



# WTML Examples



- Part 1: Functions
  - To Excel (creates a real table from a virtual table)
  - To Word (updates a virtual table from a real table)
  - Trace (traces dependencies between levels in a hierarchy)
  - Coverage (shows coverage of one level in a hierarchy by another)
  - Value (displays the entries from a single table row)
- Part 2: Application Examples
  - Creating a document catalogue
  - Exchanging budget figures between Word and Excel



# Part 1 - Functions



## “To Excel”

“To Excel” transfers data from a virtual table in Word to a real table in Excel.

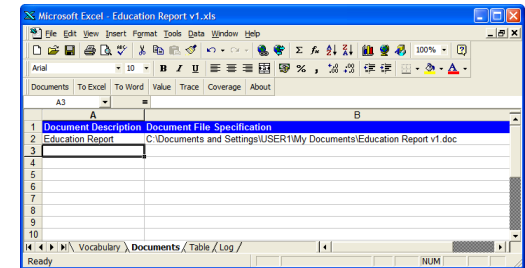
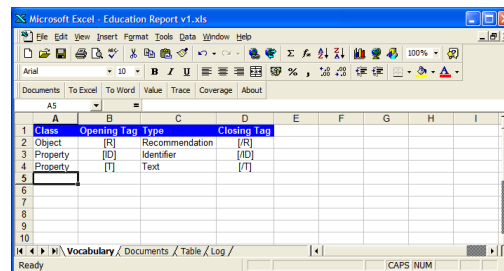
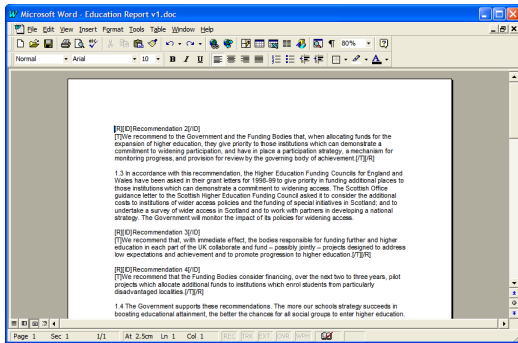
# Sequence of steps



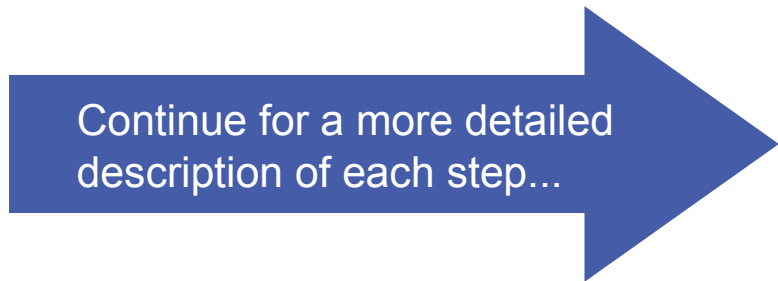
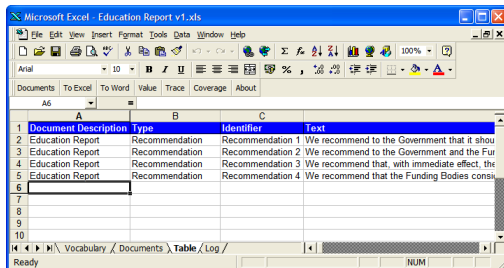
Mark up the Word document(s) →

In a worksheet define the markup vocabulary you have used →

In a second worksheet list the marked up document(s)



Click the “To Excel” button on the WTMl toolbar to create a real table in Excel



# Mark up Word document(s)



The screenshot shows the Microsoft Word interface with the document "Education Report v1.doc". The menu bar includes File, Edit, View, Insert, Format, Tools, Table, Window, and Help. The toolbar shows various icons for file operations, editing, and formatting. The status bar at the bottom indicates "Page 1 Sec 1 1/1 At 2.5cm Ln 1 Col 1".

Two callout boxes provide instructions:

- A blue callout box points to a row of markup tags: `[R][ID]Recommendation 2[/ID]`. The text says: "Mark up each row in the virtual table. In this example each recommendation forms a row and each row has two properties - identifier and text."
- A pink callout box points to the text of the first recommendation. The text says: "Markup tags can be coloured or hidden."

The document content includes the following markup and text:

`[R][ID]Recommendation 2[/ID]`  
`[T]`We recommend to the Government and the Funding Bodies that, when allocating funds for the expansion of higher education, they give priority to those institutions which can demonstrate a commitment to widening participation, and have in place a participation strategy, a mechanism for monitoring progress, and provision for review by the governing body of achievement.`[/T][/R]`

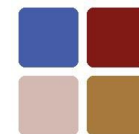
1.3 In accordance with this recommendation, the Higher Education Funding Councils for England and Wales have been asked in their grant letters for 1998-99 to give priority in funding additional places to those institutions which can demonstrate a commitment to widening access. The Scottish Office guidance letter to the Scottish Higher Education Funding Council asked it to consider the additional costs to institutions of wider access policies and the funding of special initiatives in Scotland; and to undertake a survey of wider access in Scotland and to work with partners in developing a national strategy. The Government will monitor the impact of its policies for widening access.

`[R][ID]Recommendation 3[/ID]`  
`[T]`We recommend that, with immediate effect, the bodies responsible for funding further and higher education in each part of the UK collaborate and fund – possibly jointly – projects designed to address low expectations and achievement and to promote progression to higher education.`[/T][/R]`

`[R][ID]Recommendation 4[/ID]`  
`[T]`We recommend that the Funding Bodies consider financing, over the next two to three years, pilot projects which allocate additional funds to institutions which enrol students from particularly disadvantaged localities.`[/T][/R]`

1.4 The Government supports these recommendations. The more our schools strategy succeeds in boosting educational attainment, the better the chances for all social groups to enter higher education.

