United Nation System Staff College (UNSSC)

Digital Accessibility Assessment Report

Hi
humanité
&inclusion

Table des matières

Introduction

Content of this assessment report

In September 2024 UNSSC entrusted Humanity and Inclusion (HI) to carry out a digital accessibility assessment of 7 pages of the UNSCC LMS Dashboard | The Blue Line (unssc.org) (https://playground.unssc.org/my) during the UAT phase of their LMSs codebase upgrade. This assessment included evaluating the main student interface and suggesting actionable feedback and necessary changes for the development finalization phase, and related only to the learner's interface as this is the one directly affected by their theme and custom functionalities. The assessment did not include materials and documents uploaded in the LMS (files, audiovisuals, e-pubs, external links, etc.).

The assessment was conducted by HI's digital accessibility experts and with the participation of a user with visual impairments.

This assessment report summarizes the methodology that was used for the exercise, the accessibility flaws identified, and the main recommendations addressed to UNSSC developers in order to improve the level of accessibility of the LMS in object.

Introduction – context of the request (extract from ToRs)

UNSCC has taken steps to improve the digital accessibility of their courses. The College has developed Learning Management Systems (or LMSs) designed for, and by, the UN via the software Moodle Workplace, which is currently in the process of being upgraded to WCAG 2.1 Level AA accreditation. UNSSC LMSs include the Blue Line (https://www.unssc.org/blue-line/) , a global learning hub. While the UNSSC strategic action plan currently does not refer to disability inclusion or twin track approach or intersectionality, it is currently being updated and this will be corrected.

All content on the Blue Line (https://www.unssc.org/blue-line/) meets basic accessibility requirements, thanks to a review process and the availability of internal guidance and SOP to support developers in meeting these basic criteria.

Specific background (extract from ToRs)

The UNSSC Learning Management System (LMSs) has a bespoke theme and 7 custom pages that can be accessed by learners. In order of access, these are:

1. Home page

2. Login page
3. Dashboard page
4. Catalogue page
5. My courses page
6. Course page (List and grid view)
7. Profile page

UNSSC aims at evaluating these pages as they deviate from the standard Moodle Workplace structure, functionality and theme. UNSSC LMS is, currently based on version 3.11.12 of Moodle Workplace, and it will upgrade to Moodle Workplace 4.11.1. This is a big upgrade from a user experience point of view as it will significantly improve the user interface. The upgrade will take place in the UNSSC non-production site, which is already populated with sample data. The upgrade will be performed by UNSSC ICT team in a similar fashion as for the production sites later. After the upgrade takes place, this team will do the platform set-up so that it fully resembles the desired production experience and provides access to internal users for testing. A walkthrough meeting will take place to onboard everyone participating in the User Acceptance Testing (UAT) phase, during which the objectives and desired outcomes will be explained.

Limitations

Please note that at the time of this accessibility assessment the LMS in object is not fully complete and that UNSSC developers are still working on it, modifying also structural elements.

In addition, during the kick-off meeting with UNSSC, HI has been asked not to assess the accessibility of every element of the 7 pages listed above, but to focus on specific elements and actions that were considered particularly relevant and that were not likely to be further modified. Therefore, it hasn't been possible to achieve one of the initial objectives proposed by HI in it's offer to UNSSC, that is to say determining the level of conformity of the pages in object with Level AA of the WCAG 2.1.

Adopted methodology

The accessibility assessment of the 7 above mentioned pages of UNSSC LMS has been conducted in two steps:

1. Step 1: Digital accessibility assessment by technical experts

HI experts conducted a remote digital accessibility assessment of the agreed elements of the 7 pages of the learners' interface, referring to the criteria of the Web Content Accessibility Guidelines (WCAG) 2.2. The assessment has been done using automated and manual testing, and it involved keyboard navigation, screen reading tools, colour contrast, etc. It has been done cross

browsers on a Windows based laptop/desktop only, and did not include smartphones, tablets or other devices.

2. Step 2: Accessibility testing by an end-user with visual disabilities

This second part of the assessment has taken the form of a non-moderated user test carried out by 1 end-user with visual impairments, and it helped to determine how easy it is to navigate the 7 pages or to perform actions like log-in, register, search, etc. Such exercise was fundamental to understand difficulties and barriers that learners with certain disabilities may experience when using the platform.

