

From information model to DITA project structure

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 @thinkDITA

Content creation and review

Start with a skeleton project
Set up the profiling
Edit maps, keymaps and topics

Content publishing

Set up publishing scenarios
Publish and proof deliverables

model2project

Start a DITA project
from the information model

Research and model

Requirements
Materials
Deliverables

Project initiation

Initiation
Workload and schedule
Project plan
Connect to target

Content updates

Check the information model
Check the profiling
Update maps and topics
Update publishing scenarios
Publish and proof deliverables

Project initiation

Project team

Objectives and stakeholders

Project plan

Communication plan



Research and model

Target group

Main tasks

Deliverables



Content creation and review

Start with a skeleton project

Set up the profiling

Edit maps, keymaps and topics



Content publishing



Set up publishing scenarios

Publish and proof deliverables

Content updates



Check the information model

Check the profiling

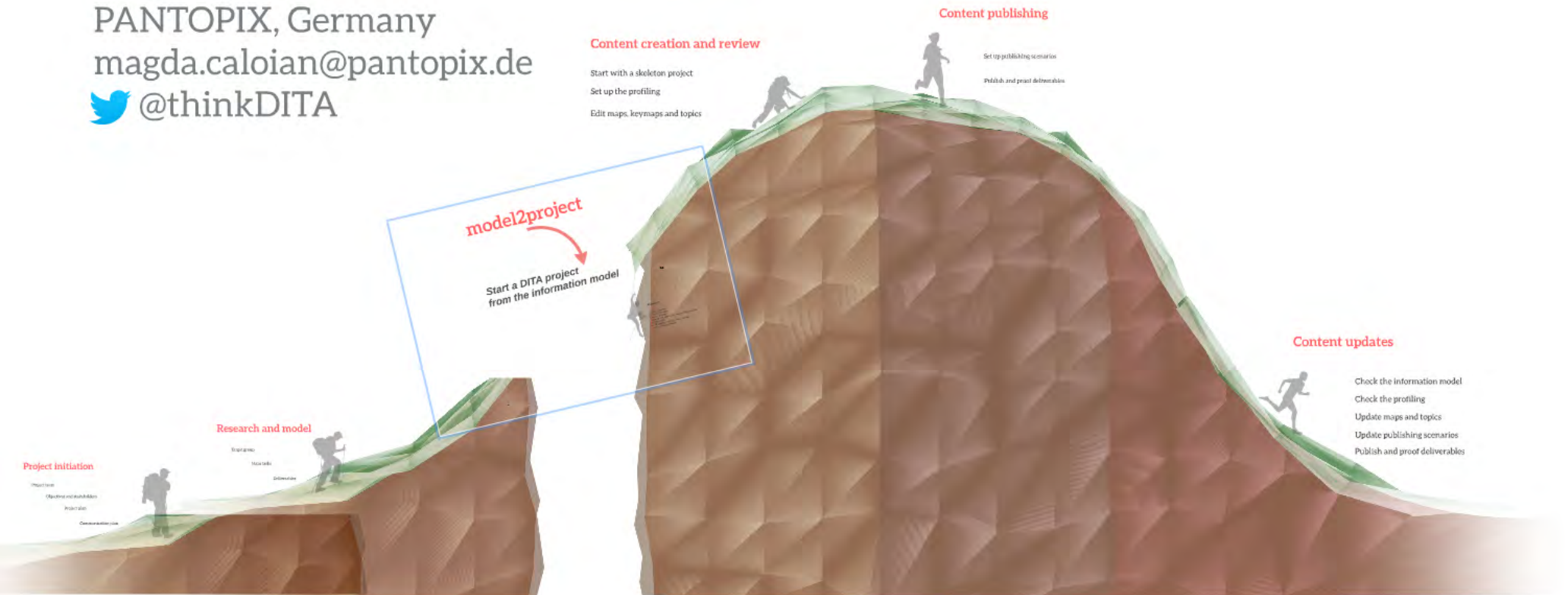
Update maps and topics

Update publishing scenarios

Publish and proof deliverables

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Research and model

Target group

Main tasks

Deliverables



Target audience



- Create ad hoc personas
- Process data
- Identify & create skeletons
- Evaluate & prioritize skeletons
- Develop skeletons into personas
- Validate the personas