# Define the markup vocabulary



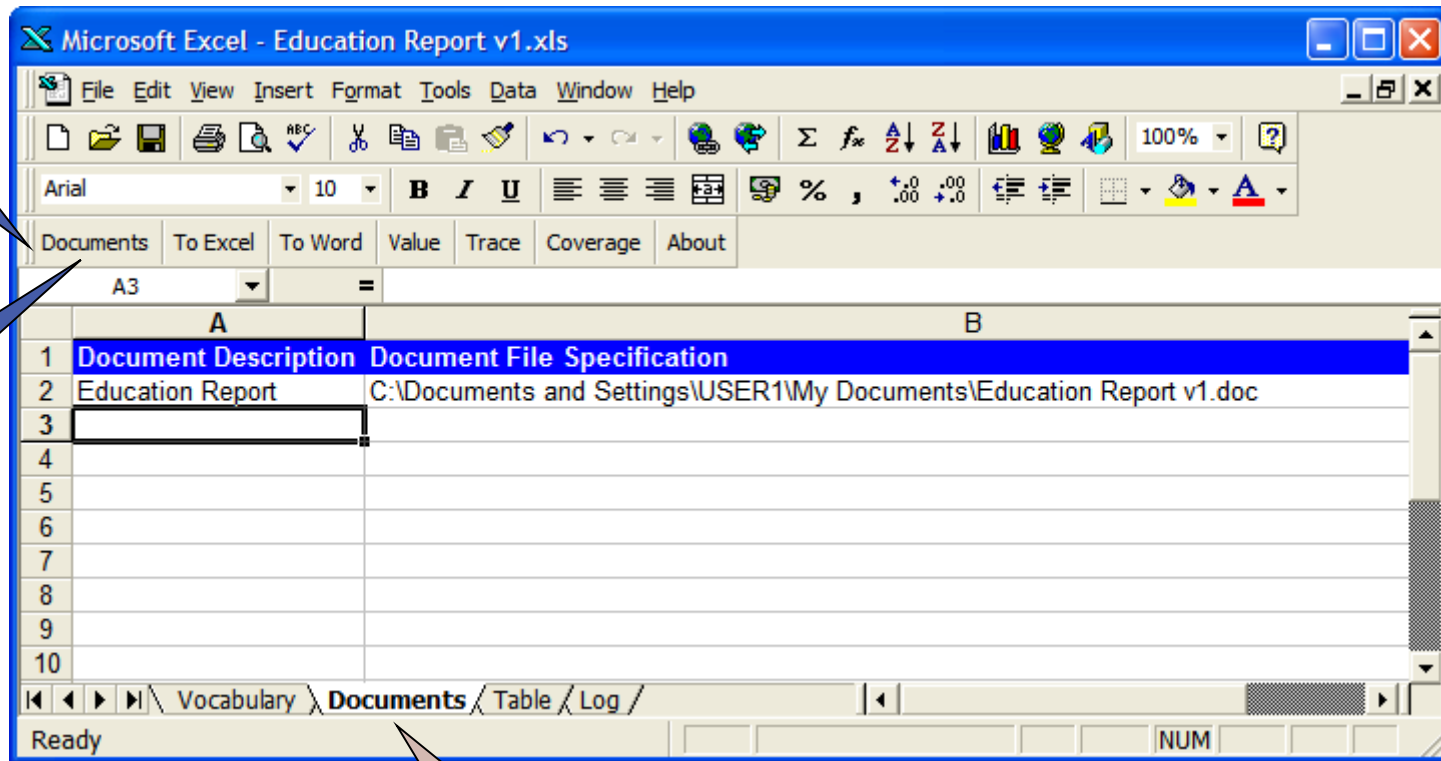
Class	Opening Tag	Type	Closing Tag
Object	[R]	Recommendation	[/R]
Property	[ID]	Identifier	[/ID]
Property	[T]	Text	[/T]

Tags of class "Object" mark the start and end of a row in a virtual table in Word.

Tags of class "Property" mark the start and end of column entries in a virtual table in Word.

Vocabulary worksheet

# List the marked up document(s)



WTML  
Toolbar

Use the  
"Documents"  
button to  
choose  
document(s)

Documents  
worksheet



# Click "To Excel"



The screenshot shows the Microsoft Excel interface with a table containing the following data:

	A	B	C	D
1	Document Description	Type	Identifier	Text
2	Education Report	Recommendation	Recommendation 1	We recommend to the Government that it shou
3	Education Report	Recommendation	Recommendation 2	We recommend to the Government and the Fur
4	Education Report	Recommendation	Recommendation 3	We recommend that, with immediate effect, the
5	Education Report	Recommendation	Recommendation 4	We recommend that the Funding Bodies consi
6				
7				

"To Excel" button

The real table.

This column gives the description of the Word document to which each row belongs.

This column gives the type of each row.

"Table" worksheet

The real table contains a column for each property defined in the vocabulary.



## “To Word”

“To Word” updates a virtual table in Word from a real table in Excel.

# Sequence of steps



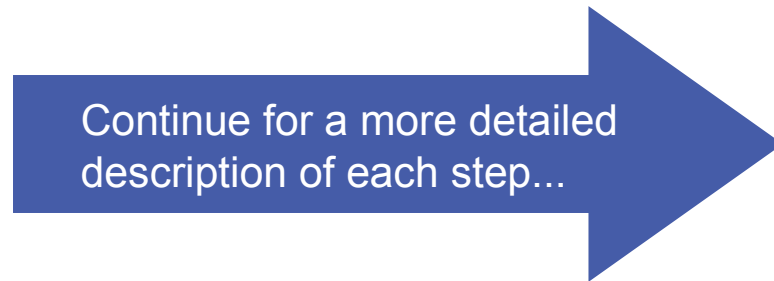
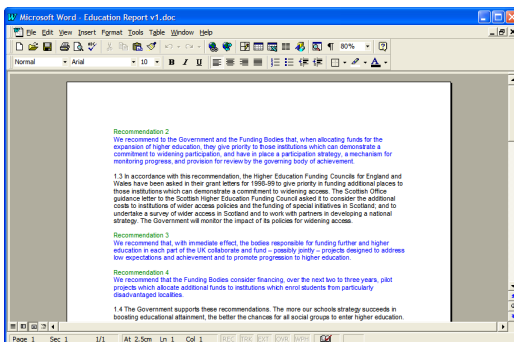
Populate table in Excel → Define markup vocabulary → Select marked up document(s)

Document Description	Type	Identifier	Text
Education Report	Recommendation	Recommendation 1	We recommend to the Government that it shou
Education Report	Recommendation	Recommendation 2	We recommend to the Government and the Fur
Education Report	Recommendation	Recommendation 3	We recommend that, with immediate effect, the
Education Report	Recommendation	Recommendation 4	We recommend that the Funding Bodies consi