1 - Accessibility Report

Accessibility report is a document containing the elements of the xls grid, but in linear form. It's a summary, so you don't have to navigate through the document tab by tab.

Audit Context

Web Site URL: https://playground.unssc.org/ (https://playground.unssc.org/)

Date : 22/09/2024

Method and Tools used in evaluation:
- Wave accessibility checker,
- Paul J. Adam Bookmarks,
- NVDA,
- Color Contrast Analyzer (CCA),
- Manual Testing.

Environment: Windows 10, NVDA 2023.3, Firefox 127

Note :

> **When the header receives focus, it lands on the 'Dashboard' button. To access other header buttons, users have to press the left and right arrow keys.**
>
> **Although this does not fail any guidelines, to improve navigation, ensure all header buttons can be accessed using tab navigation, or provide a message when the 'Dashboard' button receives focus: 'To access the other buttons, press the left and right arrow keys.'**

Critical accessibility issue.

Home Page
url: https://playground.unssc.org/](https://playground.unssc.org/ (https://playground.unssc.org/]%28https://playground.unssc.org/)

Missing alt text

WCAG test: 1.1.1

The card behind The Blue line link, OCHA learn link and The Blue line link, Provide appropriate `alt` text for the images or mark them as decorative using `alt=""`.

Color contrast issue
WCAG test: 1.4.3

Choose your site heading does not meet the contrast ratio guideline of 4.5:1.

Unlabeled Form Fields
WCAG test: 1.3.5

It should be made more explanatory and prominent to ensure users understand its purpose clearly, such as labeling it "Close button."

Forgot Password Page
url: https://playground.unssc.org/login/forgot_password.php (https://playground.unssc.org/login/forgot_password.php)

Color contrast issue
WCAG test: 1.4.3

Search button under Search by username and search by Email, both search buttons does not meet the contrast ratio guideline of 4.5:1.

Login Page
url: https://playground.unssc.org/login/index.php (https://playground.unssc.org/login/index.php)

Color contrast issue
WCAG test: 1.4.3

The login button, "Forgot Password? Link", and 'cookie notice link' do not meet the contrast ratio guideline of 4.5:1.

Error Identification
WCAG test: 3.3.1

The error message is generic and does not provide specific details about the error. More descriptive error messages, such as 'Invalid username' or 'Invalid password,' would help users better understand the issue.

Dashboard

url: https://playground.unssc.org/my/ (https://playground.unssc.org/my/)

Color contrast issue

WCAG test: 1.4.3

Search button, Grid view button, add course link, view all link, lesson 2, 3, and 4 and email address at the bottom of the page does not meet the contrast ratio guideline of 4.5:1.

Main Navigation (Tab index – 1 issue)

WCAG test: 2.4.1

The links are accessible using the right and left arrow keys. This suggestion was noted in both the Word report and the Excel report. For better navigation, all the main navigation items/tabs can be brought in tab order.

Element does not receive focus

WCAG test: 2.4.1

All elements should be focusable using the keyboard. The Bookmark button is not in tab order and the course progress info icon, such as 6% complete or 100% complete is not properly readable with screen reader.

Unlabeled Form Fields

WCAG test: 1.3.5

The combo box next to the Filters button doesn't have an accessible name.

Course Catalogue

url: https://playground.unssc.org/local/unssc_coursecatalogue/?catalog_category=0&page=1&perpage=9&lpfilters= (https://playground.unssc.org/local/unssc%5c_coursecatalogue/?catalog%5c_category=0&page=1&perpage=9&lpfilters=)

Unlabeled Form Fields

WCAG test: 1.3.5

The combo box next to the grid view button and filter expand button are unlabeled.

Color contrast issue

WCAG test: 1.4.3

2 search buttons, All catalog button, Grid view button, Load more results button and page number button does not meet the contrast ratio guideline of 4.5:1.

My Learning
url: https://playground.unssc.org/my/courses.php#maincontent (https://playground.unssc.org/my/courses.php#maincontent)

Color contrast issue
WCAG test: 1.4.3

The search button and the course name link text do not meet the guideline criterion of a 4.5:1 contrast ratio.

Best Value for Money
url: https://playground.unssc.org/course/view.php?id=105 (https://playground.unssc.org/course/view.php?id=105)

Missing alt text
WCAG test: 1.1.1

The image under "We want to hear from you!" does not have alt text.

