

minimalism

to the max

Jang F.M. Graat

JANG Communication
Amsterdam

who's talking ?

Jang F.M. Graat

Physics, Psychology,
Philosophy

25+ years in Tech Comm

Adobe Fm, Rh, Dw, Ps, Ai,
ESTK, oXygen, Flare, etc.

DITA, XSLT, CSS, HTML,
SVG, JS, PHP, SQL, etc.

Minimalist

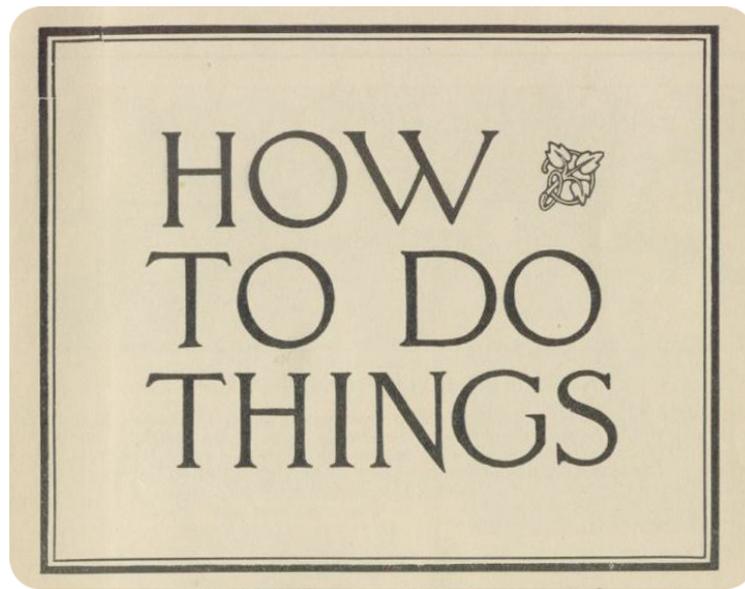


minimalism

basic principles



reading is never the goal



action-oriented



give the users only the information they need



support error recovery

the problem

what do the users already know ?



various user levels

which personas ?



education, experience, ...

only the user knows
what s/he doesn't know

progressive disclosure

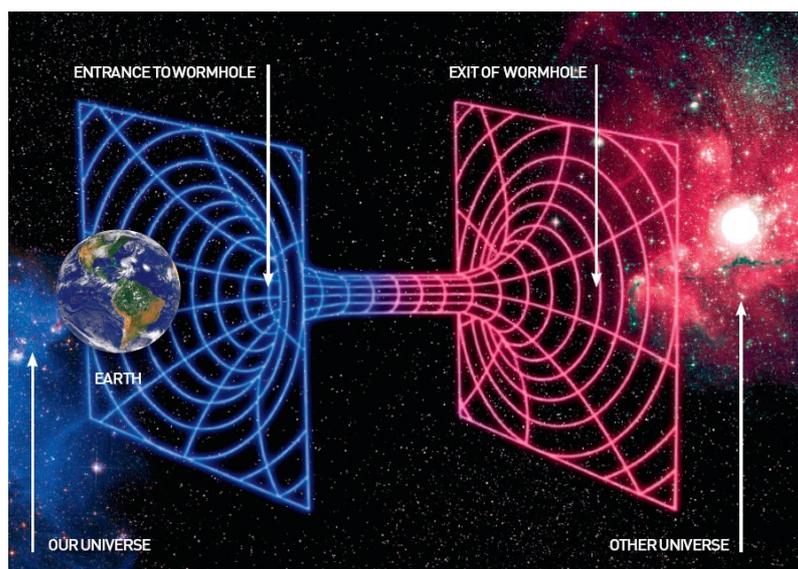
putting the users in control



users know when to
ask for more info



interactive media



links change the context



wild goose chase



disclosable content



progressive disclosure

UA meets UX meets UG

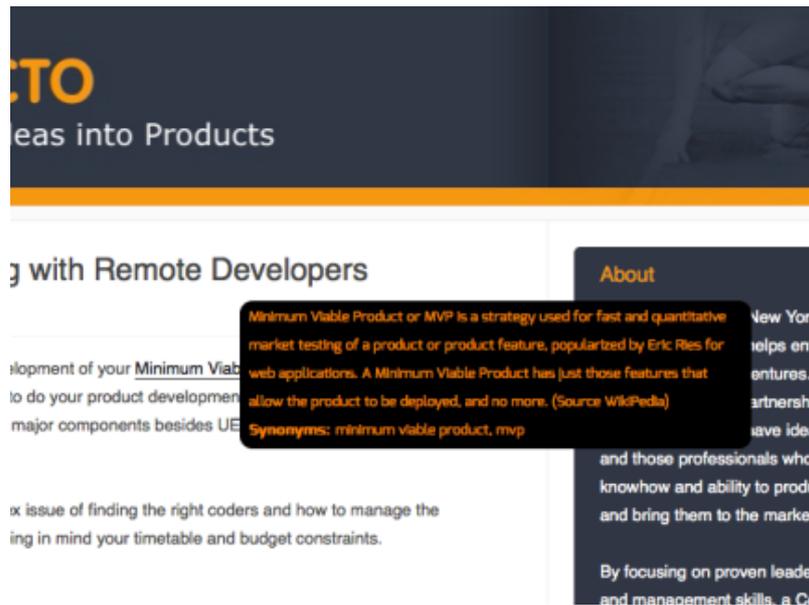
Wikipedia:

"Progressive disclosure is an interaction design technique often used in human computer interaction to help maintain the focus of a user's attention by reducing clutter, confusion, and cognitive workload.

This improves usability by presenting only the minimum data required for the task at hand."

basic techniques

using web technology



tooltips

System Overview

The Wonder Widget Advanced Database Administrative System is designed to manage your *widget database*. If needed, installation instructions are available.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

System Overview

The Wonder Widget Advanced Database Administrative System is designed to manage your *widget database*. *A database is a system in which you can group and store data and then retrieve that data using queries.* If needed, installation instructions are available.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint

expanding text

Using a DOM function

[Show paragraph](#)

The general flow of the document continues.

