

Bugs & Wish list

Accessibility: 14.x pop-up menus impossible for blind user, 12.x was usable | Tiki Wiki CMS Groupware :: Development
Accessibility: 14.x pop-up menus impossible for blind user, 12.x was usable

Status

● Open

Subject

Accessibility: 14.x pop-up menus impossible for blind user, 12.x was usable

Version

14.x Regression

Category

- Usability
- Regression

Feature

Accessibility

Resolution status

Confirmed

Submitted by

Sam Hartman

Lastmod by

luciash d' being [], Philippe Cloutier

Rating

★★★★★ (1) ?

Description

I'm totally blind.. I'm using firefox on Linux with Gnome Orca as a screen reader, although I'm fairly sure the Windows screen readers won't work any better with this.

There are a number of cases where there is an action link next to an object such as:

- Users on the admin user list
- Blogs on the list of blogs

When this link is focused (or presumably mouse-overed), a pop-up window appears with a set of actions that can be clicked on.

There's no way for a blind user to select one of those options. I can ask the Screen Reader to focus on one of the links in that pop-up, but since I'm focusing there not moving the mouse there, the pop-up disappears.

Even disabling the page's styling is insufficient to get to the pop-up in an area where I can click. I'm not familiar with Bootstrap enough to try and suggest a fix.

I'd be delighted to work with someone to figure out what fixes would work, exchanging patches and the like until we find something that is visually appealing but works better.

For many actions, you can click on the object and get to a details view where you can also perform the action. However there are a number of things where this doesn't work:

- Administrator force-confirming the email of a user
- Editing object permissions of a blog
- Editing or removing an external wiki

There are probably others but those are the main ones I've found so far.

The pop-ups at the top of the page, for example the one that opens up the selections with wizards, controll panels, etc. And the pop up containing edit/remove/monitor on a wiki page are both fine.

Importance

7

Easy to solve?

4

Priority

28

Demonstrate Bug (Tiki 19+)

Please demonstrate your bug on show2.tiki.org

Version: trunk ▼

Demonstrate Bug (older Tiki versions)

Please demonstrate your bug on show.tikiwiki.org

Version: 18.x ▼

Ticket ID

5682

Created

Tuesday 09 June, 2015 11:02:00 GMT-0000
by Sam Hartman

LastModif

Friday 06 October, 2017 20:05:10 GMT-0000

Comments



Gary Cunningham-Lee 09 Jun 15 11:19 GMT-0000

Here are a couple of links that might be useful:

<https://github.com/paypal/bootstrap-accessibility-plugin>

<https://blog.adrianroselli.com/2014/06/accessible-bootstrap-frameworks.html>



Sam Hartman 09 Jun 15 11:42 GMT-0000

I tried installing the bootstrap-accessibility plugin into my tiki site. It clearly is working in that keyboard navigation turned on for things like the pop-up including control panels. However it does not change the actions link behavior.

My guess is that the actions link is a tiki-custom widgit or is not one of the widgits that this plugin makes accessible.

I was asked in another comment why 12.x was better. In 12.x there's a link for each action on each row, which happens to be accessibility. I certainly understand why the 14.x behavior is visually more

appealing and once we figure out a solution it will be better for both blind and sighted users.



luciash d' being 09 Jun 15 11:24 GMT-0000

Hi Sam!

This is very valuable accessibility report! Thanks!

We will see what we can do to improve accessibility experience for blind users like you. Can you please quickly give a hint what was done better (more usable) in 12.x compared to 14.x ?

luci



Torsten Fabricius 09 Jun 15 11:33 GMT-0000

Hello Sam,

I am an active community member since years and I am fully aware about the problems you are talking about.

Please add your thought and experience aswell to this page :

no javascript

Edit link: <https://dev.tiki.org/tiki-editpage.php?page=No Javascript>

I am just starting a project with a local self-aid network in cooperation with the local city council and accessibility is one part of upcoming requirements.