Color contrast issue
WCAG test: 1.4.3

Search button, Grid view button, Bookmark button, all link and text under "Course contacts" heading and all other link with light blue color as there link text does not meet the contrast ratio guideline of 4.5:1.

Ethics and Integrity in Procurement
url: https://playground.unssc.org/course/view.php?id=104 (https://playground.unssc.org/course/view.php?id=104)

Color contrast issue
WCAG test: 1.4.3

Search buttons and Procurement Training link does not meet the contrast ratio guideline of 4.5:1.

Focus order
WCAG test: 2.4.3

The focus is jumping from index to main content of the page and index is not accessible using tab navigation.

Profile Page
url: https://playground.unssc.org/user/profile.php#sb-5 (https://playground.unssc.org/user/profile.php#sb-5)

Missing alt text
WCAG test: 1.1.1

Images under Community Updates heading do not have an alt text.

Color contrast issue
WCAG test: 1.4.3

Search button, View button under Upcoming events heading, Download the mobile app button, download button under My Certificates heading and view all links does not meet the contrast ratio guideline of 4.5:1.

Less Critical Accessibility issue.

Home Page
url: https://playground.unssc.org/ (https://playground.unssc.org/)

Heading Hierarchy
WCAG test: 1.3.1

The "Choose Your Site" heading is marked as `<h4>`, but since it is the only heading on the page, it should be marked as `<h1>`.

Bypass block
WCAG test: 2.4.1

There is a 'Skip to Main Content' link on the page, but the focus does not shift anywhere. The screen reader only announces 'content region,' and upon tabbing again, the focus returns to the 'Skip to Main Content' link

Dashboard
url: https://playground.unssc.org/my/ (https://playground.unssc.org/my/)

Heading Hierarchy

WCAG test: 1.3.1

The heading hierarchy is broken, with an H5 appearing immediately after an `<h1>` on the page, Mark the headings in a hierarchical order from `<h1>` to `<h6>` without skipping levels, ensuring that `<h1>` is only used to convey the meaning or purpose of the page.

Course Catalogue

url: [https://playground.unssc.org/local/unssc_coursecatalogue/?catalog_category=0&page=1&perpage=9&lpfilters= (https://playground.unssc.org/local/unssc_coursecatalogue/?catalog_category=0&page=1&perpage=9&lpfilters=)](https://playground.unssc.org/local/unssc_coursecatalogue/?catalog_category=0&page=1&perpage=9&lpfilters=)

Reflow

WCAG test: 1.4.10

After zooming to 300%, the page starts to flow in two dimensions.

Best Value for Money

url: [https://playground.unssc.org/course/view.php?id=105 (https://playground.unssc.org/course/view.php?id=105)](https://playground.unssc.org/course/view.php?id=105)

Heading Hierarchy

WCAG test: 1.3.1

The heading hierarchy is broken, with an `<h3>` appearing immediately after an `<h1>` on the page.

Ethics and Integrity in Procurement

url: [https://playground.unssc.org/course/view.php?id=104 (https://playground.unssc.org/course/view.php?id=104)](https://playground.unssc.org/course/view.php?id=104)

Heading Hierarchy

WCAG test: 1.3.1

The heading hierarchy is broken, with an `<h3>` appearing immediately after an `<h1>` on the page

Profile Page

url: [https://playground.unssc.org/user/profile.php#sb-5 (https://playground.unssc.org/user/profile.php#sb-5)](https://playground.unssc.org/user/profile.php#sb-5)

Heading Hierarchy

WCAG test: 1.3.1

The heading hierarchy is broken; the first heading on the page is marked as <h6>, and <h1> to <h4> have not been used at all on the page.

Minor Accessibility Issue.

Home Page
url: https://playground.unssc.org/ (https://playground.unssc.org/)

Policies panel - modal content
WCAG test: 1.3.1

The box appears as a pop-up window, and all the links are accessible using Tab navigation, as well as the up and down arrow keys. They can also be activated with the spacebar. The section/topic can be given a heading style, although not critical

Course Catalogue
url: https://playground.unssc.org/local/unssc_coursecatalogue/?catalog_category=0&page=1&perpage=9&lpfilters= (https://playground.unssc.org/local/unssc_coursecatalogue/?catalog_category=0&page=1&perpage=9&lpfilters=)

Page Title
WCAG test: 2.4.2

The page does not have an appropriate title; it appears to be the same as the link of the page.