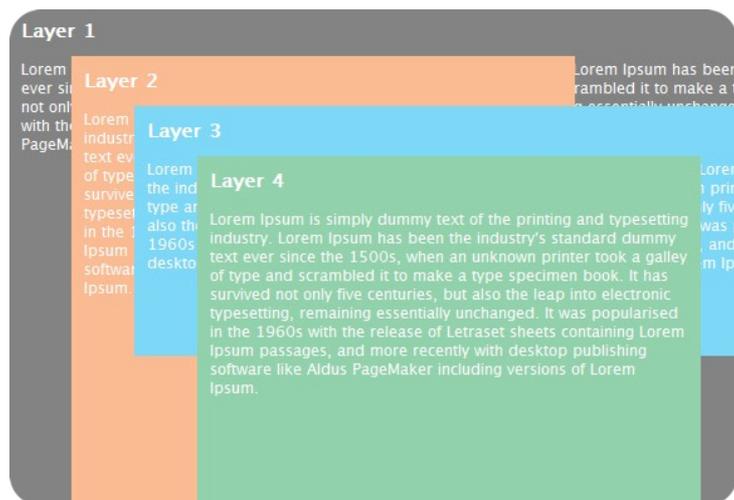
Using a DOM function

[Hide paragraph](#)

This is the paragraph that is only displayed on request.

The general flow of the document continues.

drop-down content



layered content



some guidelines

for more information [click here](#).

[more information](#)

more information:

- + [security settings](#)
- + [firewall options](#)
- + [privacy protection](#)

[import/export options](#)

styling and wording
create expectations



focus of user's attention



consistency in styling
and location of elements



always supply a way back



things to avoid



stating the obvious

Startseite | Angebotsberatung | Fahrplan & Buchung | Services | BahnCard | Urlaub | Meine Bahn

Suche | Auswahl | Ticket & Optionen | Zahlung | Prüfen & Buchen | Bestätigung

Ihre Reisedaten

Hinfahrt von: Amsterdam Centraal | Mo, 10.11.14 | 09:09 | Abfahrt | Ankunft
 nach: Stuttgart Hbf

Rückfahrt von: Stuttgart Hbf | Fr, 14.11.14 | 12:00 | Abfahrt | Ankunft
 nach: Amsterdam Centraal

Reisende: 1 Reisender (Alter: - Jahre), BahnCard 25, 2. Klasse (incl. RAILPLUS), 2. Klasse

Häufige Fragen

- Wo finde ich Sparpreise?
- Warum finde ich mein Verbund-Ticket auf bahn.de nicht?
- Wieso wird bei manchen Verbindungen "Preisauskunft nicht möglich" angezeigt?
- Alle häufig gestellten Fragen

Wählen Sie eine Verbindung

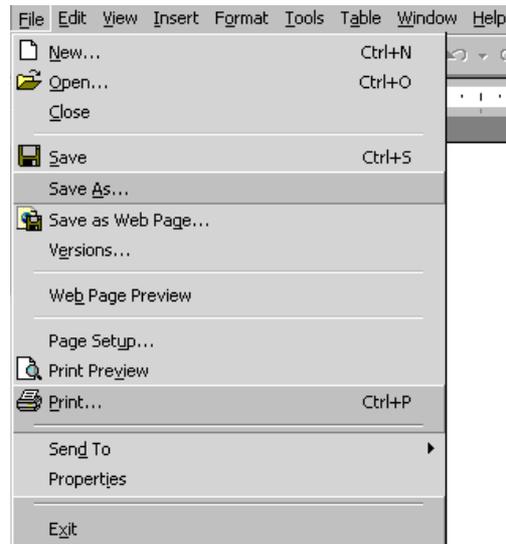
Ihre Hinfahrtmöglichkeiten - sortiert nach Abfahrt

Bahnhof/Haltestelle	Datum	Zeit	Dauer	Ums.	Produkte	Preis für alle Reisenden, Hinfahrt*
Amsterdam Centraal	Mo, 10.11.14	ab 10:34	5:34	1	ICE	Normalpreis i
Stuttgart Hbf	Mo, 10.11.14	an 16:08				Preisauskunft nicht möglich -> Rückfahrt
Umsteigezeit 43 Min.						
Amsterdam Centraal	Mo, 10.11.14	ab 10:34			ICE 123	Intercity-Express Bitte reservieren, Bordbistro
Köln Hbf	Mo, 10.11.14	an 13:12			6	
Köln Hbf	Mo, 10.11.14	ab 13:55			ICE 519	Intercity-Express Bordbistro, WLAN verfügbar
Stuttgart Hbf	Mo, 10.11.14	an 16:08			15	

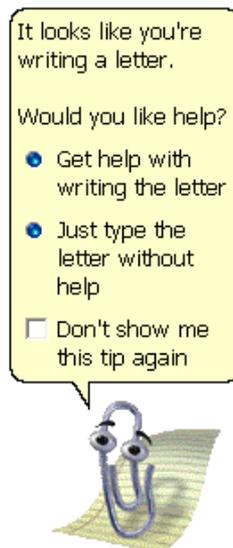
Zwischenhalte einblenden | Verspätungs-Alarm | Markieren | In Kalender eintragen | Druckansicht

fährt täglich, nicht 4. Mai, 14., 15., 22., 28., 29. Jun, 12., 13. Jul
 Übg.: Emmerich(Gr)