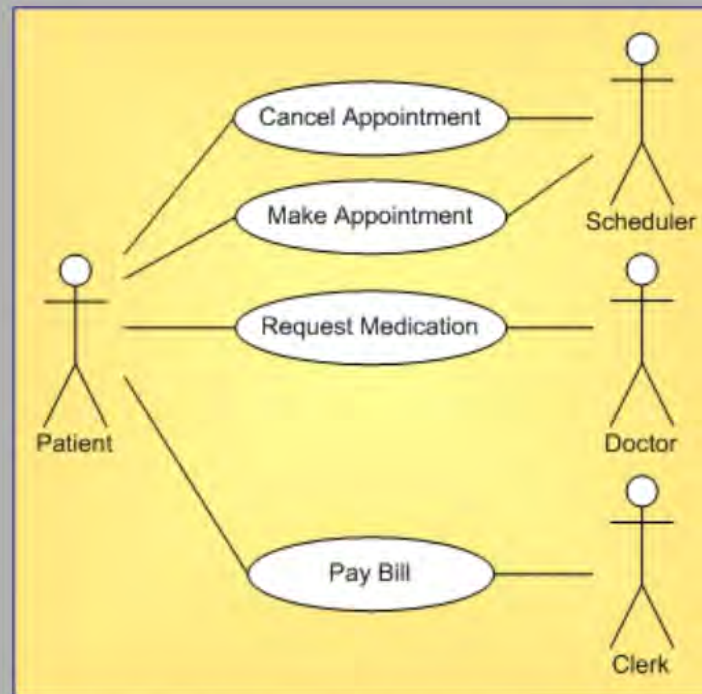
Persona creation process



The Essential Persona Lifecycle, T. Adlin and John Pruitt, 2010, MK

Intended use of product

Use
cases



source: http://docs.embarcadero.com/products/rad_studio/delphiAndcpp2009/HelpUpdate2/EN/html/devcommon/uml15usecasediagramdefinitionexample_xml.html

Task analysis

who-
does-
what
matrix

User operation	Role	Browser	Editor	Reviewer	Admin
Browse SNOMED CT					
Search SNOMED CT					
View concept details					
Create concept (on MAIN)					
Create concept (on branch)					
Edit concept details (on MAIN)					
Edit concept details (on branch)					
Delete/inactivate concept (on MAIN)					
Delete/inactivate concept (on branch)					
View reference set					
Create reference set (on MAIN)					
Create reference set (on branch)					
Edit reference set (on MAIN)					
Edit reference set (on branch)					
Delete/inactivate reference set (on MAIN)					
Delete/inactivate reference set (on branch)					
View value domain					
Create value domain (on MAIN)					
Create value domain (on branch)					
Edit value domain (on MAIN)					
Edit value domain (on branch)					
Delete/inactivate value domain (on MAIN)					
Delete/inactivate value domain (on branch)					
View Local Code Set and Codes					
Create Local Code Set and Codes (on MAIN)					
Create Local Code Set and Codes (on branch)					
Edit Local Code Set and Codes (on MAIN)					
Edit Local Code Set and Codes (on branch)					
Delete Local Code Set and Codes (on MAIN)					
Delete Local Code Set and Codes (on branch)					
EXTEND CT version to SW 2					
Specify effective dates after import (on MAIN)					
Specify effective dates after import (on branch)					
Generate ontology (on MAIN)					
Generate ontology (on branch)					
LOINC Import					
ATC Import					
EB-10 Import					
Local Code System Excel Import					
JMIS Value Set SUSXSL Import					
Value Domain Excel Import					
RDD medication source data Import					
RDD medication source data Export					
ATC Export					
Local Code System Excel Export					
Value Domain Excel Export					
SNOMED CT reference set reports to RFI and RFI2					
SNOMED CT reference set reports to TSV					

source: <http://b2i.sg/help/index.jsp>

User operation	Role	Browser	Editor	Reviewer	Admin
Browse SNOMED CT					
Search SNOMED CT					
View concept details					
Create concept [on MAIN]					
Create concept [on branch]					
Edit concept details [on MAIN]					
Edit concept details [on Branch]					
Delete/Inactivate concept [on MAIN]					
Delete/Inactivate concept [on branch]					
View reference set					
Create reference set [on MAIN]					
Creare reference set [on branch]					
Edit reference set [on MAIN]					
Edit reference set [on branch]					
Delete/Inactivate reference set [on MAIN]					
Delete/Inactivate reference set [on branch]					
View value domain					
Create value domain [on MAIN]					
Create value domain [on branch]					
Edit value domain [on MAIN]					
Edit value domain [on branch]					
Delete/inactivate value domain [on MAIN]					
Delete/inactivate value domain [on branch]					
View Local Code Set and Codes					
Create Local Code Set and Codes [on MAIN]					
Create Local Code Set and Codes [on branch]					
Edit Local Code Set and Codes [on MAIN]					
Edit Local Code Set and Codes [on branch]					

Variants & deliverables

Informationsbedarfsmatrix Beispiel: Technische Dokumentation für Kettsägen

WAS? Welche Infos?	WER? Welche Zielgruppen? Welche Adressaten?						Welche Informationsmittel?
	Private Benutzer	Fachinhaber	Wartungspersonal	Verkaufsinstrument	Zulieferorganisation	Serviceanbieter	
Bestellen		M			M		Projekt mit technischen Daten und Preisen
Bestellen	M					M	
Transportieren	K	M	M	K		K	Transportzeit
In Betrieb setzen	M	M	M	K	M	M	Betriebsanleitung
Bediener	M	M	M	M	M	M	
Wartung	M	K	K	K		M	
Warten							
Überprüfen							
Lagern							
Defekt beheben							
Ursache Reklamieren	M					M	
Reparieren							
Reparieren			M			M	Reparaturanleitung
Reparieren			M			M	

Dreifache Einstufung der Informationen:

M = „Muss“-Informationen K = „Kann“-Informationen DN = „Dart-Nicht“-Informationen = Informationsausschluss

source: <http://ps.informatik.uni-tuebingen.de/industryproject/students/kaepfergroup/TeaG/teasamatrix/>

Version 1.0 (2011)

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Informationsbedarfsmatrix

Beispiel: Technische Dokumentation für Kettensägen

WAS? Welche Infos?	WER? Welche Zielgruppen? Welche Adressaten?						Welche Informationsmittel?
	Private Benutzer	Fachhändler	Wartungspersonal	Verkäufer im Baumarkt	Zulassungsstellen	Profi-Holzfäller	
Beraten		M		M			Prospekt mit technischen Daten und Preisen
Kaufen	M					M	
Transportieren	K	M	M	K		K	Transportzettel
In Betrieb nehmen	M	M	M	K	M	M	Betriebsanleitung
Sägen	M	M	M	M	M	M	
Bäume fällen	M	K	K	K	...	M	
Warten	...	...	...	...	...	...
Reinigen	...	...	...	...	...	...
Lagern	...	...	...	...	...	...
Fehler beheben	...	...	...	...	...	...
Leichte Reparaturen durchführen	M	...	...	...	...	M
Reparieren	DN		M			M	Reparaturanleitung
Entsorgen			M			M	

Dreifache Einstufung der Informationen:

M = „Muss“-Informationen K = „Kann“-Informationen DN = „Darf-Nicht“-Informationen = Informationsausschluss

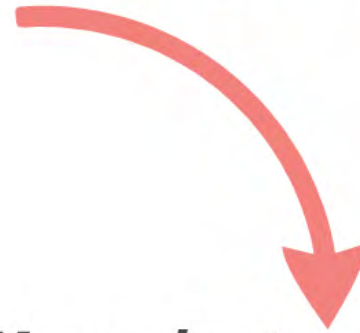
source: <http://ps.informatik.uni-tuebingen.de/industryproject/students/targetgroup/Taetigkeitsanalyse/>

Version vom 14.03.11

Urheberrechtsregelung nach Creative Commons (<http://creativecommons.org/>):



model2project



*Start a DITA project
from the information model*





```
1 Planning your projects with Trello
2     Keeping to-do lists
3     Agile boards
4     Brainstorming
5     Voting
6     Writing drafts
7 Starting a Trello board
8     Creating an user account
9     Creating a personal organization
10    Creating a business organization
11    Creating a board
12    Inviting participants
13 Collaborating on the board
14    Creating lists on the board
15    Creating cards on the board
16    Assigning members to cards
17    Setting due dates
     Setting labels
     Prioritizing by voting on cards
```




XPath 2.0 Execute XPath on 'Current DITA map hierarchy'

Project trello.xpr

trello.xpr

trello.xpr

en

ditavals

keymaps

source

_glossary

_img

_warehouse

cards

collab

export

handle

monitor

c_ov_trello.xml

r_examples-of-boards.xml

r_shortcuts-and-tips.xml

t_agile-boards.xml

t_brainstorming.xml

t_creating-a-board.xml

t_creating-a-business-organization.xml

t_creating-a-personal-organization.xml

t_creating-an-user-account.xml

t_inviting-participants.xml

t_keeping-to-do-lists.xml

t_ov_starting-a-trello-board.xml

t_voting.xml

t_writing-drafts.xml

trello-proj.ditamap

trello-proj.ditamap x

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE map PUBLIC "-//OASIS//DTD DITA Map//EN" "map.dtd">
3 <map xml:lang="en-US">
4     <title>Collaborating online in Trello</title>
5     <!-- sample DITA project -->
6     <!-- ditamap with topicrefs, maprefs, reltable, warehouse and conrefs, keys and keymaps -->
7     <topicmeta>
8         <author>@thinkDITA</author>
9         <publisher>PANTOPIX GmbH & Co. KG</publisher>
10        <copyright>
11            <copyyear year="{date(YYYY)}"/>
12            <copyholder>PANTOPIX GmbH & Co. KG</copyholder>
13        </copyright>
14    </topicmeta>
15
16    <!-- ##### KEYS & RESOURCES ##### -->
17    <topicref keys="r_warehouse" href="source/_warehouse/r_warehouse.xml" format="dita" type="resource">
18        <mapref href="keymaps/keymap-trello-vars.ditamap" format="ditamap" type="map" processing="map">
19            <mapref href="keymaps/keymap-trello-GUI.ditamap" format="ditamap" type="map" processing="map">
20                <mapref href="source/_glossary/glossmap.ditamap" format="ditamap" type="map" processing="map">
21                    <mapref href="source/_img/_img-keymap.ditamap" format="ditamap" type="map" processing="map">
22
23
24
25    <!-- ##### CONTENTS ##### -->
26    <!-- first two chapters do not use submaps, nor keys, for test purposes -->
27    <topicref href="source/c_ov_trello.xml" navtitle="Planning your projects with Trello" format="dita" type="table-of-contents">
28        <topicref href="source/t_keeping-to-do-lists.xml" navtitle="Keeping to-do lists" format="dita" type="table-of-contents">
29            <topicref href="source/t_agile-boards.xml" navtitle="Agile boards" format="dita" type="table-of-contents">
30                <topicref href="source/t_brainstorming.xml" navtitle="Brainstorming" format="dita" type="table-of-contents">
31                    <topicref href="source/t_voting.xml" navtitle="Voting" format="dita" type="table-of-contents">
32                        <topicref href="source/t_writing-drafts.xml" navtitle="Writing drafts" format="dita" type="table-of-contents">
33
34    </topicref>
35    <topicref href="source/t_ov_starting-a-trello-board.xml" navtitle="Starting a Trello board" format="dita" type="table-of-contents">
36        <topicref href="source/t_creating-an-user-account.xml" navtitle="Creating an user account" format="dita" type="table-of-contents">
37            <topicref href="source/t_creating-a-personal-organization.xml" navtitle="Creating a personal organization" format="dita" type="table-of-contents">
38                <topicref href="source/t_creating-a-business-organization.xml" navtitle="Creating a business organization" format="dita" type="table-of-contents">
39                    <topicref href="source/t_creating-a-board.xml" navtitle="Creating a board" format="dita" type="table-of-contents">
40                        <topicref href="source/t_inviting-participants.xml" navtitle="Inviting participants" format="dita" type="table-of-contents">
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```