Class	Opening Tag	Type	Closing Tag	Presentation
Object	[R]	Recommendation	[/R]	HSR
Property	[D]	Identifier	[/D]	BHSH
Property	[T]	Text	[/T]	BHSH

Document Description	Document File	Specification
Education Report	C:\Documents and Settings\USER1\My Documents\Education Report v1.doc	

Click “To Word”



# Populate table in Excel



Microsoft Excel - Education Report v1.xls

File Edit View Insert Format Tools Data Window Help

Documents To Excel To Word Value Trace Coverage About

	A	B	C	
1	Document Description	Type	Identifier	Text
2	Education Report	Recommendation	Recommendation 1	We recommend to the Government that it shou
3	Education Report	Recommendation	Recommendation 2	We recommend to the Government and the Fur
4	Education Report	Recommendation	Recommendation 3	We recommend that, with immediate effect, the
5	Education Report	Recommendation	Recommendation 4	We recommend that the Funding Bodies consi
6				
7				
8				
9				
10				

Vocabulary Documents Table Log

Ready NUM

Table worksheet

The Table worksheet may be populated from document(s) via "To Excel".

# Define markup vocabulary



	A	B	C	D	E	F	G	H	I
1	Class	Opening Tag	Type	Closing Tag	Presentation				
2	Object	[R]	Recommendation	[/R]	HSH				
3	Property	[ID]	Identifier	[/ID]	BHSH				
4	Property	[T]	Text	[/T]	BHSH				
5									
6									
7									
8									

Property value to be coloured green when writing to Word.

Property value to be coloured blue when writing to Word.

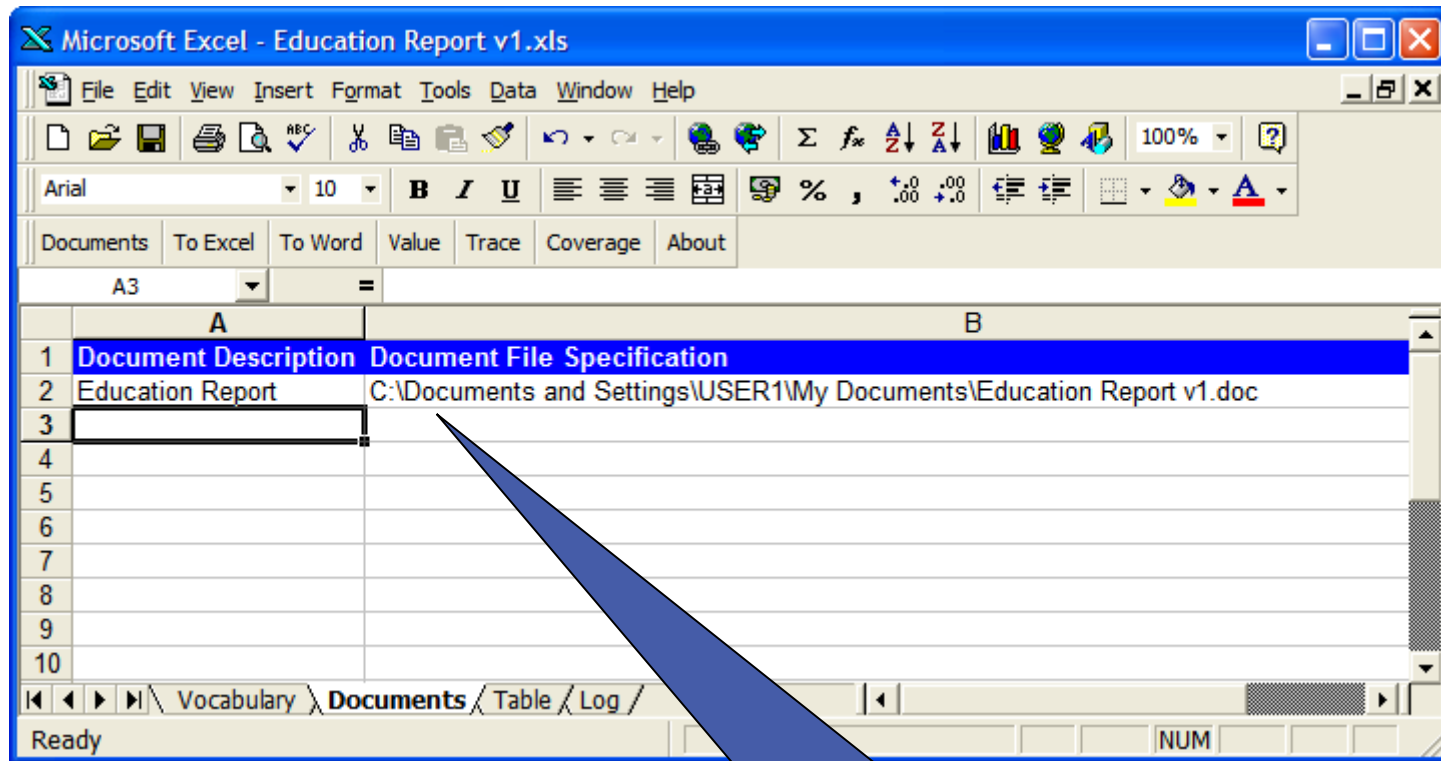
Prefix property with a blank space when writing to Word.

Opening tag to be hidden when writing to Word.

Closing tag to be hidden when writing to Word.

Property value to be shown when writing to Word.

# Select marked up document(s)



“To Word” will look for objects in the listed documents and update their properties, delete them or add new objects according to the contents of the “Table” worksheet.

# Click “To Word”



Microsoft Word - Education Report v1.doc

File Edit View Insert Format Tools Table Window Help

Normal Arial 10 B I U

Recommendation 2  
We recommend to the Government and the Funding Bodies that, when allocating funds for the expansion of higher education, they give priority to those institutions which can demonstrate a commitment to widening participation, and have in place a participation strategy, a mechanism for monitoring progress, and provision for review by the governing body of achievement.