too many options



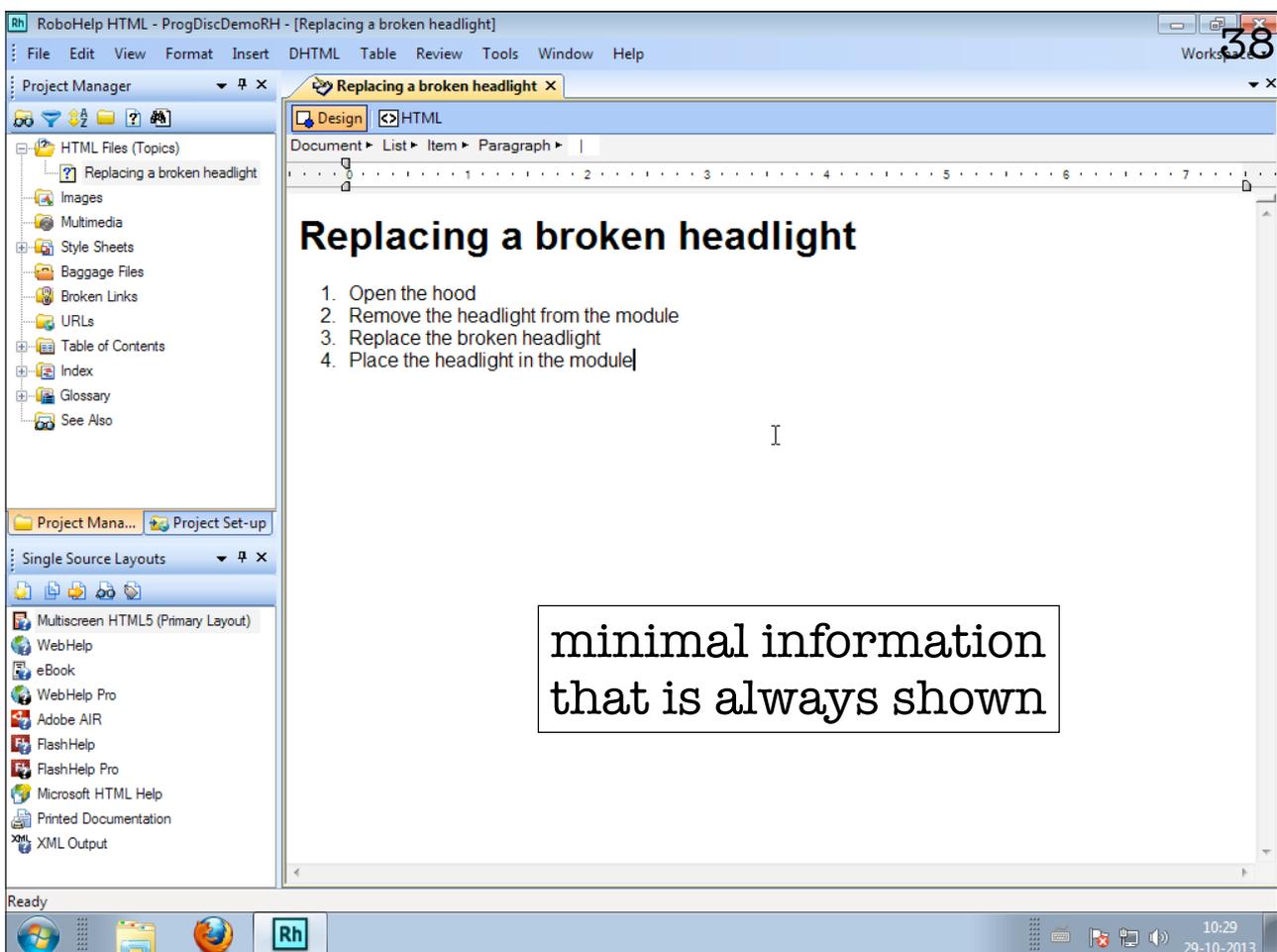
dynamic menus

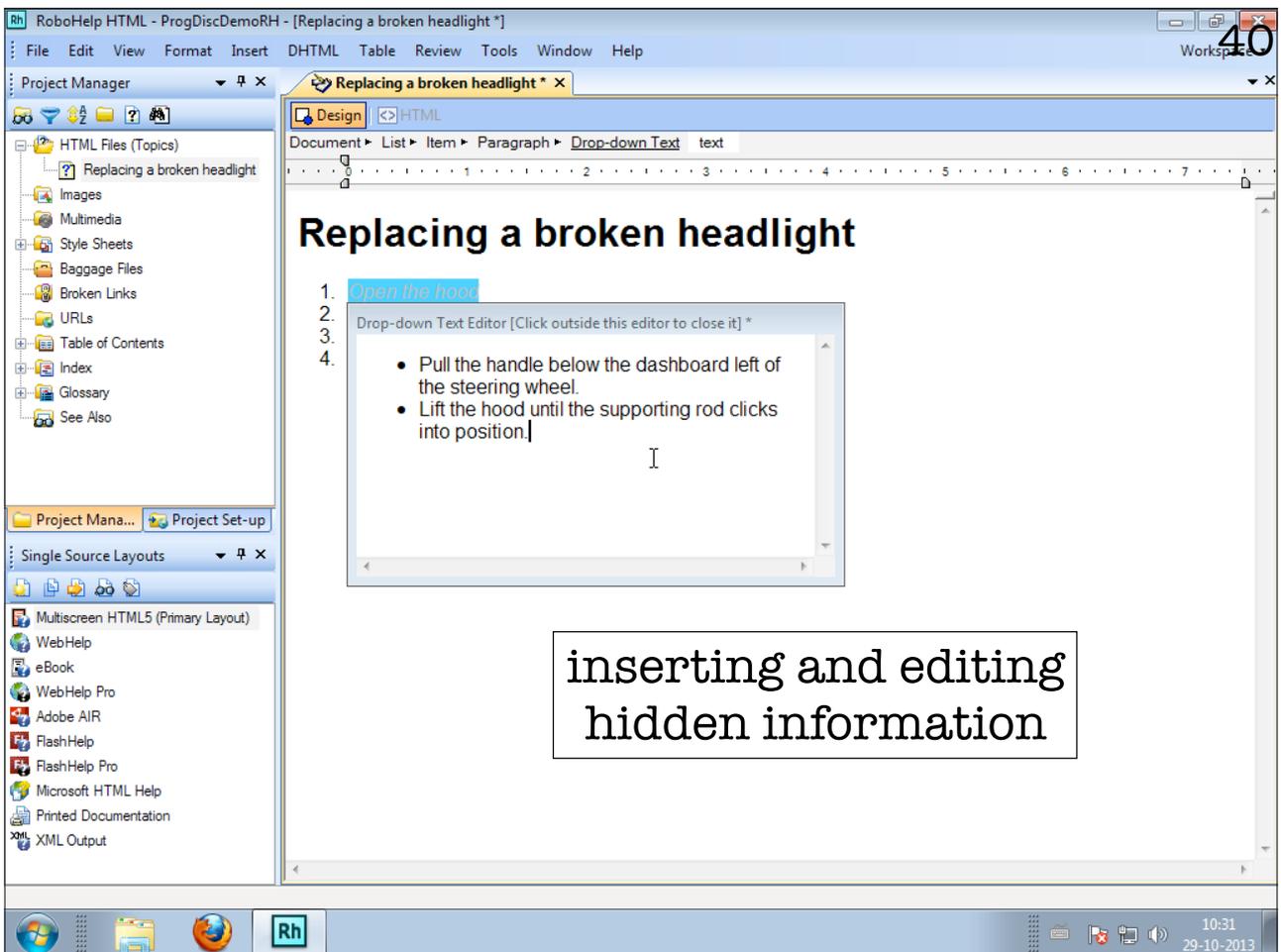
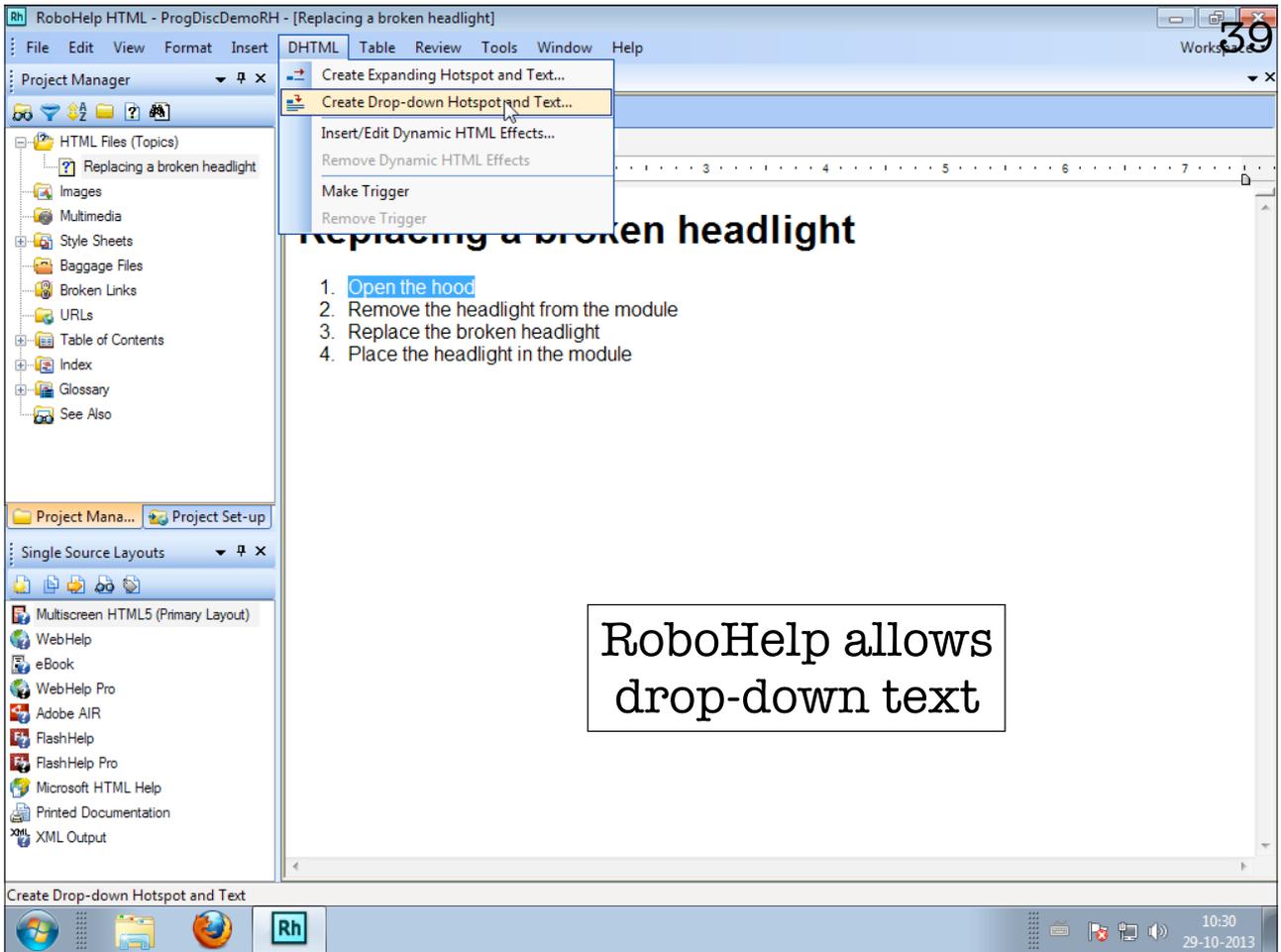


