

A11y

It is not a bug,

definitely a feature



Who is ~~Loana~~ Ioana Chiorean?

I am a PM (former QA TL) & CL

Mozillian for more than 9 years now

I volunteer - Mozilla & EU Code Week.

I worked on devices for more than 10y.



Twitter [@ioana_cis](#)

*lifeofamozillian*



“All people over the course of their lives traffic between times of relative independence and dependence”

Sarah Hendren

1 billion

some form of disability



ioana 🧑🏻💻 🐱 ✨
@ioana_cis



Hey @esconfs I guess no one tested the accessibility of the page, right?

	1 Day Ticket (General Admission)	2.5 Day Ticket	3 Day Ticket (General Admission)	4 Day Ticket (General Admission)	5 Day Ticket
PRICING	€865	€1850	€2030	€2030	€2310
MON	✓		✓		✓
TUE (AM)	✓		✓	✓	✓
TUE (PM)	✓	✓	✓	✓	✓

“It’s possible to fly without
motors, but not without
knowledge and skill.”



Wilbur Wright

What?

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- Cognitive disability - Learning Difficulties or Poor Memory or not able to understand more complex scenarios

What?

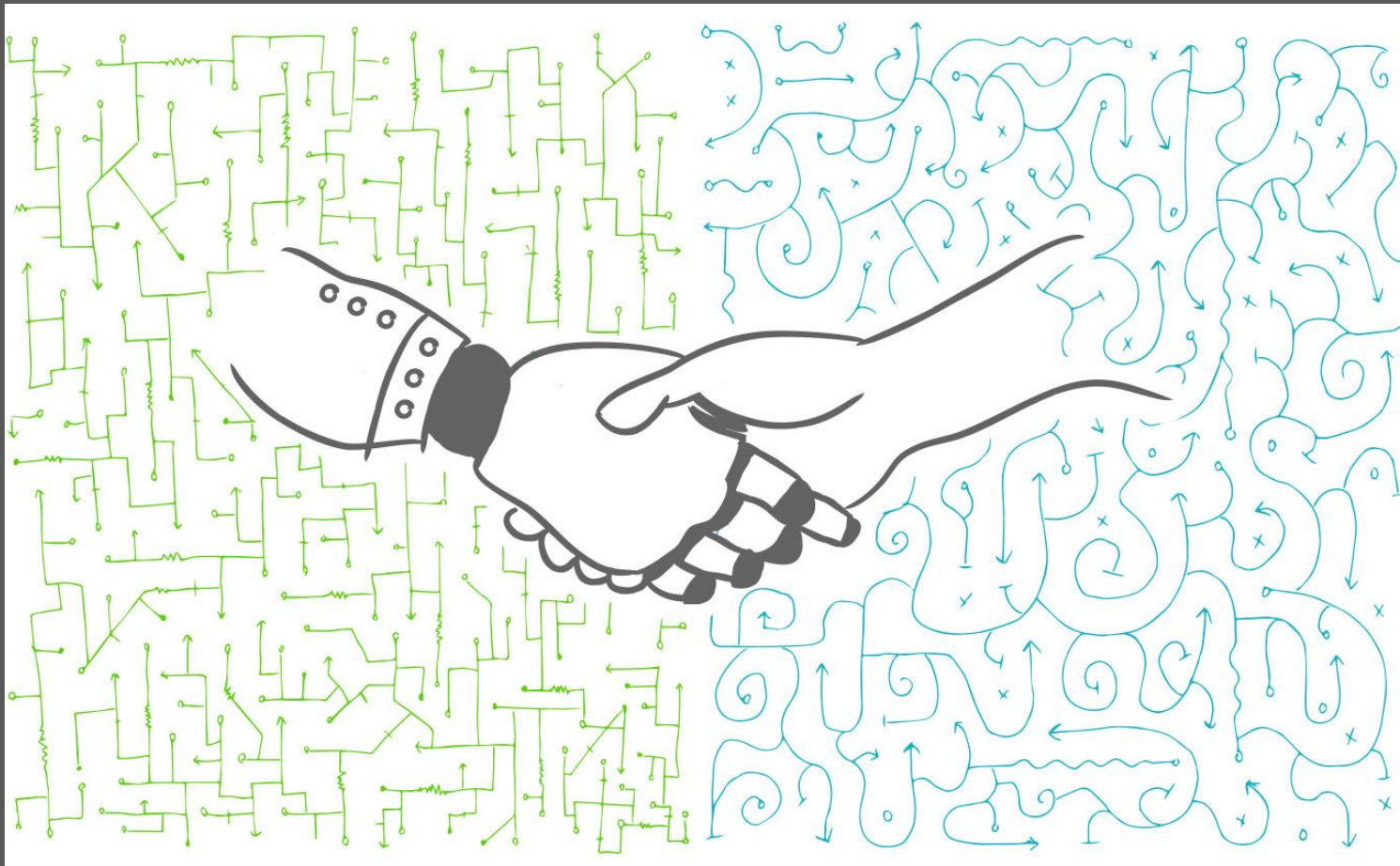
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- Literacy Disability - Reading Problems

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- Literacy Disability - Reading Problems
- Hearing Disability - Auditory problems like deafness and hearing impairments; Cannot able to hear or not able to hear clearly

The web is for all
people







Why..