1.3 In accordance with this recommendation, the Higher Education Funding Councils for England and Wales have been asked in their grant letters for 1998-99 to give priority in funding additional places to those institutions which can demonstrate a commitment to widening access. The Scottish Office guidance letter to the Scottish Higher Education Funding Council asked it to consider the additional costs to institutions of wider access policies and the funding of special initiatives in Scotland; and to undertake a survey of wider access in Scotland and to work with partners in developing a national strategy. The Government will monitor the impact of its policies for widening access.

Recommendation 3  
We recommend that, with immediate effect, the bodies responsible for funding further and higher education in each part of the UK collaborate and fund – possibly jointly – projects designed to address low expectations and achievement and to promote progression to higher education.

Recommendation 4  
We recommend that the Funding Bodies consider financing, over the next two to three years, pilot projects which allocate additional funds to institutions which enrol students from particularly disadvantaged localities.

1.4 The Government supports these recommendations. The more our schools strategy succeeds in boosting educational attainment, the better the chances for all social groups to enter higher education.

Page 1 Sec 1 1/1 At 2.5cm Ln 1 Col 1 REC TRK EXT OVR WPH

“To Word” applies the colour and hidden text formatting defined by the Vocabulary.

# Revealing hidden markup in Word



Microsoft Word - Education Report v1.doc

File Edit View Insert Format Tools Table Window Help

Normal Arial 10 B I U

80%

If you wish to see hidden markup you can set the appropriate option in Word.

[R][ID] Recommendation 2[/ID]  
[T]We recommend to the Government and the Funding Bodies that, when allocating funds for the expansion of higher education, they give priority to those institutions which can demonstrate a commitment to widening participation, and have in place a participation strategy, a mechanism for monitoring progress, and provision for review by the governing body of achievement.[/T][R]

1.3 In accordance with this recommendation, the Higher Education Funding Councils for England and Wales have been asked in their grant letters for 1998-99 to give priority in funding additional places to those institutions which can demonstrate a commitment to widening access. The Scottish Office guidance letter to the Scottish Higher Education Funding Council asked it to consider the additional costs to institutions of wider access policies and the funding of special initiatives in Scotland; and to undertake a survey of wider access in Scotland and to work with partners in developing a national strategy. The Government will monitor the impact of its policies for widening access.

[R][ID] Recommendation 3[/ID]  
[T]We recommend that, with immediate effect, the bodies responsible for funding further and higher education in each part of the UK collaborate and fund – possibly jointly – projects designed to address low expectations and achievement and to promote progression to higher education.[/T][R]

[R][ID] Recommendation 4[/ID]  
[T]We recommend that the Funding Bodies consider financing, over the next two to three years, pilot projects which allocate additional funds to institutions which enrol students from particularly disadvantaged localities.[/T][R]

1.4 The Government supports these recommendations. The more our schools strategy succeeds in boosting educational attainment, the better the chances for all social groups to enter higher education.

Page 1 Sec 1 1/1 At 2.5cm Ln 1 Col 1 REC TRK EXT OVR WPH





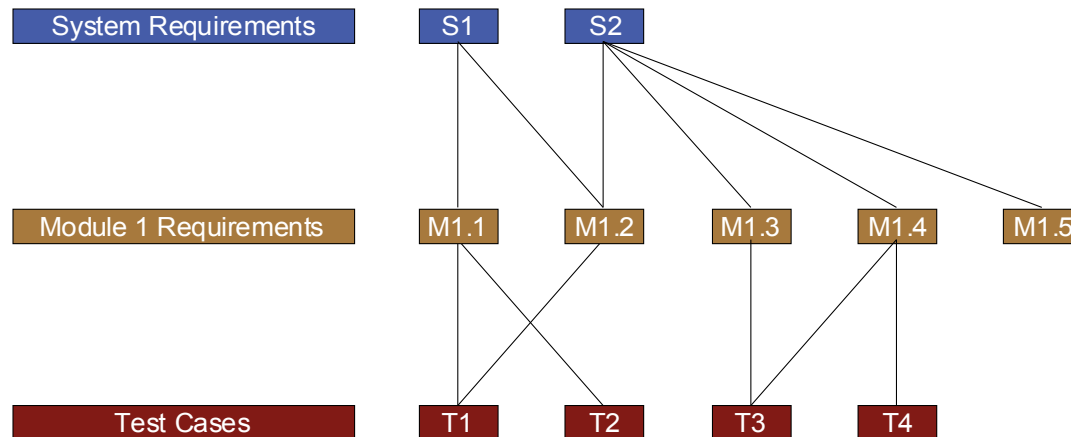
# “Trace”

“Trace” creates a traceability matrix.

# Scenario...



Scenario: you have a set of system requirements, module requirements and some test case; the system requirements are parents to the module requirements; the module requirements are parents to the test cases. The relationships are illustrated below.



# Sequence of steps

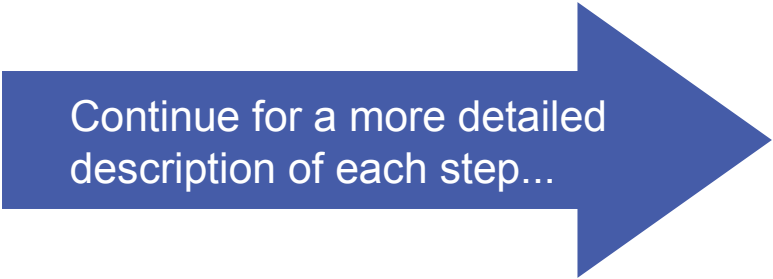


Populate the "Table" worksheet → Click "Trace" → Examine output worksheets

Document Description	Type	Identifier	Parents	Text
Requirements + Tests	System Requirement	S1		System Requirement 1
Requirements + Tests	System Requirement	S2		System Requirement 2
Requirements + Tests	Module Requirement	M1.1	S1	Module Requirement M1.1
Requirements + Tests	Module Requirement	M1.2	S1, S2	Module Requirement M1.2
Requirements + Tests	Module Requirement	M1.3	S2	Module Requirement M1.3
Requirements + Tests	Module Requirement	M1.4	S2	Module Requirement M1.4
Requirements + Tests	Module Requirement	M1.5	S2	Module Requirement M1.5
Requirements + Tests	Test Case	T1	M1.1, M1.2	Test Case 1
Requirements + Tests	Test Case	T2	M1.1	Test Case 2