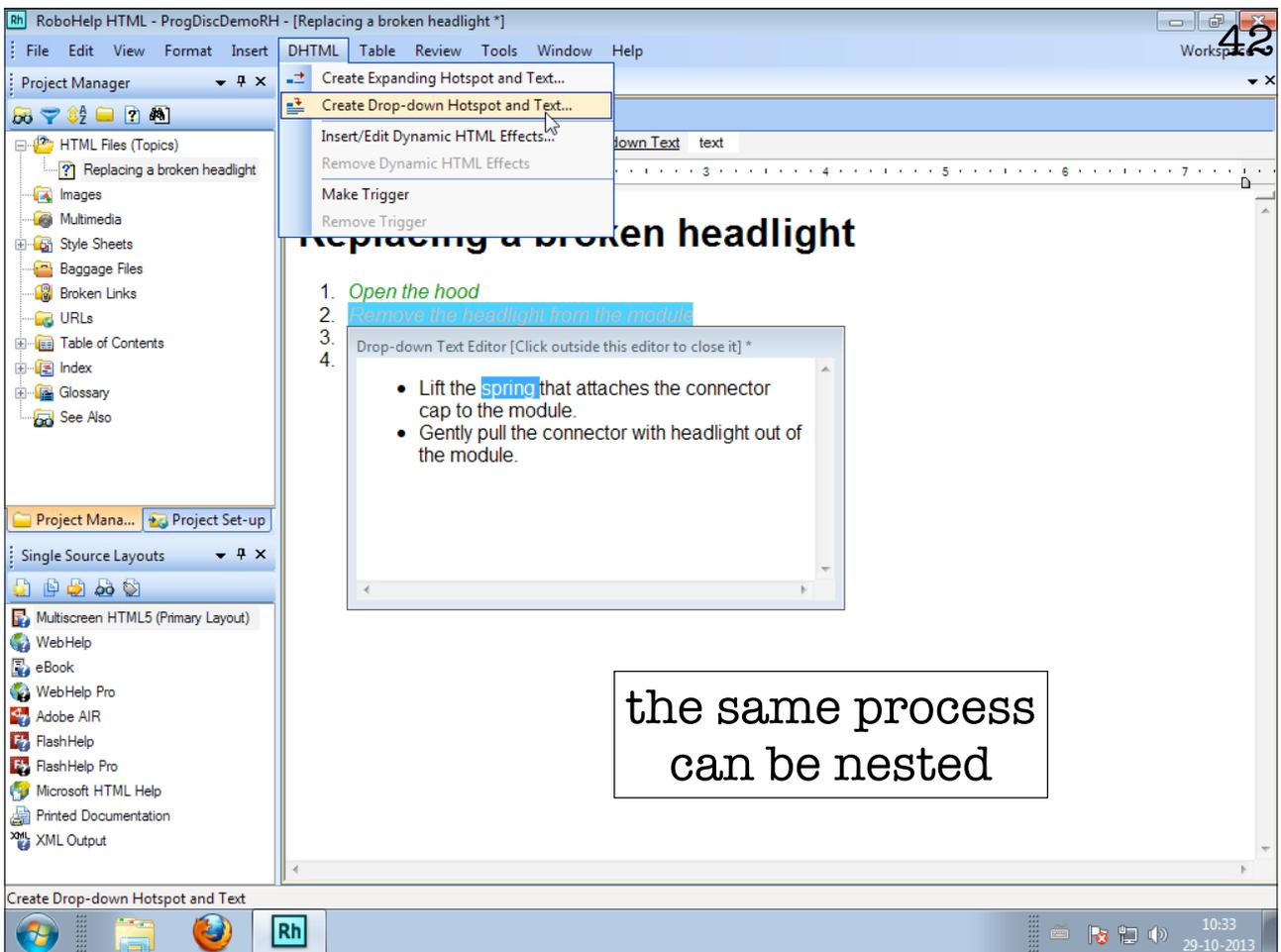
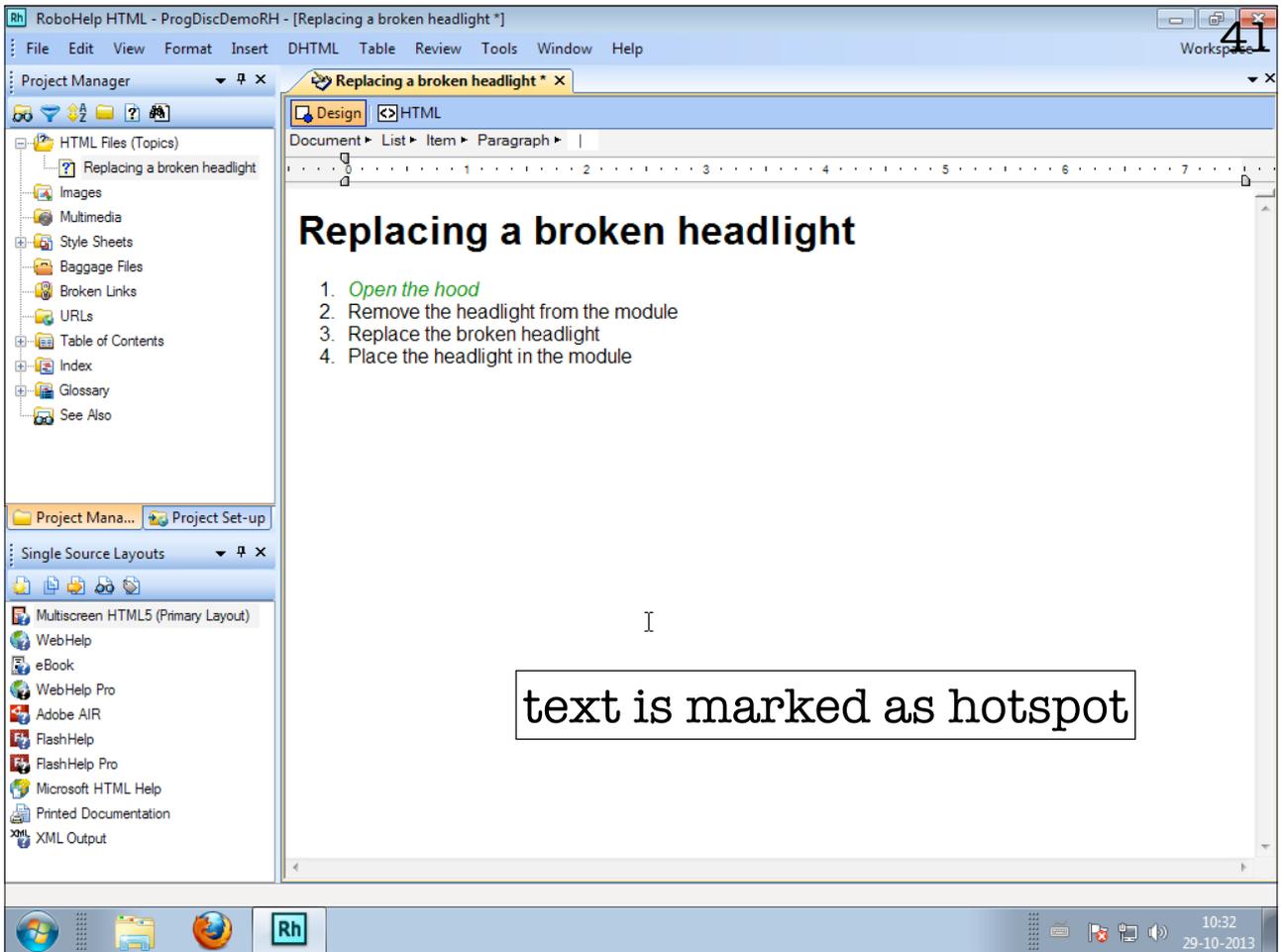
unhelpful advice