→ People 


Why..

- People 
- Regulations


Why..

- People 
- Regulations
- Users - data sets
 - ◆ You do have them, trust me
 - ◆ New ones

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Why..

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 - ◆ You do have them, trust me
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- No ROI / No money, honey
- Doing favors vs doing your job

Accessibility audits



How

- DevTools Audits
- [Color Contrast](#)
- [Patterns & Colors](#)
- [Typography](#)
- [Animations](#)
- [Semantic](#) - elements in order/a11y tree/ Page structure/ Menu nav & list
- Alt input - links, images, etc



New
Firefox



Multiline editor mode



Accessibility audits

Detect common accessibility problems.

Firstname

Lastname

entry

- ⚠ Focusable element may be missing focus styling.
- 🚫 Form elements must be labeled.

Inspector Console Accessibility >> Turn Off Accessibility Features beta Check for issues: All Issues ⚙

Role	Name
pushbutton:	"↩"
statictext:	"↩"
pushbutton:	"Multiline editor mode ↩"
statictext:	"↩"
text leaf:	"Firstname"
entry:	""
text leaf:	"Lastname"
entry:	""
pushbutton:	"Submit"

▼ Checks

Keyboard

Focusable element may be missing focus styling. [Learn more](#)

▼ Properties

name: "↩"

role: "pushbutton"

▶ actions: [...]

value: ""

DOMNode: button#previous ⚙

description: ""

keyboardShortcut: ""

childCount: 1

indexInParent: 1



New
f...



Multiline editor mode



Accessibility audits

Detect common accessibility problems.

Firstname

Lastname

Submit

text leaf | "Lastname"
Contrast (large text): 1.71

Role	Name
pushbutton:	"↵" keyboard
statictext:	"↵" keyboard
pushbutton:	"Multiline editor mode →" keyboard
statictext:	"→" keyboard
text leaf:	"Firstname" contrast
entry:	"" keyboard text label
text leaf:	"Lastname" contrast
entry:	"" keyboard Does not meet WCAG stand
pushbutton:	"Submit" keyboard

Checks

- Keyboard**
 - ⚠ Focusable element may be missing focus styling. [Learn more](#)

Properties

- name: "↵"
- role: "pushbutton"
- actions: [...]
- value: ""
- DOMNode: button#previous
- description: ""
- keyboardShortcut: ""
- childCount: 1
- indexInParent: 1



New
f...



Multiline editor mode



Accessibility audits

Detect common accessibility problems.

text leaf "Firstname"

Contrast (large text): 13.50 AAA ✓

Firstname

Lastname

Submit

Inspector Console Accessibility >>

Turn Off Accessibility Features beta Check for issues: None ⚙

Role	Name
including:	Accessibility audits
▶ paragraph:	""
▼ form:	""
▼ text container:	""
text leaf:	"Firstname"
entry:	"" keyboard text label
▼ text container:	""
text leaf:	"Lastname"
entry:	"" keyboard text label
▶ pushbutton:	"Submit" keyboard
▶ landmark:	""

▶ Checks

▼ Properties

name: "Lastname"

role: "text leaf"

▶ actions: []

value: ""

DOMNode: #text

description: ""

keyboardShortcut: ""

childCount: 0

indexInParent: 0

▶ states: [...]

▶ relations: {...}

▶ attributes: {...}

Tools

- Close your eyes and try to navigate
- DevTools
 - ◆ Color Checks /Typograpgy
- JAWS, Orca, Voice Over.
- [Lighthouse](#)
- [Wave](#)
- [Total1y](#)
- My ex:
 - ◆ 3 different OS + mobile => 4
 - ◆ 2 browsers + mobile => 3
 - ◆ Different Machines / Monitors

Don't be the sheep!

Be the ~~wolf~~ fox!



[Photo credit.](#)



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<http://bit.ly/A11yMTSAms>

*“The power of the Web is in its universality.
Access by everyone regardless of disability is an
essential aspect.”*



Tim Berners-Lee,
W3C Director and inventor
of the World Wide Web