2 - User Test Report

User Test Report is a document that summarizes the difficulties encountered by people with disabilities.

Its testimony will help confirm errors identified during an audit, as well as pointing out problems that do not correspond to WCAG tests.

Tests Context

Test completion date: 27-Sep-2024
User technology proficiency: Intermediate

Actions

Home

Action 1
Result : Home Page This page is accessible. I am able to navigate with a keyboard. It has minimal information.

Login

Action 1
Description:
Access Login page and test Login Form

Result :
I was able to input the username and password without difficulty. Once I logged in, I got a message asking me to save the username and password but this message disappeared before I could act on it.

Action 2
Description:
Test Password forgotten (Form)

Result :

> **I entered the username and pressed lost password, I got an option to get password on my mail id, but it did not get processed.**

Note :
Could be a behaviour of the development website.

Courses

Action 1
Description:
Access Dashboard or My Learning (Both are present only on this test platform)

Result :

> **Able to navigate to Dashboard and My Learning tabs.**

Action 2
Description:
Access Course Catalogue (Landing page of a search) and Check different views/grid, list and carousel.

Result :

> **Able to view and navigate course catalogue and different views. Grid, list, carousel.**

Action 3
Description:
Access a Course Unit (Called "Best Value Unit")

Result :

> **Found course called "Best Value for money".**

Dashboard

Action 1
Description:
Add/Remove courses

Result :

> **Add Course is available from the Courses page.**
>
> **I was able to add a course though there is no audio confirmation when a course is added.**
>
> **Remove Course does not work consistently.**
>
> **Tabbing through the course information does not go to the Remove course from plan link, though this can be accessed via a mouse and there is a visual bookmark indicator.**
>
> **There is no audio confirmation that Course has been deleted**
>
> **The bookmark icon changes visually, but there is no audio feedback.**
>
> **We need to go back to Course page to remove Course and check if Course has been removed Inconsistent availability of Remove option.**
>
> **On repeated use, sometimes the remove option doesn't appear either as a button or link and does not work on the dashboard and I had to go to the add courses page and remove the files, another day it appears as a link and works.**

My Account

Action 1
Description:
Access My profile

Result :

> **Tabbing on Dashboard page reaches My account tab.After the search button, the next tab is read out as 'toggle messaging drawer graphic link'Account has Profile, Calendar, Private Files, Reports, Preferences, Log Out.**

Action 2
Description:

Access Preferences page (Only for users test)

Result :

> **Edit preferences- Added description easily**

Action 3
Description:

Access Notification Preference / Notifications are disturbing me. I would like to stop them.

Result :

> **Notification preferences- only check box to disable notifications is functional, which I can navigate with the tab key. The options under that can be accessed with the arrow keys, although they are not functional.**

Action 4
Description:

Change Password

Result :

Able to change password successfully. Changed to learnerhi123 and back to original one.

Scenarios

"My learning page" - I want to filter my course

Description:
I would like to find the list of completed courses.

Result :

I was able to view the list of completed courses.

I'm looking for a course with "Money" in the title

Description:
Someone told me about a course I have to follow, with the word "Money" in title.

Result :

I was able to find a course with Money in the title

I'm looking for a course with a specific theme

Description:
I'm not a UN employee, I'm looking for a Free course.

Result :

> **When navigating to the Filters section, I can navigate through the themes using the Tab key, but after the last option on the Themes section (Singing and playing), pressing tab goes directly to 'Clear all filters' instead of Type as I would expect.**
>
> **When someone told me that 'Type' occurs after Singing and Playing, then I was able to get to Type by pressing the Down arrow key but I would have missed this if I had not been told there was a category to expand. Even after navigating to type, there is no audio confirmation that category has been expanded, which could result in my missing this entirely.**
>
> **There are no audio cues of any operation being carried out at this point.**

I want to bookmark a course

Description:

I should have time next month, my manager told me to take advantage of this time for following some courses. I would like to bookmark some of them.