model2project

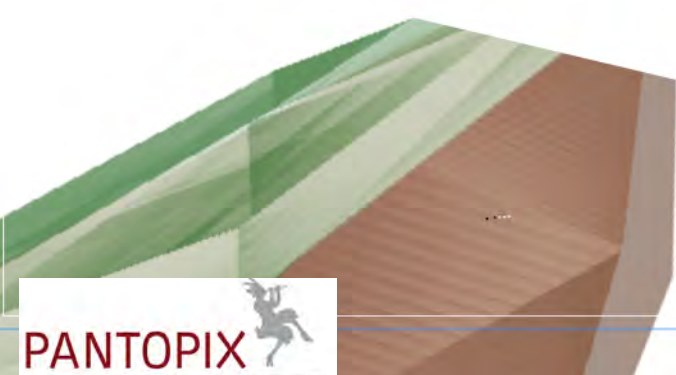


*Start a DITA project
from the information model*



Manually

1. create project file
2. add source folder
3. create ditamap
4. add topicref elements & @navtitle from outline
5. create topics
6. add @href to topicref elements in map
7. define keys in keymaps





Manually

1. create project file
2. add source folder
3. create ditamap
4. add topicref elements & @navtitle from outline
5. create topics
6. add @href to topicref elements in map
7. define keys in keymaps

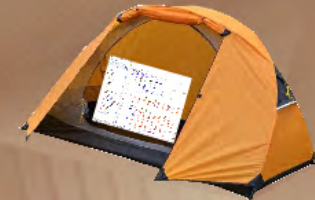
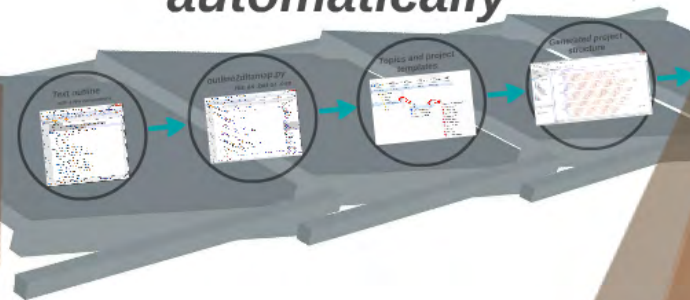