Document Description	Type	Identifier	Parents	Text
Requirements + Tests	System Requirement	S1		System Requirement 1
Requirements + Tests	System Requirement	S2		System Requirement 2
Requirements + Tests	Module Requirement	M1.1	S1	Module Requirement M1.1
Requirements + Tests	Module Requirement	M1.2	S1, S2	Module Requirement M1.2
Requirements + Tests	Module Requirement	M1.3	S2	Module Requirement M1.3
Requirements + Tests	Module Requirement	M1.4	S2	Module Requirement M1.4
Requirements + Tests	Module Requirement	M1.5	S2	Module Requirement M1.5
Requirements + Tests	Test Case	T1	M1.1, M1.2	Test Case 1
Requirements + Tests	Test Case	T2	M1.1	Test Case 2

Root	Chains of Dependents >>>
S1	M1.1 T1
S1	M1.1 T2
S1	M1.2 T1
S2	M1.2 T1
S2	M1.3 T3
S2	M1.4 T3
S2	M1.4 T4
S2	M1.5
M1.1	T1



# Populate the “Table” worksheet

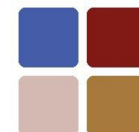


	A	B	C	D	E	F
1	Document Description	Type	Identifier	Parents	Text	
2	Requirements + Tests	System Requirement	S1		System Requirement 1	
3	Requirements + Tests	System Requirement	S2		System Requirement 2	
4	Requirements + Tests	Module Requirement	M1.1	S1	Module Requirement M1.1	
5	Requirements + Tests	Module Requirement	M1.2	S1, S2	Module Requirement M1.2	
6	Requirements + Tests	Module Requirement	M1.3	S2	Module Requirement M1.3	
7	Requirements + Tests	Module Requirement	M1.4	S2	Module Requirement M1.4	
8	Requirements + Tests	Module Requirement	M1.5	S2	Module Requirement M1.5	
9	Requirements + Tests	Test Case	T1	M1.1, M1.2	Test Case 1	
10	Requirements + Tests	Test Case	T2	M1.1	Test Case 2	

The Table worksheet may be populated from document(s) via “To Excel”.

Each object with a parent(s) must have a “Parents” property listing the identifier(s) of its parent(s).

# Click "Trace"



Microsoft Excel - Requirements + Tests v1.xls

File Edit View Insert Format Tools Data Window Help

Documents To Excel To Word Value Trace Coverage About

A1 = Document Description

	A	B	C	D	E	F
1	Document Description	Type	Identifier	Parents	Text	
2	Requirements + Tests	System Requirement	S1		System Requirement 1	
3	Requirements + Tests	System Requirement	S2		System Requirement 2	
4	Requirements + Tests	Module Requirement	M1.1	S1	Module Requirement M1.1	
5	Requirements + Tests	Module Requirement	M1.2	S1, S2	Module Requirement M1.2	
6	Requirements + Tests	Module Requirement	M1.3	S2	Module Requirement M1.3	
7	Requirements + Tests	Module Requirement	M1.4	S2	Module Requirement M1.4	
8	Requirements + Tests	Module Requirement	M1.5	S2	Module Requirement M1.5	
9	Requirements + Tests	Test Case	T1	M1.1, M1.2	Test Case 1	
10	Requirements + Tests	Test Case	T2	M1.1	Test Case 2	

Ready

Table Log All Precedents Chains of Precedents All Dependents Chains of Dependents

NUM

Trace creates worksheets listing the precedents of each Identifier.

Trace creates worksheets listing the dependents of each Identifier.

# Examine output worksheets



“All Precedents” worksheet

	A	B	C	D	E	F	G	H	I	J	
1	Root	All Precedents >>>									
2	S1										
3	S2										
4	M1.1	S1									
5	M1.2	S1	S2								
6	M1.3	S2									
7	M1.4	S2									
8	M1.5	S2									
9	T1	M1.1	M1.2	S1	S2						
10	T2	M1.1	S1								

“Chains of Precedents” worksheet

	A	B	C	D	E	F	G	H	I	J	
1	Root	Chains of Precedents >>>									
2	S1										
3	S2										
4	M1.1	S1									
5	M1.2	S1									
6	M1.3	S2									
7	M1.4	S2									
8	M1.5	S2									
9	T1	M1.1	S1								

	A	B	C	D	E	F	G	H	I	J	
1	Root	All Dependents >>>									
2	S1	M1.1	M1.2	T1	T2						
3	S2	M1.2	M1.3	M1.4	M1.5	T1	T3	T4			
4	M1.1	T1	T2								
5	M1.2	T1									
6	M1.3	T3									
7	M1.4	T3	T4								
8	M1.5										
9	T1										
10	T2										

	A	B	C	D	E	F	G	H	I	J	
1	Root	Chains of Dependents >>>									
2	S1	M1.1	T1								
3	S1	M1.1	T2								
4	S1	M1.2	T1								
5	S2	M1.2	T1								
6	S2	M1.3	T3								
7	S2	M1.4	T3								
8	S2	M1.4	T4								
9	S2	M1.5									
10	M1.1	T1									

“All Dependents” worksheet

“Chains of Dependents” worksheet



# Coverage

“Coverage” calculates coverage (for example, of requirements by test cases or of findings by actions).

# Sequence of steps



Define the relationship  
between objects



Populate the “Table”  
worksheet

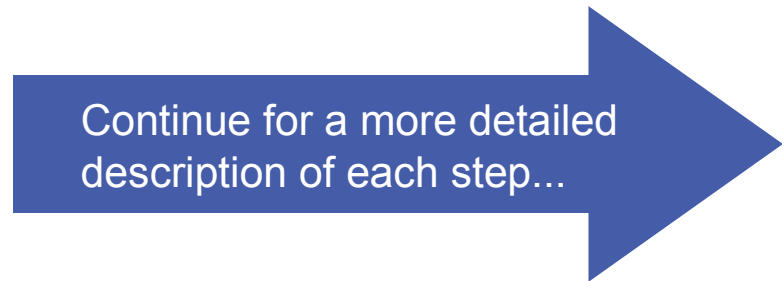


Click the “Coverage”  
button on the WTML  
toolbar. Examine the “Log”  
worksheet.