Result :

> **It is not clear if course bookmarking is different from adding a course to the learning plan. If it is different, I have not been able to figure out how to do it. I am able to bookmark activities and remove bookmarks from activities without any issue.**

I want to check my calendar

Description:

I subscribe some courses, I have to plan my week.

Result :

> **It is not clear if subscribing to courses is different from enrolling in them. Able to select a course and schedule an event for a specific date and time.**

I want to continue the course I left

Description:
I think, I left a course in the middle. Can I continue it, exactly where I stopped.

Result :

> **Yes, I am able to navigate to the course and continue from where I left off.**

I want to contact the site support

Description:
I'm blocked in the website. I have to contact the support team.

Result :

> **The contact site support link is very difficult to find using a screen reader.**
> **It currently pops up when tabbing to the 'Show footer' link and clicking on. This needs to be changed to have a separate link saying 'Contact Site Support'. When I tried to send an email to site support, the email could not be sent.**

Note :
See site support screenshot

Create and Amend learning plan

Description:

Create and amend my learning plan with courses starting in different dates in October and one which is half done.Reach out for help to solve issues.

Result :

> **Not clear how to create a learning plan – was not able to do this. When viewing learning plan from the dashboard, am not able to consistently remove courses.Under my learning plan- one day I get remove course from learning plan as a link which works, and one day**
>
> **I just get the message remove from plan, but it is neither a link, nor a button and doesn't work for a screen reader.**
>
> **Remove from plan is not intuitive as the user needs to hover over the bookmark icon to realise that it is the icon for remove from plan, which only works when the mouse is clicked.**

Receiving a certificate:

Description:

Access a certificate.

Result :

> **I was able to receive a certificate successfully.**

Activity bookmarks/stars

Description:

Bookmarking an activity.

Result :

> **I was able to bookmark an activity successfully.**

Overall comments

Menu and submenu items could have clearer descriptions e.g. 'Clickable user menu' to get to the profile, 'Toggle drawer options', 'Show Footer' all did not indicate underlying content.

Make the placement and functionality of content predictable and consistent – for example Adding and Removing a course from a plan should be similar in the way the functionality is accessed.

Buttons and Links should all be accessible via keyboard.

The homepage could benefit from providing an option to select user accessibility preferences such as high contrast, screen reader view etc., description of images such as web page logo and a clearer separation of foreground from background.

The learning plan is very confusing. When clicking on Learning plans from the Profile page I get shown the learning plans list page which saus no learning plans have been created yet. It is not clear how or where to create one or what happens to all the courses I have enrolled in, as they don't appear to get added to the learning plan.

3 - Recommendations Report

Presentation

Recommendations is a document designed for operational teams. Those in charge of developing a website.

The recommendations take a quality approach to code, with the aim of improving the code base that will make navigation uniform throughout the site.

Recommendations are written for inclusion in a bug tracking system.

Some blocks are missing because they are considered part of the Moddle code base.

Recommendations by pages

All pages

Color contrast
See the Accessibility Report about the color contrast and try to modify the Design System for applying change to the whole website.

Heading Hierarchy
See the Accessibility Report about the Heading Hierarchy and try to correct issues page by page.

Missing alt text
See the Accessibility Report about the missing alt text and try to correct issues page by page.

Home page

url: https://playground.unssc.org/ (https://playground.unssc.org/)

Skip links
The skip link is referencing "#maincontent". But the "id" "maincontent" is applying in an empty `<div>` which is called `"user-notification"` in "page-outer". So users are going to an empty area. The main content has been inserted in a `<section role="complementary">` region called `"block_unssctenantselector"`.

The focus on activating the skip link is jumping to the end of page. Correction is required here, the focus should be made to land on the main heading or main content which here seems to be "The

Blue line".

Recommendation :

The `id="maincontent` should be moved.

```
<section id="inst1194"
    class=" block_unssctenantselector block  card"
    `id="maincontent`
    data-block="unssctenantselector"
    data-instance-id="1194"
    aria-labelledby="instance-1194-header"
    >
</section>
```

Heading

There isn't any `<h1>` in the page. Only a `<h4>` heading is present. Headings are not explicit.

