

Redesign Report




1 Executive Summary




This report describes the redesign of the **Drupal 7 Test Installation** Web site according to the previous evaluation.

2 Web Site Redesigned

- **Website Title:** Drupal 7 Test Installation
- **Primary URL:** <http://www.accessipedia.info/testing/drupal>
- **Primary Natural Language:** English
- **Review Date:** 2009-05-02

2.1 Samples:

Name	URL (relativ to primary url)	Screenshot
Users	./admin/user/user	
Add Book	./node/add/book	
File Uploads	./admin/settings/uploads	

Referrers	/admin/reports/referrers	
Taxonomy	/admin/content/taxonomy	
Modules	/admin/build/modules	

3 Redesigner(s)

- Reviewer Name: Samuel Gratzl
- Reviewer Email: samuel_gratzl@gmx.at

4 Redesign Process

For the redesign of the the Website a copy of the samples were created and then the HTML and CSS of these sites were manipulated to fix the evaluation problems. To download the samples the FireFox Addon ScrapBook (<http://amb.vis.ne.jp/mozilla/scrapbook/>) was used, because the normal “Save” functionality, didn't store images which are referenced in the CSS files.

But there was a problem with the JavaScript of the site, especially with jQuery. You can download the files, but you can't locally run the jQuery functionality. Therefore some of the evaluation problem couldn't be fixed.

5 Results and Recommended Actions

5.1 General overview

Sample	A Success Criterion			AA Success Criterion			AAA Success Criterion		
	Pass	Fail	N/A	Pass	Fail	N/A	Pass	Fail	N/A
<i>Users</i>	18	0 (-4) ¹	7	8	1 (-2)	4	14	1 (-1)	8
<i>Add Book</i>	17	1 (-2)	7	8	1 (-2)	4	14	1 (-1)	8
<i>File Uploads</i>	18	0 (-1)	7	9	0 (-1)	4	14	1 (-1)	8
<i>Referrers</i>	18	0 (-1)	7	8	1 (-1)	4	14	1	8
<i>Taxonomy</i>	14	4 (-3)	7	7	2 (-1)	4	14	1 (-1)	8
<i>Modules</i>	18	0 (-4)	7	8	1 (-2)	4	14	1 (-1)	8

Sample	Passed Rate ²			
	A	AA	AAA	Average ³
<i>Users</i>	100,00%	92,31%	95,65%	96,71%
<i>Add Book</i>	96,00%	92,31%	95,65%	94,71%
<i>File Uploads</i>	100,00%	100,00%	95,65%	99,28%
<i>Referrers</i>	100,00%	92,31%	95,65%	96,71%
<i>Taxonomy</i>	84,00%	84,62%	95,65%	86,15%
<i>Modules</i>	100,00%	92,31%	95,65%	96,71%
<i>Total Average</i>	96,67%	92,31%	95,65%	95,04%

5.2 Interpretation

The following section gives you an overview what was done to pass the success criteria. At the beginning the theme will be described. Afterwards there is a section about some common fixes and then each page will be discussed.

5.2.1 Theme Garland

As already described in the evaluation report the theme *garland* was used. Because of the theme, the success criteria 1.4.3: Contrast (Minimum) and 1.4.6: Contrast (Enhanced) failed on every sample. There were several problems with the colour of the links and with the description text.


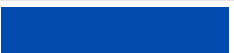








Redesign:

to pass these criteria I changed the colours of the links. To be more precise, following rgb values have changed:

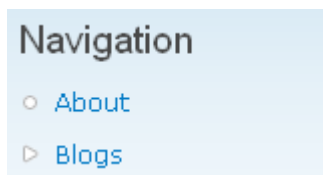
¹ How many errors could be removed

² Not applicable were calculated as passed

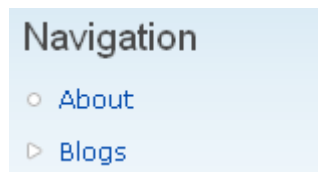
³ The different levels have different weights A = 3, AA = 2, A = 1 → AVG = (a*3+aa*2+aaa)/6

From		To		Used for
rgb(2,122,198)		rgb(2,74,173)		Main menu
rgb(82,154,214)		rgb(2,74,140)		Breadcrumb
rgb(137,137,137)		rgb(86,86,86)		Description text
rgb(111,157,189)		rgb(2,74,173)		Column header
rgb(205,227,241)		rgb(255,255,255)		Log out menu

On the one hand with these changes the 1.4.3 criteria will be passed, but on the other hand, the theme doesn't look as smooth as before as you can see on the pictures. Furthermore the AAA criteria 1.4.6 won't be passed, because the the "log out" button has only a contrast of 3.02:1 although the colour of the link is already white, so I wouldn't be able to fix this criteria without a greater change in the theme colours.



Picture 1: Before



Picture 2: After

5.2.2 Common failures

Now some common failures which occurred in most of the samples and how I tried to solve them.

5.2.2.1 2.4.1: Bypass Blocks – A

there was no way to skip e.g. the main menu and jump directly to the content.

Redesign:

As suggested in the evaluation report I implemented a simple navigation menu an the beginning of each site. The menu is invisible for the normal graphical user, because I moved it out, via a CSS class called invisible. The menu consists of three elements, to the top, to the menu, and to the content. To realize the jumps I added additional anchors named #top, #menu, #content. By the way, the navigation menu also set the acceskey attribute to 6, 7 and 8.