Class	Opening Tag	Type	Closing Tag	Presentation	Relationship	Relationship
Object	[SR]	System Requirement	[/SR]	SSH	Parent	
Object	[MR]	Module Requirement	[/MR]	SSH	Child	Parent
Object	[TC]	Test Case	[/TC]	SSH		Child
Property	[ID]	Identifier	[/ID]	BHSH		
Property	[P]	Parents	[/P]	BHSH		
Property	[T]	Text	[/T]	BHSH		

Document Description	Type	Identifier	Parents	Text
Requirements + Tests	System Requirement	S1		System Requirement 1
Requirements + Tests	System Requirement	S2		System Requirement 2
Requirements + Tests	Module Requirement	M1.1	S1	Module Requirement M1.1
Requirements + Tests	Module Requirement	M1.2	S1, S2	Module Requirement M1.2
Requirements + Tests	Module Requirement	M1.3	S2	Module Requirement M1.3
Requirements + Tests	Module Requirement	M1.4	S2	Module Requirement M1.4
Requirements + Tests	Module Requirement	M1.5	S2	Module Requirement M1.5
Requirements + Tests	Test Case	T1	M1.1, M1.2	Test Case 1
Requirements + Tests	Test Case	T2	M1.1	Test Case 2

Date/Time	Description	Coverage
13-Mar-10, 07:10:32	[START] Calculating Coverage.	
13-Mar-10, 07:10:32	Calculating coverage of 'System Requirement' by 'Module Requirement'.	Covered
13-Mar-10, 07:10:32	S1	Covered.
13-Mar-10, 07:10:32	S2	Covered.
13-Mar-10, 07:10:32	Coverage = 100% (2 out of 2 Identifiers).	
13-Mar-10, 07:10:32	Calculating coverage of 'Module Requirement' by 'Test Case'.	
13-Mar-10, 07:10:32	M1.1	Covered.
13-Mar-10, 07:10:32	M1.2	Covered.
13-Mar-10, 07:10:32	M1.3	Covered.
13-Mar-10, 07:10:32	M1.4	Covered.
13-Mar-10, 07:10:32	M1.5	Not covered.





# Define the relationship between objects



The user wishes to check if:

- Every system requirement is covered by a module requirement.
- Every module requirement is covered by a test case.

1	Class	Opening Tag	Type	Closing Tag	Presentation	Relationship	Relationship
2	Object	[SR]	System Requirement	[/SR]	SSH	Parent	
3	Object	[MR]	Module Requirement	[/MR]	SSH	Child	Parent
4	Object	[TC]	Test Case	[/TC]	SSH		Child
5	Property	[ID]	Identifier	[/ID]	BHSH		
6	Property	[P]	Parents	[/P]	BHSH		
7	Property	[T]	Text	[/T]	BHSH		
8							
9							
10							

“System Requirement” is parent to “Module Requirement”.

“Module Requirement” is parent to “Test Case”.

# Populate the “Table” worksheet



Microsoft Excel - Requirements + Tests v1.xls

File Edit View Insert Format Tools Data Window Help

Documents To Excel To Word Value Trace Coverage About

A1 = Document Description

	A	B	C	D	E	F
1	Document Description	Type	Identifier	Parents	Text	
2	Requirements + Tests	System Requirement	S1		System Requirement 1	
3	Requirements + Tests	System Requirement	S2		System Requirement 2	
4	Requirements + Tests	Module Requirement	M1.1	S1	Module Requirement M1.1	
5	Requirements + Tests	Module Requirement	M1.2	S1, S2	Module Requirement M1.2	
6	Requirements + Tests	Module Requirement	M1.3	S2	Module Requirement M1.3	
7	Requirements + Tests	Module Requirement	M1.4	S2	Module Requirement M1.4	
8	Requirements + Tests	Module Requirement	M1.5	S2	Module Requirement M1.5	
9	Requirements + Tests	Test Case	T1	M1.1, M1.2	Test Case 1	
10	Requirements + Tests	Test Case	T2	M1.1	Test Case 2	

Vocabulary Documents Table Log

Ready NUM

# Click “Coverage”.

## Examine the “Log” worksheet.



	A	B
18	13-Mar-10, 07:10:32	[START] Calculating Coverage.
19	13-Mar-10, 07:10:32	Calculating coverage of 'System Requirement' by 'Module Requirement'.
20	13-Mar-10, 07:10:32	S1 Covered.
21	13-Mar-10, 07:10:32	S2 Covered.
22	13-Mar-10, 07:10:32	Coverage = 100% (2 out of 2 Identifiers).
23		
24	13-Mar-10, 07:10:32	Calculating coverage of 'Module Requirement' by 'Test Case'.
25	13-Mar-10, 07:10:32	M1.1 Covered.
26	13-Mar-10, 07:10:32	M1.2 Covered.
27	13-Mar-10, 07:10:32	M1.3 Covered.
28	13-Mar-10, 07:10:32	M1.4 Covered.
29	13-Mar-10, 07:10:32	M1.5 Not covered.
30	13-Mar-10, 07:10:32	Coverage = 80% (4 out of 5 Identifiers).
31	13-Mar-10, 07:10:32	[END] Calculating Coverage. Warnings = 0, Failures = 0.

“Coverage” first calculates coverage of the “System Requirement” objects by the “Module Requirement” objects.

“Coverage” next calculates coverage of the “Module Requirement” objects by the “Test Case” objects.

Each object is marked as “Covered or Not Covered”.

Log worksheet

The percentage coverage is reported.



# “Value”

“Value” displays the properties of an object.