Recommendation :

The heading hierarchy has to be changed. We could have 2 titles, `<h1>` and `<h2>`. Eg. "Welcome in a our learning home page" and "Choose a learning website"

Main region

The `<section>` has an attribute `aria-labelledby="instance-1194-header"`. It's calling the title inside the `<h5>` tag. Is it the expected behavior ?.

```
<section id="inst1194"
    class=" block_unssctenantselector block  card"
    role="complementary"
    data-block="unssctenantselector"
    data-instance-id="1194"
    aria-labelledby="instance-1194-header"
    >
    <div id="instance-1194-header" class="card-header block-header">
        <h5 class="card-title d-inline-block pr-2 h3">Tenant selector</h5>
    </div>
</section>
```

Policies panel - links

"Continue" link is not an explicit text. The "closing link" contains the value : "X".

Recommendation :

"Continue" link must be renamed. The closing button content should have a label (ex. `aria-label="Close"`).

Policies panel - modal content

This panel contains some links that are opening a modal box.

The box appears as a pop-up window, and all the links are accessible using Tab Navigation, as well as the up and down arrow keys. They can also be activated with the spacebar. The section/topic can be given a heading style, although not critical.

Recommendation :

The modal's content is not well formated. Eg. Headings are missing.

Choosing Website Component - Images

Image tag is calling an "svg" images. Without image alternative text.

Recommendation :

Parameters should be added, as : `alt=""` and `role="image"`.

```
<img src="image.svg" alt="" role="image">
```

Choosing Website Component - Link

Text should better describe the purpose of a link.

The link's text should contain the name of the website linked. Add a text before the link with the description of the website.

Footer landmark

The `<footer>` landmark precise any `role`.

Recommendation :

The `<footer>` landmark should have a `role=contentinfo`.

Login page

url: https://playground.unssc.org/login/ (https://playground.unssc.org/login/)

Looking for a different Site

Text should better describe the purpose. "Change site" doesn't describe the action enough.

Recommendation :

The link text should be "Change e-learning website" or "Find another e-learning website"

Looking for a different Site - Dialog box

Users can select a button before validated the redirection in the dialog box. There is any vocal indication that the button is selected or not selected.

Recommendation :

Item should be selectable with a vocal feedback.

Main logo

The `<alt>` attribute value is "The blue line", whereas the text displayed in the logo is "United System Staff College".

Form - Identification Error

Recommendation :

Only one error message appears on the screen: 'Enter either username or email address,' even when the user inputs an incorrect email or username, The error message should be specific about the error to help users understand the exact issue.

On all "connected" pages

Main banner

The main banner is declared as a `<nav>`. It should be a `<header>`

Recommendation :

Change the `<nav>` container for a `<header>` container for the main banner.

Landmark

When navigating on the interface, any Landmark presents a label. Landmark should have a label for better navigation

Recommendation :

Add `aria-label` on landmark. Eg. `<nav aria-label='Main'>`.

Dashboard

url: https://playground.unssc.org/my/ (https://playground.unssc.org/my/)

Skip links visibility

Skip links navigation is hidden (when focused) by the header region.

Recommendation:

Modify the z-index of `.navbar .navbar-top` or `.sr-only-focusable:active, .sr-only-focusable:focus` in CSS code.

Skip links region

Skip links ("Skip to the main content") redirects the "Activity Bookmarks" block. All the blocks before are skipped.

The purpose of the skip link is to bypass a block of content, and where it lands should be the developer's choice. Currently, it lands on the 'Activity Bookmarks' heading, it can be changed to the 'Learning Plan' block.

Home link Logo

The "home" link redirects to the main page (Dashboard). It should be explicit.

Recommendation:

Rename the image `alt` with a better text (Eg. Home + Name of the website). Or ignore image and had a text in the link with a `class="sr-only"`.

```
<a href="https://playground.unssc.org/my/" class="navbar-brand d-none d-md-
flex align-items-center m-0 mr-3 p-0 aabtn">
    <img src="https://playground.unssc.org/pluginfile.php/1/tool_tenant/
headerlogo/5/un-logo.svg" class="logo mr-1" alt="" aria-hidden="true">
    <span class="sr-only">Home page</span>
</a>
```

Main Navigation

Links have a `tabindex=-1` attribute, except "Dashboard". All the other links, except "Dashboard", are ignored by a keyboard navigation.

The links are accessible using the right and left arrow keys. All the main navigation items/tabs can be brought in tab order.

Learning Plan Block - Filters

In the filter Dropdown menu, the language filter is not focusable.