progressive disclosure

how to implement it (manually)







43

RoboHelp HTML - ProgDiscDemoRH - [Replacing a broken headlight]

File Edit View Format Insert DHTML Table Review Tools Window Help

Project Manager

Replacing a broken headlight

HTML Files (Topics)

- Replacing a broken headlight
- Images
- Multimedia
- Style Sheets
- Baggage Files
- Broken Links
- URLs
- Table of Contents
- Index
- Glossary
- See Also

Project Mana... Project Set-up

Single Source Layouts

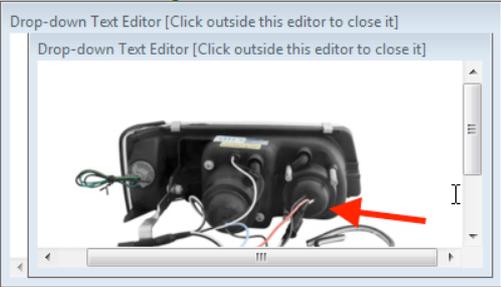
- Multiscreen HTML5
- WebHelp (Primary Layout)
- eBook
- WebHelp Pro
- Adobe AIR
- FlashHelp
- FlashHelp Pro
- Microsoft HTML Help
- Printed Documentation
- XML Output

Design HTML

Document List Item Paragraph Drop-down Text

Replacing a broken headlight

1. *Open the hood*
2. *Remove the headlight from the module*
3. Drop-down Text Editor [Click outside this editor to close it]
4. Drop-down Text Editor [Click outside this editor to close it]



drop-down content may include images

10:59 29-10-2013

44

Firefox

ProgDiscDemoRH

file:///C:/Temp/RH10/Demos/ProgDiscDemoRH/ISSLI/WebHelp/index.htm

Google

Contents Index Search

Home > Replacing a broken headlight

Replacing a broken headlight

1. *Open the hood*
2. *Remove the headlight from the module*
3. Replace the broken headlight
4. Place the headlight in the module

the end result in a browser: only minimal info is visible

javascript:TextPopup(this)

10:39 29-10-2013

45

Firefox

ProgDiscDemoRH

file:///C:/Temp/RH10/Demos/ProgDiscDemoRH/ISSLI/WebHelp/index.htm

Contents Index Search

Home > Replacing a broken headlight

Replacing a broken headlight

1. *Open the hood*
2. *Remove the headlight from the module*
 - Lift the *spring* that attaches the connector cap to the module.
 - Gently pull the connector with headlight out of the module.
3. Replace the broken headlight
4. Place the headlight in the module

the user can click on triggers to reveal drop-down content

javascript:TextPopup(this)