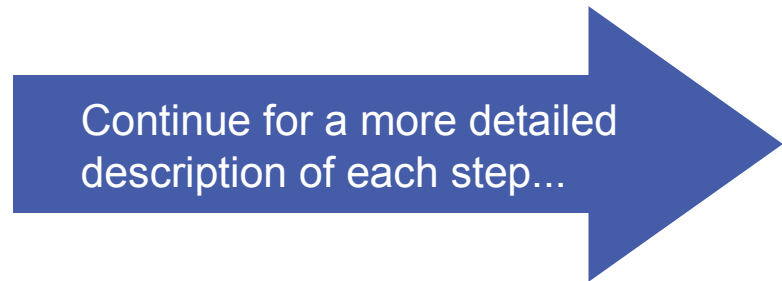
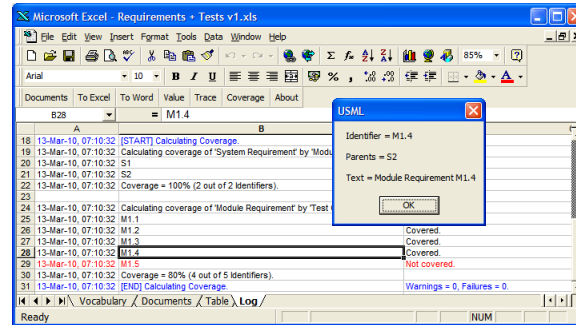
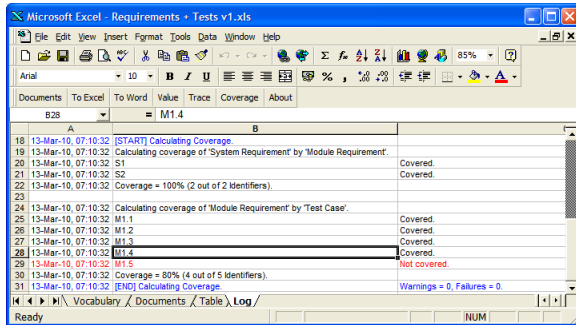
# Sequence of steps



Select an identifier



Click "Value".  
Examine the dialog box.



# Select an identifier



Microsoft Excel - Requirements + Tests v1.xls

File Edit View Insert Format Tools Data Window Help

Documents To Excel To Word Value Trace Coverage About

	A	B
18	13-Mar-10, 07:10:32	[START] Calculating Coverage.
19	13-Mar-10, 07:10:32	Calculating coverage of 'System Requirement' by 'Module Requirement'.
20	13-Mar-10, 07:10:32	S1 Covered.
21	13-Mar-10, 07:10:32	S2 Covered.
22	13-Mar-10, 07:10:32	Coverage = 100% (2 out of 2 Identifiers).
23		
24	13-Mar-10, 07:10:32	Calculating coverage of 'Module Requirement' by 'Test Case'.
25	13-Mar-10, 07:10:32	M1.1 Covered.
26	13-Mar-10, 07:10:32	M1.2 Covered.
27	13-Mar-10, 07:10:32	M1.3 Covered.
28	13-Mar-10, 07:10:32	M1.4 Covered.
29	13-Mar-10, 07:10:32	M1.5 Not covered.
30	13-Mar-10, 07:10:32	Coverage = 80% (4 out of 5 Identifiers).
31	13-Mar-10, 07:10:32	[END] Calculating Coverage. Warnings = 0, Failures = 0.

Vocabulary Documents Table Log

Ready NUM

Any cell (on any worksheet) containing an identifier may be selected.

# Click “Value”. Examine the dialog box.



The screenshot shows the Microsoft Excel interface with a spreadsheet titled 'Requirements + Tests v1.xls'. A 'Value' dialog box is open, displaying the following information:

- Identifier = M1.4
- Parents = S2
- Text = Module Requirement M1.4

The dialog box has an 'OK' button. The spreadsheet background shows a table with columns for time, identifier, and status. The status for M1.4 is 'Covered'.

	A		
18	13-Mar-10, 07:10:32	[START] Calculating Coverage.	
19	13-Mar-10, 07:10:32	Calculating coverage of 'System Req	
20	13-Mar-10, 07:10:32	S1	covered.
21	13-Mar-10, 07:10:32	S2	covered.
22	13-Mar-10, 07:10:32	Coverage = 100% (2 out of 2 Identifi	
23			
24	13-Mar-10, 07:10:32	Calculating coverage of 'Module Req	
25	13-Mar-10, 07:10:32	M1.1	Covered.
26	13-Mar-10, 07:10:32	M1.2	Covered.
27	13-Mar-10, 07:10:32	M1.3	Covered.
28	13-Mar-10, 07:10:32	M1.4	Covered.
29	13-Mar-10, 07:10:32	M1.5	Not covered.
30	13-Mar-10, 07:10:32	Coverage = 80% (4 out of 5 Identifiers).	
31	13-Mar-10, 07:10:32	[END] Calculating Coverage.	Warnings = 0, Failures = 0.

“Value” displays all the properties of the object.



# Part 2: Applications

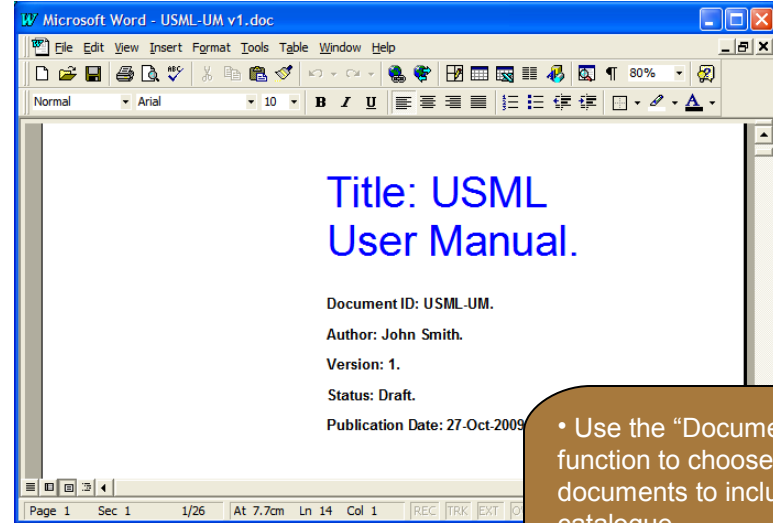
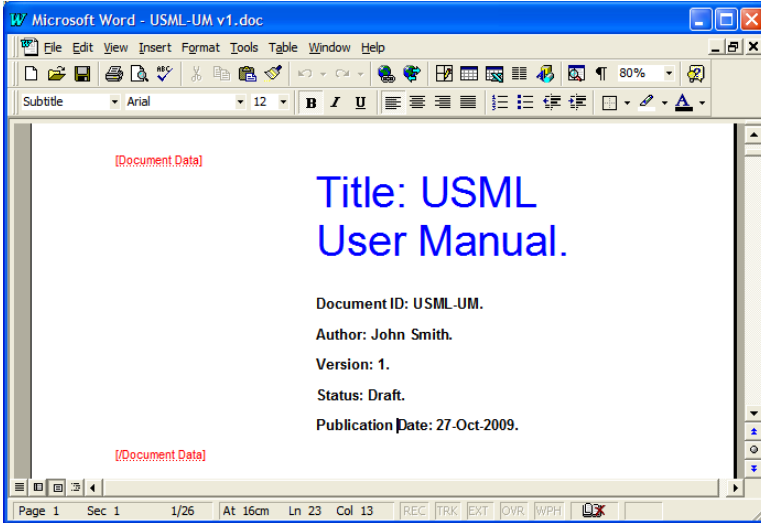