I am frequently trying to use text based browsers as LYNX in the Linux shell and the grafical Dillo browser. As I am not blind by myself I am very interested in the cooperation with blind and visually handicapped people.

Frank Guthausen and myself are additionally involved in a project where the customer focusses partially on legal rights activists who often avoid JavaScript for other reasons.

There are workaround to create better accessible websites, but the out of the box accessibility support of Tiki has sadly become very bad with the move to Twitter Bootstrap - I have to state that I supported the move to Twitter Bootstrap very much, but haven't realised the accessibility issues back then.

Most of the problems seem to be in the templates and we need to convince a number of relevant coders to develop graceful fallbacks for javascript or to better name and describe certain links in case of javascript could be usable with screen readers.

Another problem I see is that a lot of stuff is automatically loaded in Textbrowsers, which is not necessary in these environments. Even the amount of irrelevant html structure must make our Tiki nearly unusable for this use case. Please share your experience and help us to make Tiki better and accessible for all users.

Very good to have you here and thank you for bringing this up from your experience.

Are you registered for our developers and are you using IRC

Devlist: <https://lists.sourceforge.net/mailman/listinfo/tikiwiki-devel>

IRC: [#tikiwiki](irc://irc.freenode.net)

Best regards,
Torsten



lindon 10 Jun 15 02:04 GMT-0000

Hi Sam,

Thanks very much for the report. Where possible (like at the top of the page), the bootstrap dropdown method was used - sounds like this works for you.

However, within tables, this method didn't work because the dropdown would get cut off (due to use of the table-responsive class for the table - this class makes the table scrollable in case it is too wide). Therefore, for these, a jQuery popover method was used instead. Sounds like these are the dropdowns causing an issue.

For all of these new dropdowns, another css-based method is used as a fallback in case javascript isn't being used. But then it was necessary to not use the table-responsive class in tables in this case since the css menus would be cut off.

One idea: if the css-based dropdowns work for you (which you could test by turning off javascript), then perhaps a preference could be added to use the css-based dropdowns even when javascript is on (since it sounds like you would still like to use javascript). The tables would not be scrollable in that case, but perhaps that would still be a worthwhile trade-off.

Regards,
lindon



Sam Hartman 10 Jun 15 09:47 GMT-0000

Hi. When I turn off Javascript and reload site/blogs, I see no evidence of the css fallback. There's a link with an alt-text of actions, but clicking on it/doing something fails to get anything to happen.

However, I actually suspect that we can get the jquery code to work. The big problem seems to be that it's so aggressive about disappearing. If you'd be willing to help, what I'd like to try is to make a local patch so it never disappears at all, and see if I can then successfully select items in it. I realize that isn't something we'd ever want to commit. But then, if that works, I wonder if we could work on permitting the popover to stay around if focus enters the popover. What seems to be happening is that the code expects me to move the mouse into the popover and click. It turns out most of the ways of doing that from a screen reader actually tend to also move the dom focus there, which is presumably moving it away from the link that triggered the popover to pop open. That seems to be causing the popover to disappear before I can actually generate a click or an event. I apologize if I've got the terminology wrong in what I'm saying, and I may not be 100% sure of what's going on here.

I don't really know Javascript or PHP, but I know enough programming languages that I can follow the PHP and smarty templates somewhat and the javascript somewhat.



Jonny Bradley 10 Jun 15 10:05 GMT-0000

Hi Sam

Getting between JavaScript enabled and disabled is a bit of a pain as it's not something that's expected to happen in the same session. You need to delete all your cookies for the site, then make a new request (not reload the old one) after disabling JS and you should get the alternative behaviour.

I installed Chromevox and i can now also experience some of the issues you report - one thing seems to be we use a JS library to create *pretty* tooltips which remove the title attribute from the links, and then you get the description "internal link" which obviously isn't much help. I'm investigating an alternative.