Start a DITA project from the information model

manually
or
automatically

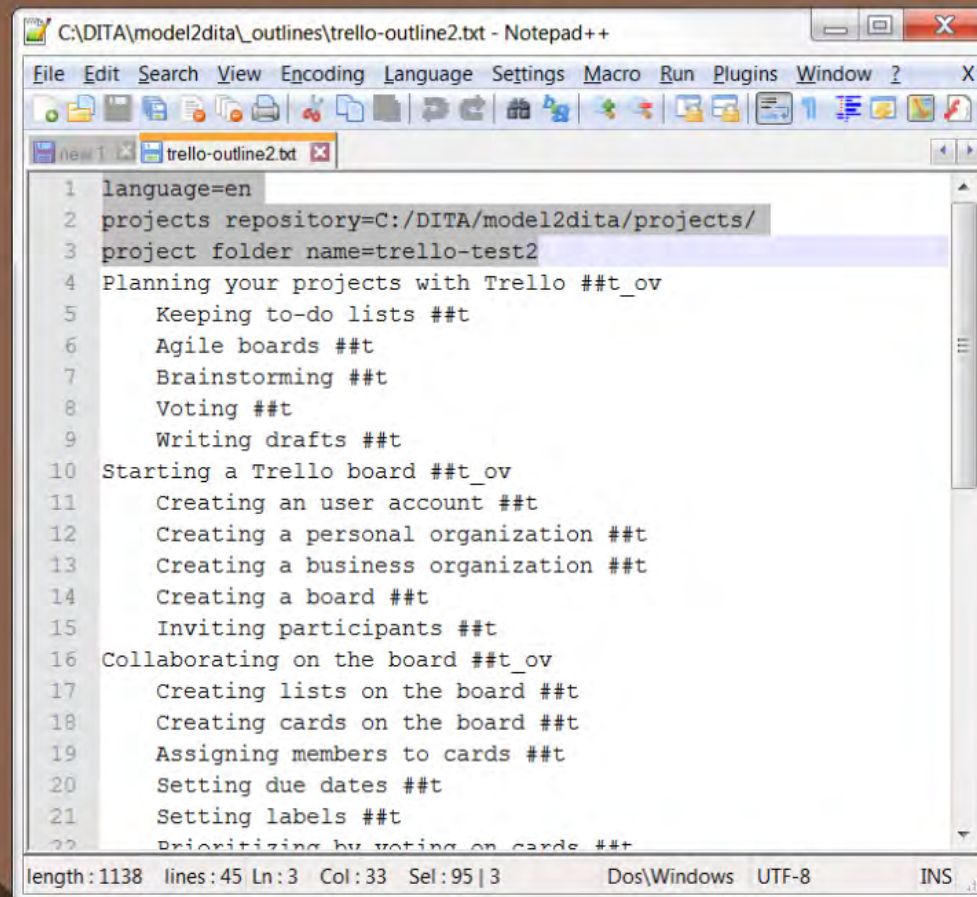
Manually

1. create project file
2. add source folder
3. create ditamap
4. add topicref elements & @navtitle from outline
5. create topics
6. add @href to topicref elements in map
7. define keys in keymaps



Text outline

with a few conventions



```
C:\DITA\model2dita_outlines\trello-outline2.txt - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window 2 X
new 1 trello-outline2.txt
1 language=en
2 projects repository=C:/DITA/model2dita/projects/
3 project folder name=trello-test2
4 Planning your projects with Trello ##t_ov
5     Keeping to-do lists ##t
6     Agile boards ##t
7     Brainstorming ##t
8     Voting ##t
9     Writing drafts ##t
10 Starting a Trello board ##t_ov
11     Creating an user account ##t
12     Creating a personal organization ##t
13     Creating a business organization ##t
14     Creating a board ##t
15     Inviting participants ##t
16 Collaborating on the board ##t_ov
17     Creating lists on the board ##t
18     Creating cards on the board ##t
19     Assigning members to cards ##t
20     Setting due dates ##t
21     Setting labels ##t
22     Prioritizing by voting on cards ##t
length: 1138 lines: 45 Ln: 3 Col: 33 Sel: 95 | 3 Dos\Windows UTF-8 INS
```





```
1 language=en
2 projects repository=C:/DITA/model2dita/projects/
3 project folder name=trello-test2
4 Planning your projects with Trello ##t_ov
5     Keeping to-do lists ##t
6     Agile boards ##t
7     Brainstorming ##t
8     Voting ##t
9     Writing drafts ##t
10 Starting a Trello board ##t_ov
11     Creating an user account ##t
12     Creating a personal organization ##t
13     Creating a business organization ##t
14     Creating a board ##t
15     Inviting participants ##t
16 Collaborating on the board ##t_ov
17     Creating lists on the board ##t
18     Creating cards on the board ##t
19     Assigning members to cards ##t
20     Setting due dates ##t
21     Setting labels ##t
22     Prioritizing by voting on cards ##t
```