# Creating a document catalogue

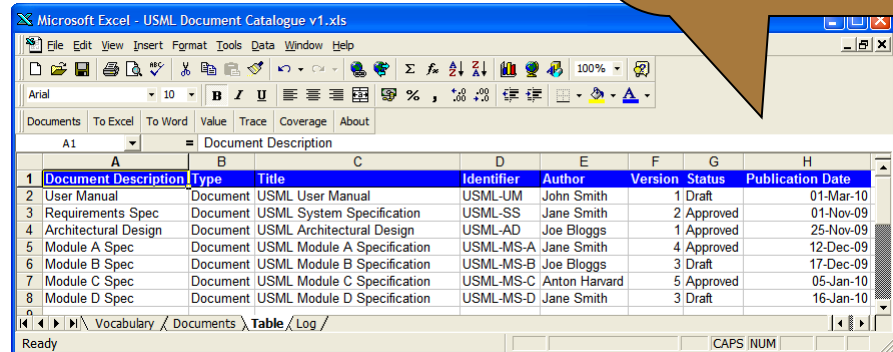
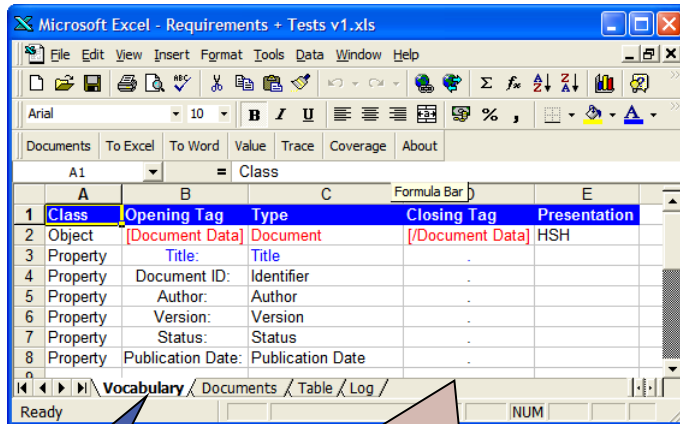


Marked up document (Word options set to show hidden text)

Marked up document (Word options set to hide hidden text)



• Use the “Documents” function to choose the documents to include in the catalogue.  
 • Click “To Excel” to create the catalogue.



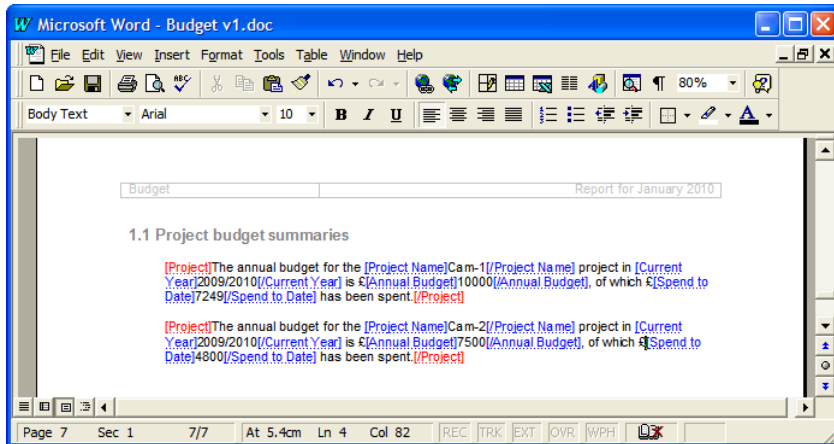
Define vocabulary.

A full-stop is used as the closing tag.

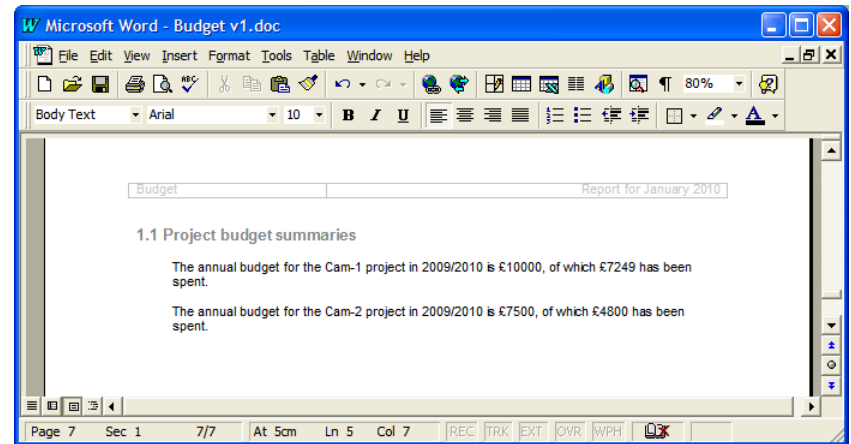


# Exchanging budget figures between Word and Excel

Marked up document (Word options set to show hidden text)



Marked up document (Word options set to hide hidden text)



Class	Opening Tag	Type	Closing Tag	Presentation
Object	[Project]	Project	[/Project]	SHS
Property	[Project Name]	Identifier	[/Project Name]	BHSH
Property	[Current Year]	Current Year	[/Current Year]	BHSH
Property	[Annual Budget]	Annual Budget	[/Annual Budget]	SHS
Property	[Spend to Date]	Spend to Date	[/Spend to Date]	SHS

Document Description	Type	Identifier	Current Year	Annual Budget	Spend to Date
Budget v1.doc	Project	Cam-1	2009/2010	10000	7249
Budget v1.doc	Project	Cam-2	2009/2010	7500	2514