10:39 29-10-2013

46

Firefox

ProgDiscDemoRH

file:///C:/Temp/RH10/Demos/ProgDiscDemoRH/ISSLI/WebHelp/index.htm

Contents Index Search

Home > Replacing a broken headlight

Replacing a broken headlight

1. *Open the hood*
2. *Remove the headlight from the module*
 - Lift the *spring* that attaches the connector cap to the module.
 - Gently pull the connector with headlight out of the module.
3. Replace the broken headlight
4. Place the headlight in the module

progressive disclosure

javascript:TextPopup(this)

10:42 29-10-2013

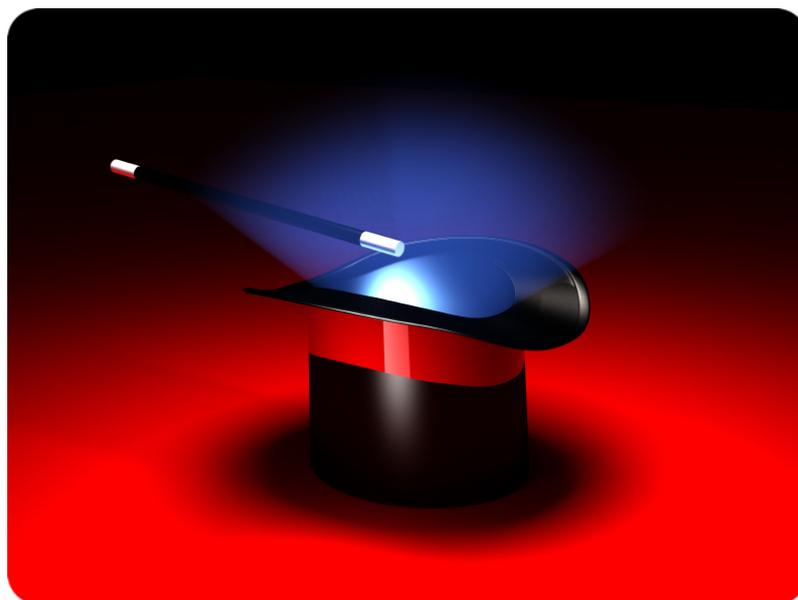


this method takes time

progressive disclosure

let's automate the process

* the described automation
will be available as a plug-in
for the DITA Open Toolkit



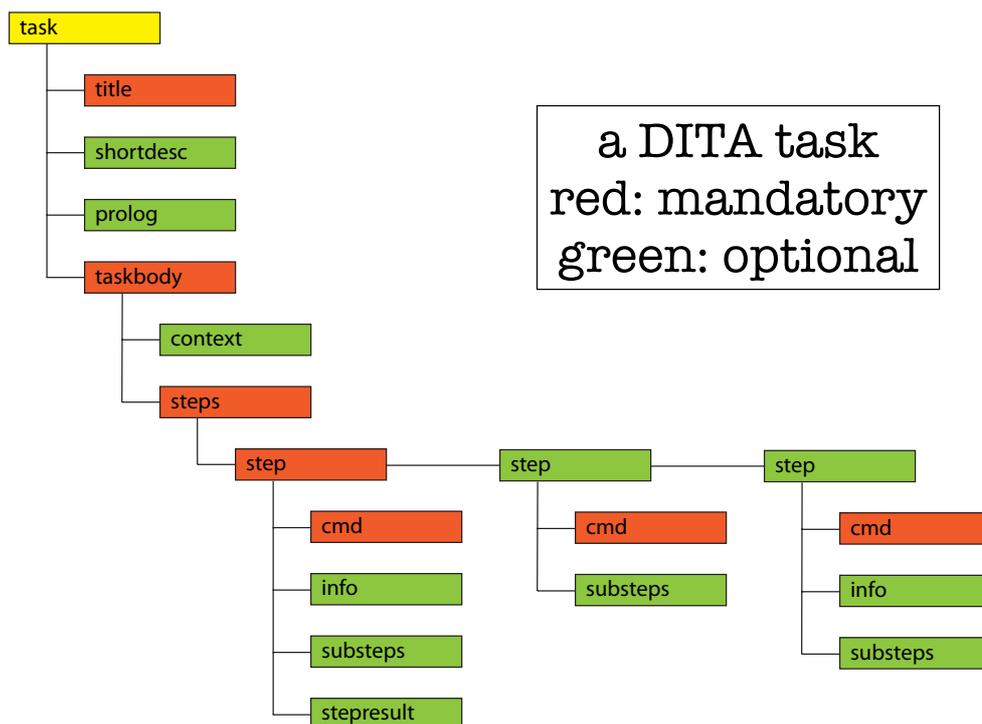
structure + XSLT = magic



XPath : semantic search



XSLT : makeover



The screenshot shows a DITA editor window titled "Replacing-a-flat-tire.dita". The XML code is as follows:

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE task PUBLIC "-//OASIS//DTD DITA Task//EN" "technicalContent/dtd/task.dtd">
3
4 <task id="id131FKJ00PPH">
5   <title>Replacing a flat tire</title>
6   <shortdesc>Procedure to replace a flat tire yourself</shortdesc>
7   <prolog>
8     <author>Jang</author>
9   </prolog>
10  <taskbody>
11    <context>
12      <p>
13        <image href="Flat-tire.jpg"></image>
14        Driving on with a flat tire will cause serious damage to the wheel.
15        This is why all cars have one spare wheel hidden somewhere, just in case.
16        And although replacing a wheel sounds like an engineer's job,
17        it is really simple enough so that anyone - including you - can do it.]
18        So that you can ride home - or rather the garage - safely.
19      </p>
20    </context>
21    <steps>
22      <step>
23        <cmd>Crank up the car</cmd>
24        <info><p>Place the crank close to the wheel under a hard body part.</p></info>
25      </step>
26      <step>
27        <cmd>Remove the wheel</cmd>
28        <info><p>You cannot fix a flat tire yourself, so you will have to take the wheel to a workshop</p></info>
29        <substeps>
30          <substep>
31            <cmd>Remove the hub cap</cmd>
32          </substep>

```

A text box with the text "DITA task in the editor" is overlaid on the code.

The screenshot shows a Firefox browser window displaying the rendered HTML output of the DITA task. The page content is as follows:

Replacing a flat tire

Procedure to replace a flat tire yourself



Driving on with a flat tire will cause serious damage to the wheel. This is why all cars have one spare wheel hidden somewhere, just in case. And although replacing a wheel sounds like an engineer's job, it is really simple enough so that anyone - including you - can do it. So that you can ride home - or rather the garage - safely.

1. Crank up the car
 - Place the crank close to the wheel under a hard body part.
2. Remove the wheel
 - You cannot fix a flat tire yourself, so you will have to take the wheel to a workshop
 - a. Remove the hub cap
 - b. Remove the screws
 - c. Pull the wheel off the flange

A text box with the text "standard HTML output" is overlaid on the page content.

TaskProgDisc.xml [//Users/jang/Dropbox/Presentations/Work/2014/tekom Augsburg/DITA/TaskProgDisc.xml] - <oxygen/> XML Editor

XPath 2.0

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
3   xmlns:xs="http://www.w3.org/2001/XMLSchema"
4   exclude-result-prefixes="xs"
5   version="2.0">
6
7   <xsl:output method="html" encoding="UTF-8" doctype-public="-//W3C//DTD XHTML 1.0 Transitional//EN"
8     doctype-system="http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"></xsl:output>
9
10  <xsl:template match="task">
11    <xsl:element name="html">
12      <xsl:element name="head">
13        <xsl:element name="link">
14          <xsl:attribute name="href">
15            <xsl:text>progdisc.css</xsl:text>
16          </xsl:attribute>
17          <xsl:attribute name="rel">
18            <xsl:text>stylesheet</xsl:text>
19          </xsl:attribute>
20          <xsl:attribute name="type">
21            <xsl:text>text/css</xsl:text>
22          </xsl:attribute>
23        </xsl:element>
24        <xsl:element name="script">
25          <xsl:attribute name="src">
26            <xsl:text>progdisc.js</xsl:text>
27          </xsl:attribute>
28        </xsl:element>
29        <xsl:element name="title">
30          <xsl:value-of select="title"/>
31        </xsl:element>
32      </xsl:element>
33    </xsl:element>
34  </xsl:template>
35 </xsl:stylesheet>