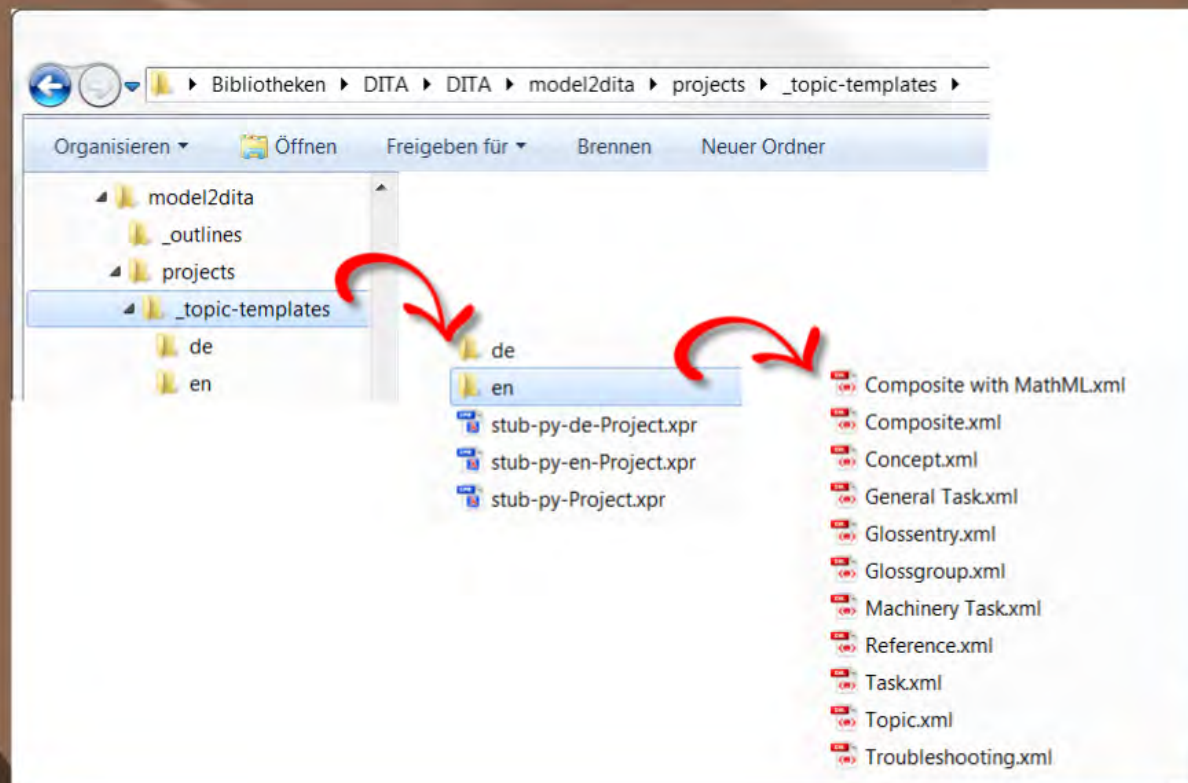

outline2ditamap.py

run as .bat or .exe

```
outline2ditamap.py (C:\DITA\model2dita_outlines) - Komodo Edit 8.5
File Edit Code Navigation View Project Tools Help
Find ... In current file
outline2ditamap.py x
87 #OPEN AND PROCESS THE TXT LINES:|
88 txt_file=open(txt_filepath,'r',encoding='UTF-8')
89 lines=txt_file.readlines()
90 #["General ##c ov\n", "\tInformation about the manual ##c ov\n", "\t\tScope ##c\n
91 line_pairs=[]
92 for line in lines:
93     if 'language=' in line:
94         lang=line.split('=')[1].strip()
95         print("Language: ",lang)
96         if lang=='en':
97             xml_lang='en-US'
98         elif lang=='de':
99             xml_lang='de-DE'
100     elif 'projects repository' in line:
101         proj_homedir=line.split('=')[1].strip()
102         print("Projects repository: ",proj_homedir)
103     elif 'project folder name' in line:
104         proj_name=line.split('=')[1].strip()
105         print("Project name: ",proj_name)
106     elif '##' in line:
107         line_level=line.count('\t')
108         line_text_type=line.strip()
109         line_text_pair=line_text_type.split('##')
110         text=line_text_pair[0].strip().replace('\uffeff', '')
111         topic_type=line_text_pair[1]
112         line_pair=[line_level,text,topic_type]
113         #[4, 'Show balance', 'c']
114         line_pairs.append(line_pair)
115     else:
116         print('\tMake sure the ##type is specified for each topic \n\tCheck line
117         sys.exit()
118 print(line_pairs)
```