{: .note } Filters are accessible but are changing dynamically the content of the courses area. If filters are too complicated to use, it is possible to hide them. But users will have to navigate in all their courses. It can be a choice for avoiding blind users to loosing time.

Recommendation:

Add a `tabindex=0` attribute on the `<div>` tag.

```
<div class="dropdown-header icons-collapse-expand list-group-item d-flex
align-items-center collapsed"
    data-toggle="collapse"
    data-target="#tags1"
    aria-expanded="false"
    aria-controls="tags1"
    tabindex="0"
>
    <span class="expanded-icon icon-no-margin">
        <i class="fa fa-chevron-down mr-2" aria-hidden="true"></i>
        <span class="sr-only">
            Collapse
        </span>
    </span>
    <span class="collapsed-icon icon-no-margin">
        <i class="fa fa-chevron-right mr-2" aria-hidden="true"></i>
        <span class="sr-only">
            Expand
        </span>
    </span>
    Language
</div>
```

Learning Plan Block - Live Update

The content of the block is dynamically updated when filters are activated. The update should be vocalized.

Recommendation :

An `aria-live` region should be added in the code for preventing users fromm seeing content is updated.

```
<div data-region="course_list" class="lp-courses-wrap p-3 position-
relative d-flex" aria-live="polite">
        <div class="nocourses text-center p-3 w-100 un-emptystate">
            <img class="icon " alt="" aria-hidden="true" src="https://
playground.unssc.org/theme/image.php/synergycustom/
block_learning_plan/1727084612/empty-state" />
            <h5>There are no courses to show</h5>
            <a href="https://playground.unssc.org/local/
unssc_coursecatalogue/" type="button" data-action="view-all-courses-
button" class="btn btn-sm btn-primary my-2">View catalogue</a>
```

```
        </div>
    </div>
```

Learning Plan Block - Bookmark Button

The "bookmark" button is not focusable.

All elements should be focusable using the keyboard. The Bookmark button is not in tab order and the course progress info icon, such as 6% complete or 100% complete, is not properly readable with a screen reader.

```
<span class="remove" data-courseid="12" data-toggle="tooltip" data-
placement="bottom" title="" data-original-title=" Add to learning plan"
tabindex="0">
    <i class="fa fa-bookmark-o " data-region="tick_learningplan"></i>
</span>
```

Previously accessed block - Show more items Button

When the "Show more items" Button is clicked, the focus is lost.

Recommendation :

Focus should be on the first new displayed item.

Ethics and Integrity in Procurement

url: https://playground.unssc.org/course/view.php?id=104 (https://playground.unssc.org/course/view.php?id=104)

Lesson block

NVDA (Windows/Firefox) doesn't read the text of the button for expanding the lesson content. `aria-label` is not read. "Narrator" reads text but don't inform anything about the state of the expandable zone.

The navigation in the index area can be improved. When one of the Index item is moved to using Screen Reader, the focus jumps to main content whereas the user should be able to navigate to other Index items with Tab key and press Enter to activate it. The expand/collapse can not be done currently because of this focus jumping issue.

"Mark as done" button and Bookmark button

Any action button indicates a feedback after being triggered.

The status of the buttons changes, but because the screen reader focus moves to the top of the

page on pressing Spacebar or Enter key, the user is not getting confirmation of the action. The improvement required is that the screen reader focus should remain on the bookmark or done button when it is activated.

Recommendation :
Creating an `alert` zone when a button is triggered. The action should be validated (in a dialog box) in the best case.

Moodle Privacy Policy page

url: https://playground.unssc.org/admin/tool/policy/view.php?versionid=3&returnurl=https%3A%2F%2Fplayground.unssc.org%2Fadmin%2Ftool%2Fpolicy%2Findex.php (https://playground.unssc.org/admin/tool/policy/view.php?versionid=3&returnurl=https%3A%2F%2Fplayground.unssc.org%2Fadmin%2Ftool%2Fpolicy%2Findex.php)

Validation
Any link in the header is functional, user is blocked if policies are not validated. Validation `<button>` are at the bottom of the page. A user may not understand he has to go at the bottom of the page validating Policies.

Recommendation :
One option is to put buttons on the top. An other option is to rename the page. Eg. "Validate the Moodle Privacy Policy".