

Ally – Accessibility Testing Tool





“Ally” is a tool which scans the webpage & identifies accessibility issues; related to non-functional code by listing them in a user friendly manner; thus minimizing manual efforts spent during Accessibility testing



Extensive Coverage

Inclusive of a wide set of test cases covering

- WCAG 2.0
- Section 508
- Best practices recommended by accessibility experts



Security

- Tool architecture prevents the data from being shared outside the network
- Does not rely on a Third Party API
- Can also work in offline mode



Guidelines / Recommendations

Provides precise recommendations to remediate highlighted issue & corresponding WCAG guideline



Open source



User friendly



Documentation

Provision to download an 'Excel' report of highlighted issues



Inspect Feature

Inspect elements via developer toolbar facilitating in understanding the issues on the Web Page itself

"Ally" tool can be installed to the Web-Browser in 3 ways:

Option 1



Via : .crx file (Ally_crx.zip)

1. Go to chrome address bar & type - **"chrome://extensions/"**
2. Extract the attached zip file & drop the file **"Ally.crx"** inside extension window
3. Accessibility Testing Tool icon will be available in **browser toolbar at the top**
4. Open any html page in browser window & open **"Ally" tab in developer tools** then click on **"Analyze"** button

Option 2



Via : src files (Ally_src.zip)

1. Extract attached zip file
2. Go to chrome address bar & type > **"chrome://extensions/"**
3. Check the **"Developer Mode"** checkbox & choose **"Load unpacked extension"**
4. Provide extracted path of **"Ally"** folder
5. Accessibility Testing Tool icon will be available in **browser toolbar at the top**
6. Open any html page in browser window & open **"Ally" tab in developer tools** then click on **"Analyze"** button

Option 3



Via Ally SDK (Ally_src.zip)

1. Extract attached zip file
2. Extract the attached zip file to the root folder of your development workspace
3. Add following script tag in your html file just before closing **"body"** tag
4. Open html page in browser window & you can see **"Ally" at bottom of browser window**

How to Use – Step 1 – Click on the ‘Analyze’ Button



Discover Personal Loans - No Up: x +

https://www.discover.com/personal-loans/

Apps A Career in Web Desi SiteCat DFS Upload Diners Club DataPoin DFS Remote Access Smart Track xCHANG OAO Device Tracker EBOOK4IN | DOWNL Google Code Archive English Songs playlist

DISCOVER All Products Application status Respond to Invitation Contact Us Search Login

Personal Loans Home Loan Calculators Loan Uses Resources Check Your Rate

Personal Loans from Discover

We don't just lend money.
We lend a hand.

Personal loans up to \$35,000

How much do you need?

What is this for?

Respond to invitation

Feedback

Elements Console Sources Network Performance Memory Application Security Audits Ally

Ally Medium A A

Click Here

Please click the "Analyze" button to run accessibility testing for this page.

Introduction:

We have developed an 'Ally Tool' which scans the Webpage code and helps to identify the Accessibility issues. It provides a quick and easy way to identify non-functional code related Accessibility issues.

While automated accessibility testing tool provide a quick, easy way of assessing websites for accessibility compliance, with caution and automation should only be a part of overall accessibility testing process.

Version: 1.0

Features:

- A wide range of issues existing in the page, are highlighted and explained in simple words.
- Tool covers categories which are a must to achieve from Accessibility perspective.
- Tool provides 'Recommendations' to follow, based on the issues highlighted, in order to make your page Accessible.
- Allows you to inspect the 'Issues' in the Developer toolbar which makes it easier for users to understand, allows them to study the issues then and there. Also, it involves lesser user interactions.
- Provide detailed 'Guidelines' as well, for better understanding of Accessibility.
- Allows you to download an 'Excel' report which lists all the issues highlighted in the page. This can help you to keep a track of ADA testing for your future reference.
- You can have multiple versions as well, for the 'Excel' report, based on your rounds of testing.
- Current version Ally 1.0, is compatible with Chrome- Desktop.

Windows taskbar: 1:52 PM 5/23/2019

How to Use – Step 2 – Accessibility Results



DISCOVER All Products ▾ Application status Respond to Invitation Contact Us Search Login

Personal Loans Home Loan Calculators ▾ Loan Uses ▾ Resources ▾ **Check Your Rate**

Personal Loans from Discover

We don't just lend money.
We lend a hand.

No processing fees | Flexible repayment terms

Personal loans up to \$35,000

How much do you need?

What is this for? ▾

Respond to invitation >

Check Your Rate

Feedback

Conformance Levels

Text Re-sizing Feature

Issue Stats

Total Issues: 266 Errors: 124 Warnings: 142

EXPORT

Report Download Feature

List of Accessibility Issues

Input type="hidden" name="loanA... | Input field within the form tag is no...

Input type="hidden" name="loanUs... | Input field within the form tag is no...

LINKS 94

MARKUP 44

NAVIGATION 10

TABLE 34

RECOMMENDATION

Ensure that input fields inside form tag are associated with unique label using for-id attribute. 'Id' for the input field must match with the label's 'for' attribute.

ELEMENT SOURCE

```
<input type="hidden" name="loanAmount" id="loanAmount" value="">
```

ELEMENT XPATH

```
/HTML[1]/BODY[1]/DIV[1]/DIV[1]/DIV[2]/DIV[1]/DIV[2]/DIV[1]/DIV[1]/DIV[1]/DIV[2]/DIV[1]/DIV[1]/DIV[1]/FORM[1]/DIV[1]/INPUT[3]
```

Developer Comment

Add your comment here...

Code Targeting Feature

WCAG CRITERIA

1.3.1

GUIDELINES

Form: Input

For input elements of type 'image', the alt attribute of the input element is used to provide a functional label. This label indicates the button's function, but does not attempt to describe the image. The label is especially important if there are multiple submit buttons on the page that each lead to different results.

The label element is not used for the following because labels for these elements are provided via the value attribute (for Submit and Reset buttons), the alt attribute (for image buttons), or element content itself (button).




- Submit and Reset buttons (input type='submit' or input type='reset')
- Image buttons (input type='image')
- Hidden input fields (input type='hidden')
- Script buttons (button elements or <input type='button'>)



Cognizant

Error

Warning

Features		 TENON	
Guidelines Coverage (%)	60-70%	55-70%	45-55%
Cost	Open source	Paid (\$495 / month for 30 users – 30k API Calls)	Open source
Secured	<ul style="list-style-type: none"> Secured Tool Data is not shared outside the network 	Data is shared as it uses server side scripting	Secured
Conformance Level (A, AA & AAA) wise segregation	User can select conformance level & generate the report accordingly	Not Available	Not Available
Report Generation	User can download report in excel (.xlsx) format	Not Available	Not Available
Text Re-sizing	User can resize text from 55% - 150%	Not Available	Not Available
Categorization of issues	Issues are categorized in 9 odd categories like color, images, content, links, navigation etc.	Not Available	Not Available

Name	Role
Harsh Pandey	Developer
Akshay Kalaskar	Developer
Amit Sasane	Sr. Developer
Ketan Bengali	Sr. Architect / Ax Consultant
Sameet Soman	Pune Design Lead (User Experience)



THE END