Jump Menu:

- [to the top.](#)
- [to the menu.](#)
- [to the content.](#)

 [\[IMAGE: "Drupal 7 Test Installation"\] Drupal 7 Test Installation](#)

Picture 1: Jump Menu

5.2.2.2 2.4.5: Multiple Ways – AA

there is only one way to go to most of the pages. There exists a search function but with that you can only search for textual content, not for administration sites.

Redesign:

Because there already exists a sitemap module I didn't fix this point, because you just have to install the module. So the criteria fails but it is very easy to fix it.

5.2.2.3 2.4.10: Section Headings – AAA

The organisation of the H1 and H2 isn't the best. H1 is used in every sample for describing the global website title, which is in this case “Drupal 7 Test Installation”. H2 is used for the two main points of the main menu (“Navigation” and “Management”) and a third H2 is used for the effective title of the site, e.g. “Modules”. But there are no more heading tags in all of the samples, e.g. no H3 and so on. So the first heading tag which brings information to a user is the third H2 tag, which is not optimal.

Redesign:

To pass this criteria with a minimum change of the existing system I introduced two new CSS classes called h1fake and h2fake. These classes have the same properties as the original h1 and h2 tags, but they don't appear in the outline of the site. Moreover the design of the h2 for the content became the design for the h1 and so on. So I was able to change that the third h2 tag became the h1 tag, without any visual change of the website.

5.2.3 Users

5.2.3.1 1.3.1: Info and Relationships – A, 2.4.6: Headings and Labels – AA

The select input fields in the filter fieldset didn't have a corresponding label.

Redesign:

I introduced invisible labels for the fields.

5.2.3.2 2.4.3: Focus Order – A

The filter fieldset have a strange ordering. The focus order is:

1. radio button permission
2. radio button status
3. select input field for permission

4. select input field for status
5. Filter submit button

Redesign:

To pass this criteria I changed the focus order as suggested by rearranging the input fields in the html code. Furthermore I changed the radio buttons to checkboxes, because I think you should be able to select both.

5.2.3.3 2.4.4: Link Purpose (In Context) – A

The edit link for each user just have the name “edit” with no further information e.g. via the title attribute.

Redesign:

Add a title attribute to each edit link, where the text is “edit user <username>”

5.2.4 Add Book

5.2.4.1 1.3.1: Info and Relationships – A 2.4.6: Headings and Labels – AA

According to the Total Validator there is a orphaned label field before the description which tags are allowed in the filtered HTML text format.

Redesign:

Replaced the labels tags with normal span tags.

5.2.4.2 3.2.2: On Input – A

With activated javascript the description text, for what tags are allowed according to the selected text format, changes, when you select another text format.

Redesign:

I wasn't able to fix this criteria because JavaScript didn't locally work.

5.2.5 File Uploads

There were no special failures in addition to the common failures.

5.2.6 Referrers

There were no special failures in addition to the common failures.

5.2.7 Taxonomy

The taxonomy page is a special page, because most of the failures are because of JavaScript so I wasn't able to fix them.

5.2.7.1 1.3.1: Info and Relationships – A,
2.4.6: Headings and Labels – AA ,
2.1.1: Keyboard – A,
3.2.2: On Input – A
3.2.5: Change on Request – AAA
3.3.2: Labels or Instructions – A

All these criteria are related to JavaScript therefore I wasn't able to fix them.

5.2.7.2 1.4.1: Use of Color – A

The warning that “Changes made in this table will not be saved until the form is submitted.” uses only a yellow background colour to indicate the warning.

Redesign:

I created an invisible text “WARNING: “ at the beginning of the warning to give text based browser users the possibility to realize that the text is a warning.

5.2.7.3 2.4.4: Link Purpose (In Context) – A

The operations links have all the same name.

Redesign:

I set the title attribute for each of the links according to following scheme: “<link text> for <vocabulary name>”

5.2.8 Modules

5.2.8.1 1.3.1: Info and Relationships – A
2.4.6: Headings and Labels – AA

According to the Total Validator each checkbox to en/disable the module has two corresponding labels. The first label is in the same cell as the checkbox and the other label is about the name cell. The goal of the second label is to quick en/disable modules by clicking at their name.

Redesign:

I removed the first label around the naked checkbox and inserted an invisible text before the name of the cell. So the label for the checkbox is something like: “enable <module name>”.

5.2.8.2 1.4.1: Use of Color – A

The warning, which you can see on the screenshot of the modules pages, just uses a yellow background colour to indicate that it is a warning.

Redesign:

see 5.2.7.2 1.4.1: Use of Color – A

5.2.8.3 2.4.4: Link Purpose (In Context) – A

The “More help” link of each module, has no title and the same text.

Redesign:

Similar to the other samples where this criteria failed, I set the title attribute of the link to: “more help for <module name>”.

5.2.9 Summary

This reports describes the redesign of the Web-Site **Drupal 7 Test Installation** according to the previous evaluation report. Trough the redesign of the samples 29 additional criteria will be passed. Another 10 criteria will be passed, if the sitemap module is installed and one small theme redesign is taken place. So there are only 6 criteria which are more serious. All of them are related to JavaScript functionality.

6 References

1. [Web Content Accessibility Guidelines 2.0](http://www.w3.org/TR/WCAG20/)
<<http://www.w3.org/TR/WCAG20/>>
2. [Techniques for Web Content Accessibility Guidelines 2.0](http://www.w3.org/TR/WCAG20-TECHS/)
<<http://www.w3.org/TR/WCAG20-TECHS/>>