```

Text Grid Author

/Users/.../DITA/TaskProgDisc.xml U+003C 2 : 1

XSL allows automatic transformation

progdisc.css [//Users/jang/Dropbox/Presentations/Work/2014/tekom Augsburg/DITA/progdisc.css] - <oxygen/> XML Editor

XPath 2.0

```

1
2 .info, .substeps, .stepresult {
3   display:none;
4 }
5
6 .stepresult {
7   background:#FFDDDD;
8   padding:10px;
9   border:1px solid #000000;
10 }
11
12 #context {
13   display:none;
14   font-size:12pt;
15   border:1px solid #000000;
16   padding:20px;
17   margin:20px;
18 }
19
20 #context p img {
21   display:block;
22 }
23
24 .shortdesc {
25   font-size:small;
26 }
27
28 a { text-decoration:none }
29
30 a.tooltip {outline:none;}
31 a.tooltip strong {line-height:30px;}
32 a.tooltip:hover {text-decoration:none;}
33 a.tooltip span {
34   z-index:10;display:none; padding:14px 20px;

```

U+000A 1 : 1

CSS makes specified elements initially hidden

```

1 // JavaScript Document
2
3 toggleitem = function ( id )
4 {
5   var theitem = document.getElementById();
6   if ( theitem.style.display == '' || theitem.style.display == 'none' )
7     theitem.style.display = 'block';
8   else
9     theitem.style.display = 'none';
10 }
11
12
13

