLE WORD DOCUMENT**





**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

The image displays three overlapping screenshots of the RuleSet Designer interface, illustrating the configuration of rules for importing content from a Word document.

- Top Screenshot (Heading Rule):** Shows a rule for 'Heading 1' (Index=1) with 'Epic' as the work item type. The 'Usecontent' checkbox is unchecked, and the content field is set to 'Title'.
- Middle Screenshot (Paragraph Rule):** Shows a rule for 'Paragraph 1' (Index=1) with 'User Story' as the work item type. The 'Usecontent' checkbox is unchecked. Under 'Additional Options', 'Import Paragraph as' is set to 'Divide into sub-paragraphs'. Two sub-paragraph fields are defined: 'Title' (Starts at: 35, Ends at: 56) and 'Description' (Starts at: 1, Ends at: 1...).
- Bottom Screenshot (Paragraph Rule):** Shows a rule for 'Paragraph 2' (Index=2) with 'Feature' as the work item type. The 'Usecontent' checkbox is unchecked. Under 'Additional Options', 'Import Paragraph as' is set to 'Divide into sub-paragraphs'. Two sub-paragraph fields are defined: 'Title' (Starts at: 88, Ends at: 1...) and 'Description' (Starts at: 1, Ends at: 1...). There is a red 'X' next to the 'Description' field's 'Ends at' value.

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```

<?xml version="1.0" encoding="UTF-8" ?>
<RulesSets>
  <Heading1 witype="Epic" property="Title" propertytype="string">
    <Paragraph index="1" witype="User Story" visible="true">
      <SubParagraph property="Title" start="35" end="56" propertytype="string" />
      <SubParagraph property="Description" start="1" end="128" propertytype="string" />
    </Paragraph>
    <Paragraph index="2" witype="Feature" visible="true">
      <SubParagraph property="Title" start="88" end="101" propertytype="string" />
      <SubParagraph property="" start="1" end="117" propertytype="string" />
    </Paragraph>
  </Heading1>
</RulesSets>
  
```

2. As a User, while importing the word document, I want to map paragraph within the same paragraph to the different work item type by using Usecontent.

- a) You have to define “Usecontent” at list level and check the “Apply to all lists” check box from the right panel to map all bullets/numbering defined in the document. **(as shown in below screenshots of the sample document, manual ruleset XML file, and ruleset file from the designer)**

**SAMPLE WORD DOCUMENT**

The screenshot shows a document titled "Business Requirement Document" with the following content and annotations:

- Tech Marketing Blog** —> **Heading 1 as Epic Work Item Type**
- Our tech company plans to start a **company marketing blog** to educate current users, attract a new audience, and promote products. —> **Paragraph 1 use this as Usecontent**
- The marketing team will write the content for the blog and will collaborate with the **SEO and design team** to optimize it. —> **Paragraph 2 use this as Usecontent**

Two callout boxes provide mapping instructions:

- Box 1: "company marketing blog" map to "Title" And the full paragraph map to the sub-paragraph field "Description".
- Box 2: "SEO and design team" map to "Title" And the full paragraph map to the sub-paragraph field "Description".

**EXAMPLE OF MAPPING CONFIGURATION FROM RULESET DESIGNER**

**Heading Rules**

Work item type: Epic  Usecontent --not selected--

Work item property: Title

Content map to property: --not selected--

Content map to: Paragraph

Link type: --not selected--

**Specify additional conditions:**

--not selected--

**Define content to use later**

S.No	Name	MS Word Value	ADO field
1	WType	startswith:Our	WorkItemType:User Story
2	WType	startswith:The	WorkItemType:Feature

**Paragraph Rules**

Index= 1

Work item type: --not selected--  Usecontent WType

Link type: --not selected--

**Additional Options**

Import Paragraph as : Divide into sub-paragraphs

Sub Paragraph Field: Title Starts at: 3.. Ends at: 5..

Sub Paragraph Field: Description Starts at: 1.. Ends at: 1..

**Paragraph Rules**

Index= 2

Work item type: --not selected--  Usecontent WType

Link type: --not selected--

**Additional Options**

Import Paragraph as : Divide into sub-paragraphs

Sub Paragraph Field: Title Starts at: 8.. Ends at: 1..

Sub Paragraph Field: Description Starts at: 1.. Ends at: 1..

+ Add more sub paragraphs

**Define content to use later**

**EXAMPLE OF MAPPING CONFIGURATION IN XML FILE**

```
<?xml version="1.0" encoding="UTF-8"?>
<RulesSets>
  <Heading1 witype="Epic" property="Title" propertytype="string">
    <Usecontent name="WIType" condition="startswith=Our" value="User Story" fieldtype="WorkItemType" propertytype="string" />
    <Usecontent name="WIType" condition="startswith=The" value="Feature" fieldtype="WorkItemType" propertytype="string" />
    <Paragraph index="1" witype="usecontent:WIType" visible="true">
      <SubParagraph property="Title" start="35" end="56" propertytype="string" />
      <SubParagraph property="Description" start="1" end="128" propertytype="string" />
    </Paragraph>
    <Paragraph index="2" witype="usecontent:WIType" visible="true">
      <SubParagraph property="Title" start="88" end="101" propertytype="string" />
      <SubParagraph property="Description" start="1" end="117" propertytype="string" />
    </Paragraph>
  </Heading1>
</RulesSets>
```

**APPENDIX**

**NOTIFICATION MESSAGE ON OPENING EXISTING RULESET FILE**

If you see the following message on selecting and opening an existing ruleset file, then it means that contents placed in the ruleset file is not yet supported from the Ruleset Designer UI.