The other thing, as you report, is there seems to be no way to navigate from the icon/link to the menu that's popped up with the keyboard (it does show up when the link gets the focus, so half way there) - i think this is a question of using these "aria" tags properly to indicate where the new "next" item is.

Thanks for your feedback, hopefully we can get Tiki 14/15 back to being usable for everyone again.



lindon 11 Jun 15 02:35 GMT-0000

"However, I actually suspect that we can get the jquery code to work....what I'd like to try is to make a local patch so it never disappears at all"

You're right, the jQuery can be adjusted in the smarty template that has the table with the action dropdown. For instance, in templates/tiki-adminusers.tpl for the user list. There is a standard line of code that is used to create the popup as follows:



```
{if $js === 'y'}{popup delay="0|2000" fullhtml="1" center=true
text=$smarty.capture.user_actions|escape:"javascript"|escape:"html"}{/if}
```

One fix would be to set the second number in the delay parameter to be higher. It is set at 2000 (delay="0|2000"), which is 2 seconds. You could set that for as long as you'd like, e.g. delay="0|60000" to show for one minute.

Another fix would be to add a trigger parameter set to click (trigger="click") or focus (trigger="focus"). You may want to delete the delay parameter in this case. For example:



```
{if $js === 'y'}{popup trigger="focus" fullhtml="1" center=true
text=$smarty.capture.user_actions|escape:"javascript"|escape:"html"}{/if}
```

You may need to clear caches in order for changes to take effect. Hope this helps for now.
Regards,

lindon



Sam Hartman 11 Jun 15 18:02 GMT-0000

Yeah, with the delay increased, the current popup is fine for me. I have to go find where the popup is rendered, but that's not hard. Some blind users might prefer automatic keyboard navigation, but something that was either not delay-based or that was with a significantly longer delay would be totally fine for me in terms of usability. Are there approaches that would be a better balance between a visually pleasing approach and accessibility that would be acceptable to the tiki community than a two-second delay?



lindon 12 Jun 15 00:43 GMT-0000

The file with the logic that renders the popup is at `lib/smarty_tiki/function.popup.php`.

Hover was used as the trigger in response to concerns that people didn't want to have to perform an extra click with the new dropdowns. How much of a delay works for you? Alternatively a preference could be added allowing the admin to set whether hover (with custom delay), click or focus is used for action dropdowns in tables.



Jonny Bradley>lindon 12 Jun 15 09:22 GMT-0000

Replied to
The file...

I think changing the delay will be fragile always, and for me (with Chromevox) the keyboard navigation opens up the menu fine when the wrench icon gets the focus, so the trigger is ok it think.

The problems i see are that the tooltip code removes the title attribute (so it's rendered as "internal link" only), and it's missing the aria-controls and/or aria-haspopup attributes so the screen-reader doesn't know where the navigation should go next.

I'm hoping there's a standard bootstrap way of doing this without having to edit all the templates this happens in... hopefully ;)



Torsten Fabricius>Jonny Bradley 12 Jun 15 09:39 GMT-0000

Replied to
I think...

When I tried Chromevox, I realised aswell, that ellipses and wrenches are rendered as "internal link" which is not really explaining what is behind in the menu.

I think we should sometimes try to close eyes and imagine how a website should be

structured for that we still have a chance to get an overview about the content.

T.



lindon>Jonny Bradley 12 Jun 15 22:43 GMT-0000

Replied to

I think... Agree Jonny, was just curious what delay seemed acceptable. Go for it Jonny!



luciash d' being 11 Jun 15 10:43 GMT-0000

Also developers see <http://getbootstrap.com/css/#helper-classes-screen-readers> (if you did not yet).

Attachments

| filename | created | hits | comment | version | filetype |
|----------|---------|------|---------|---------|----------|
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No attachments for this item

The original document is available at

<https://dev.tiki.org/item5682-Accessibility-14-x-pop-up-menus-impossible-for-blind-user-12-x-was-usable>