Topics and project templates



Bibliotheken ▸ DITA ▸ DITA ▸ model2dita ▸ projects ▸ _topic-templates ▸

Organisieren ▾ Öffnen Freigeben für ▾ Brennen Neuer Ordner

model2dita

_outlines

projects

_topic-templates

de

en

de

en

stub-py-de-Project.xpr

stub-py-en-Project.xpr

stub-py-Project.xpr

Composite with MathML.xml

Composite.xml

Concept.xml

General Task.xml

Glossentry.xml

Glossgroup.xml

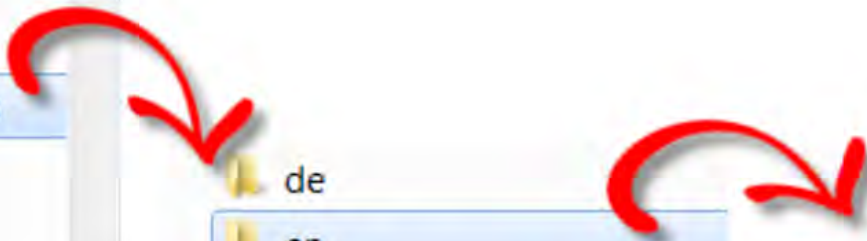
Machinery Task.xml

Reference.xml

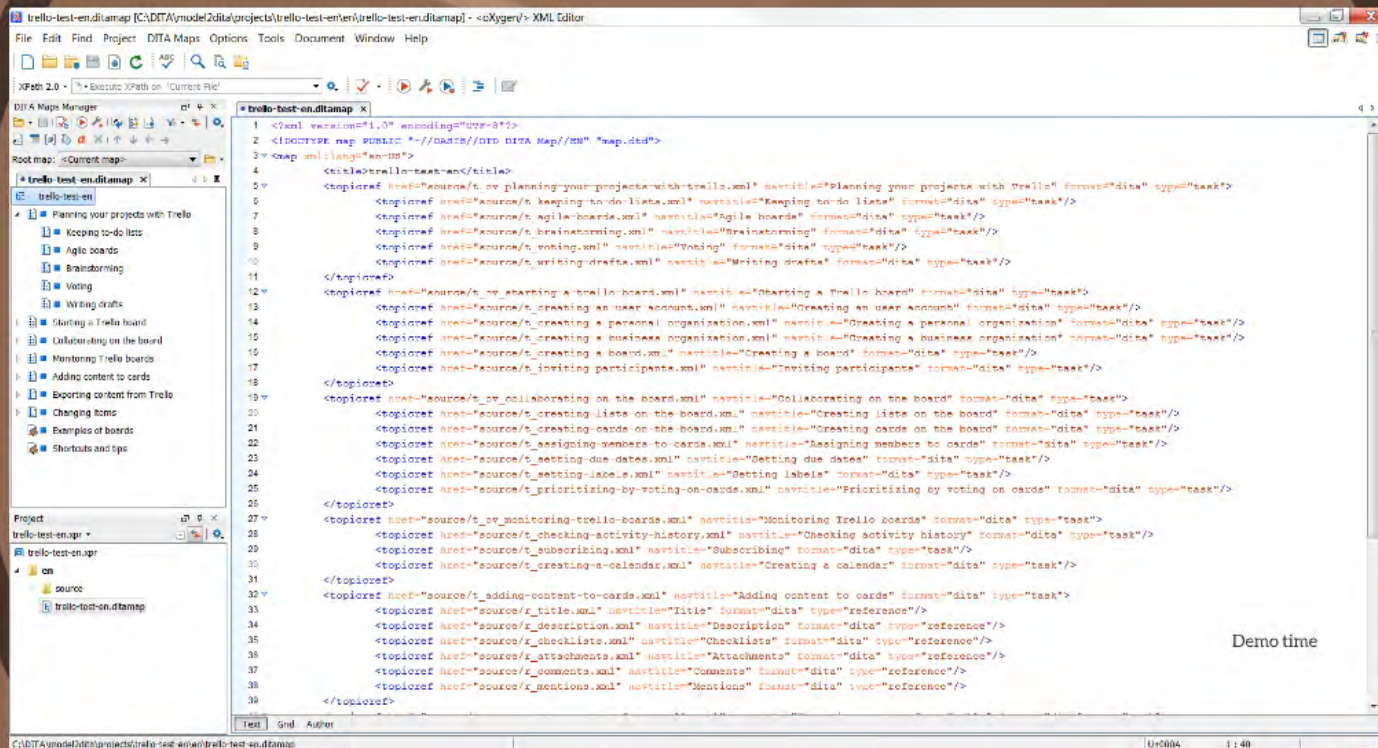
Task.xml

Topic.xml

Troubleshooting.xml



Generated project structure



The screenshot displays the XML Editor interface for a DITA map. The left sidebar shows a tree view of the map's structure, including sections like 'Planning your projects with Trello', 'Keeping to-do lists', 'Agile boards', 'Brainstorming', 'Voting', 'Writing drafts', 'Starting a Trello board', 'Collaborating on the board', 'Monitoring Trello boards', 'Adding content to cards', 'Exporting content from Trello', 'Changing items', 'Examples of boards', and 'Shortcuts and tips'. The main editor area shows the XML code for the map, starting with the root element <map> and containing various <topicref> elements that reference source files. The code is as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE map PUBLIC "-//DITA//DTD DITA Map//EN" "map.dtd">
<map xml:lang="en-US">
  <title>trelo-test-en</title>
  <topicref href="source/t_by_planning_your_projects_with_trello.xml" navtitle="Planning your projects with Trello" format="dita" type="task"/>
  <topicref href="source/t_keeping_to-do_lists.xml" navtitle="Keeping to-do lists" format="dita" type="task"/>
  <topicref href="source/t_agile_boards.xml" navtitle="Agile boards" format="dita" type="task"/>
  <topicref href="source/t_brainstorming.xml" navtitle="Brainstorming" format="dita" type="task"/>
  <topicref href="source/t_voting.xml" navtitle="Voting" format="dita" type="task"/>
  <topicref href="source/t_writing_drafts.xml" navtitle="Writing drafts" format="dita" type="task"/>
</topicref>
  <topicref href="source/t_by_starting_a_trello_board.xml" navtitle="Starting a Trello board" format="dita" type="task"/>
  <topicref href="source/t_creating_an_user_account.xml" navtitle="Creating an user account" format="dita" type="task"/>
  <topicref href="source/t_creating_a_personal_organization.xml" navtitle="Creating a personal organization" format="dita" type="task"/>
  <topicref href="source/t_creating_a_business_organization.xml" navtitle="Creating a business organization" format="dita" type="task"/>
  <topicref href="source/t_creating_a_board.xml" navtitle="Creating a board" format="dita" type="task"/>
  <topicref href="source/t_inviting_participants.xml" navtitle="Inviting participants" format="dita" type="task"/>
</topicref>
  <topicref href="source/t_by_collaborating_on_the_board.xml" navtitle="Collaborating on the board" format="dita" type="task"/>
  <topicref href="source/t_creating_lists_on_the_board.xml" navtitle="Creating lists on the board" format="dita" type="task"/>
  <topicref href="source/t_creating_cards_on_the_board.xml" navtitle="Creating cards on the board" format="dita" type="task"/>
  <topicref href="source/t_assigning_members_to_cards.xml" navtitle="Assigning members to cards" format="dita" type="task"/>
  <topicref href="source/t_setting_due_dates.xml" navtitle="Setting due dates" format="dita" type="task"/>
  <topicref href="source/t_setting_labels.xml" navtitle="Setting labels" format="dita" type="task"/>
  <topicref href="source/t_prioritizing-by-voting-on-cards.xml" navtitle="Prioritizing by voting on cards" format="dita" type="task"/>