```

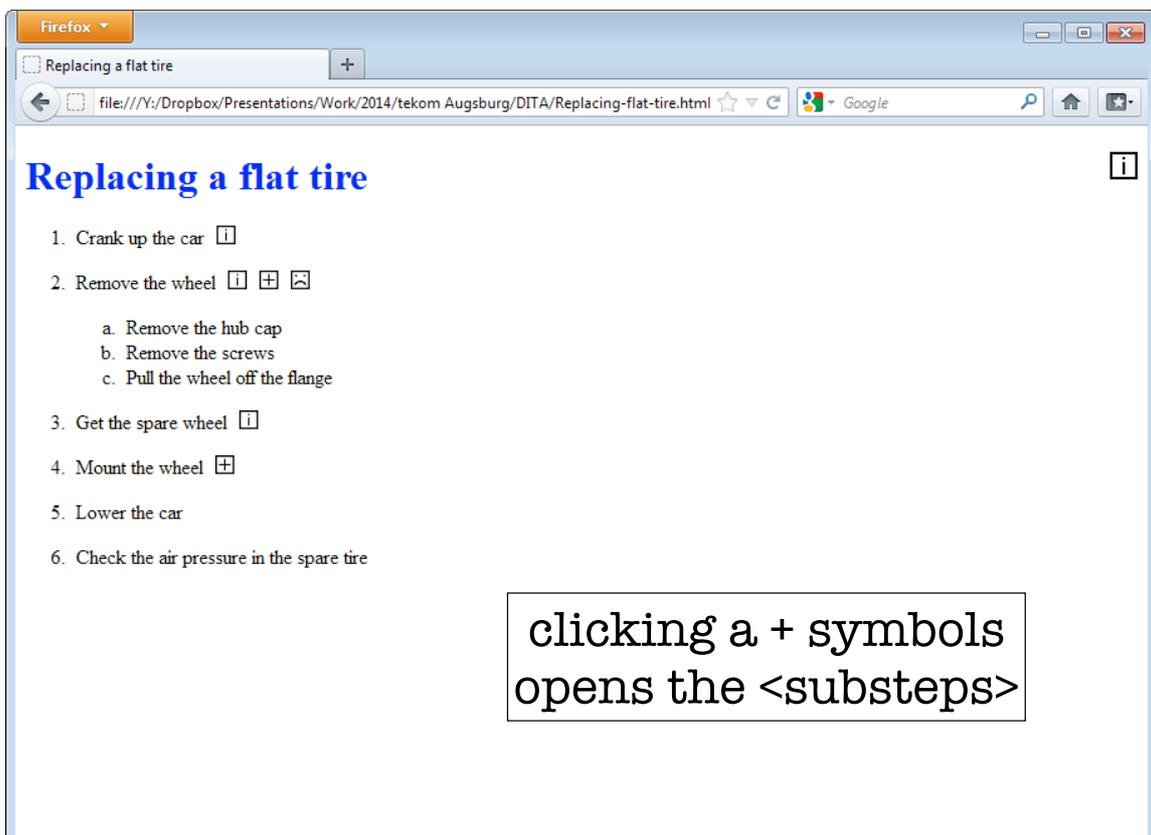
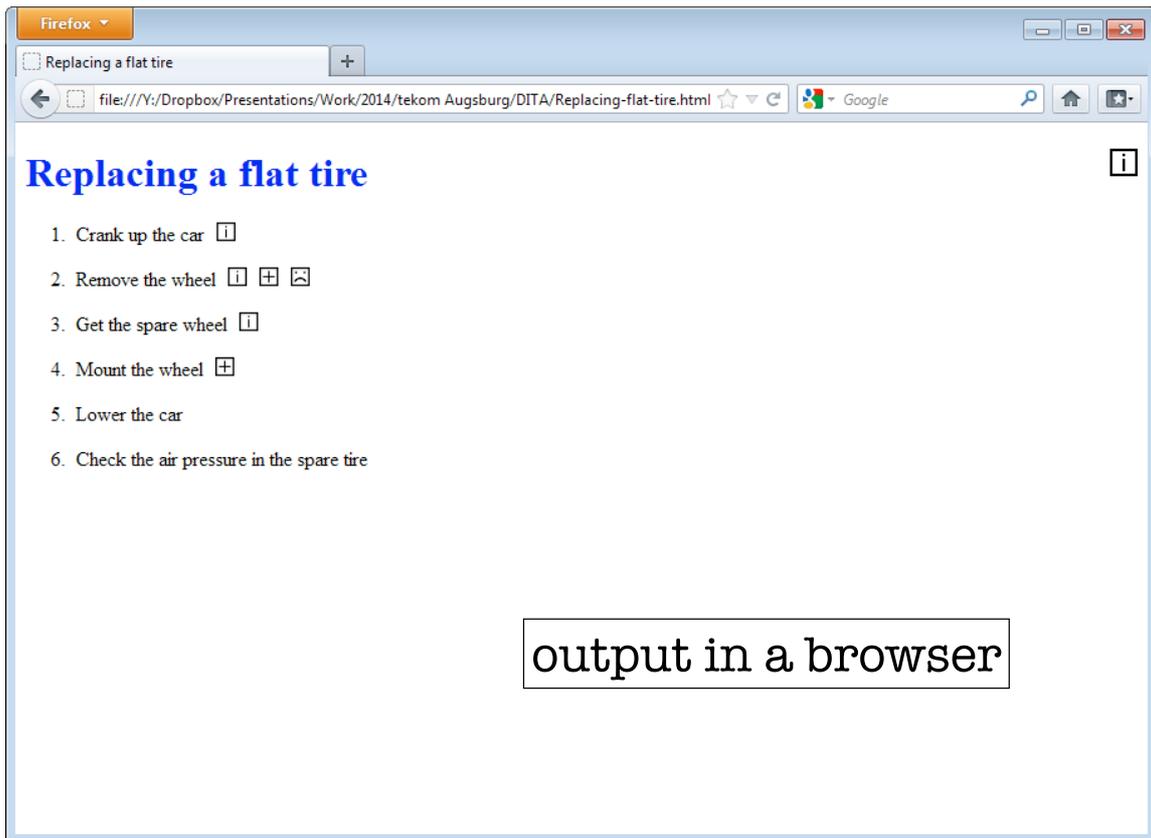
JavaScript links triggers
to their target content

```

1 <!DOCTYPE html
2 PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html>
4   <head>
5     <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
6     <link href="progdisc.css" rel="stylesheet" type="text/css"><script src="progdisc.js"></script><title>Replacing a flat
7   </head>
8   <body>
9     <h1 class="hover"><a class="tooltip" href="#">Replacing a flat tire<span class="shortdesc">Procedure to replace a flat
10    tire yourself</span></a></h1>
11    <div id="context">
12
13    Driving on with a flat tire will cause serious damage to the wheel.
14    This is why all cars have one spare wheel hidden somewhere, just in case.
15    And although replacing a wheel sounds like an engineer's job,
16    it is really simple enough so that anyone - including you - can do it.
17    So that you can ride home - or rather the garage - safely.
18    <br clear="right"></div>
19    <ol>
20      <li>
21        <p class="cmd">Crank up the carPlace the crank close to the wheel, under a hard body part.</p>
23      </li>
24      <li>
25        <p class="cmd">Remove the wheel</p>
27        <p class="info" id="info2">You cannot fix a flat tire yourself, so you will have to take the wheel to a
28        workshop</p>
29        <ol class="substeps" id="substeps2">
30          <li>Remove the hub cap</li>
31          <li>Remove the screws</li>

```

result of the XSLT



Firefox

Replacing a flat tire

file:///Y:/Dropbox/Presentations/Work/2014/tekom Augsburg/DITA/Replacing-flat-tire.html

Replacing a flat tire

1. Crank up the car

Place the crank close to the wheel under a hard body part.
2. Remove the wheel

You cannot fix a flat tire yourself, so you will have to take the wheel to a workshop

 - a. Remove the hub cap
 - b. Remove the screws
 - c. Pull the wheel off the flange

If the wheel does not come off the flange, spray the screws with oil and wait 5 minutes before retrying.
3. Get the spare wheel

In most cars, the spare wheel is placed in a compartment at the base of the boot. In some cars, the spare wheel is suspended below the chassis and can be lowered and removed after loosening a screw in the rear part of the boot.
4. Mount the wheel
 - a. Push the wheel on the flange
 - b. Place and tighten the screws
 - c. Place the hub cap

other symbols open `<info>` and `<result>`

Firefox

Replacing a flat tire

file:///Y:/Dropbox/Presentations/Work/2014/tekom Augsburg/DITA/Replacing-flat-tire.html

Replacing a flat tire

Procedure to replace a flat tire yourself

Place the crank close to the wheel under a hard body part.

2. Remove the wheel

You cannot fix a flat tire yourself, so you will have to take the wheel to a workshop

 - a. Remove the hub cap
 - b. Remove the screws
 - c. Pull the wheel off the flange

If the wheel does not come off the flange, spray the screws with oil and wait 5 minutes before retrying.
3. Get the spare wheel

In most cars, the spare wheel is placed in a compartment at the base of the boot. In some cars, the spare wheel is suspended below the chassis and can be lowered and removed after loosening a screw in the rear part of the boot.
4. Mount the wheel
 - a. Push the wheel on the flange
 - b. Place and tighten the screws
 - c. Place the hub cap

moving mouse over title reveals `<shortdesc>`

file:///Y:/Dropbox/Presentations/Work/...ugsburg/DITA/Replacing-flat-tire.html#

Firefox

Replacing a flat tire

file:///Y:/Dropbox/Presentations/Work/2014/tekom Augsburg/DITA/Replacing-flat-tire.html

Google

Replacing a flat tire

Driving on with a flat tire will cause serious damage to the wheel. This is why all cars have one spare wheel hidden somewhere, just in case. And although replacing a wheel sounds like an engineer's job, it is really simple enough so that anyone - including you - can do it. So that you can ride home - or rather the garage - safely.



1. Crank up the car 

Place the crank close to the wheel under a hard body part.
2. Remove the wheel   

You cannot fix a flat tire yourself, so you will have to take the wheel to a workshop.

 - a. Remove the hub cap
 - b. Remove the screws
 - c. Pull the wheel off the flange

+ symbol top right opens <context>

questions ?

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 [4everJang](https://twitter.com/4everJang)

 blogs.jang.nl