</topicref>
  <topicref href="source/t_by_monitoring_trello_boards.xml" navtitle="Monitoring Trello boards" format="dita" type="task"/>
  <topicref href="source/t_checking_activity_history.xml" navtitle="Checking activity history" format="dita" type="task"/>
  <topicref href="source/t_subscribing.xml" navtitle="Subscribing" format="dita" type="task"/>
  <topicref href="source/t_creating_a_calendar.xml" navtitle="Creating a calendar" format="dita" type="task"/>
</topicref>
  <topicref href="source/t_adding_content_to_cards.xml" navtitle="Adding content to cards" format="dita" type="task"/>
  <topicref href="source/t_title.xml" navtitle="Title" format="dita" type="reference"/>
  <topicref href="source/t_description.xml" navtitle="Description" format="dita" type="reference"/>
  <topicref href="source/t_checklists.xml" navtitle="Checklists" format="dita" type="reference"/>
  <topicref href="source/t_attachments.xml" navtitle="Attachments" format="dita" type="reference"/>
  <topicref href="source/t_comments.xml" navtitle="Comments" format="dita" type="reference"/>
  <topicref href="source/t_mentions.xml" navtitle="Mentions" format="dita" type="reference"/>
</topicref>
</map>
```


Demo time

Project





trello-test-en.xpr ▾



 trello-test-en.xpr

▾  **en**

▸  source

 trello-test-en.ditamap

27 ▾

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32 ▾

33

34

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37

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Text

- trello-test-en
 - Planning your projects with Trello
 - Keeping to-do lists
 - Agile boards
 - Brainstorming
 - Voting
 - Writing drafts
 - Starting a Trello board
 - Collaborating on the board
 - Monitoring Trello boards
 - Adding content to cards
 - Exporting content from Trello
 - Changing items
 - Examples of boards
 - Shortcuts and tips

```
2 <!DOCTYPE map PUBLIC "-//OASIS//DTD DITA Map 1.2//en" "dita12.dtd">
3 <map xml:lang="en-US">
4     <title>trello-test-en</title>
5     <topicref href="so...>
6         <topicref href="so...>
7             <topicref href="so...>
8                 <topicref href="so...>
9                     <topicref href="so...>
10                         <topicref href="so...>
11                             </topicref>
12                         <topicref href="so...>
13                             <topicref href="so...>
14                                 <topicref href="so...>
15                                     <topicref href="so...>
16                                         <topicref href="so...>
17                                             <topicref href="so...>
18                                                 </topicref>
19                                             <topicref href="so...>
20                                                 <topicref href="so...>
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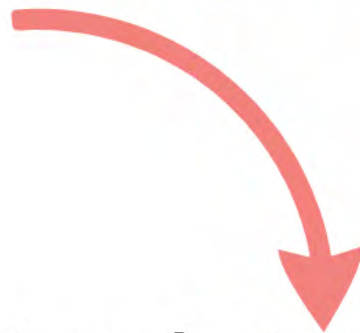
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Demo time

model2project



***Start a DITA project
from the information model***



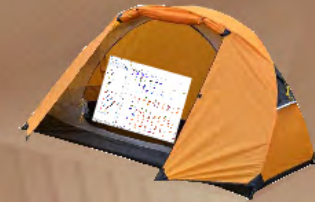
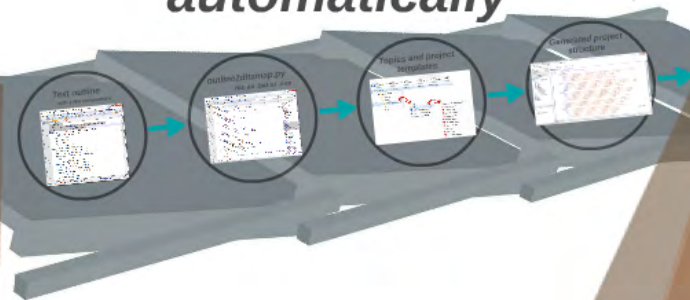


Start a DITA project from the information model

manually
or
automatically

Manually

1. create project file
2. add source folder
3. create ditamap
4. add topicref elements & @navtitle from outline
5. create topics
6. add @href to topicref elements in map
7. define keys in keymaps



From information model to DITA project structure

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 @thinkDITA

