HTML AND ACCESSIBILITY

HELLO!

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- 7 years as a web developer (Python, Ruby, React)
- MSc HCIT at York University

THE WEB IS FOR EVERYONE

EVERYONE NEEDS TO USE THE WEB

HTML IS THE KEY

- Accessible out of the box
- Browsers know what they’re doing
- With no HTML, there is no web
- HTML is easy to break

@kitation

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Headlines

Thursday
18 January 2018

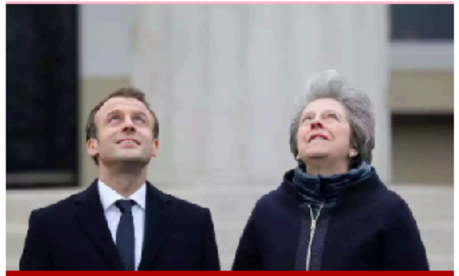
Now 3°C

21:00	00:00	03:00
3°C	2°C	2°C

Sheffield

Exclusive / Sexual harassment and assault rife at United Nations, staff claim

Guardian investigation points to culture of impunity as UN employees allege offences including rape



Live / May and Macron to hold press conference at summit

3,698

'I wasn't brainwashed' / Dylan

HMP Nottingham / Action demanded to prevent more deaths

European storms / Deadly gales halt trains and flights

Grenfell Tower fire /

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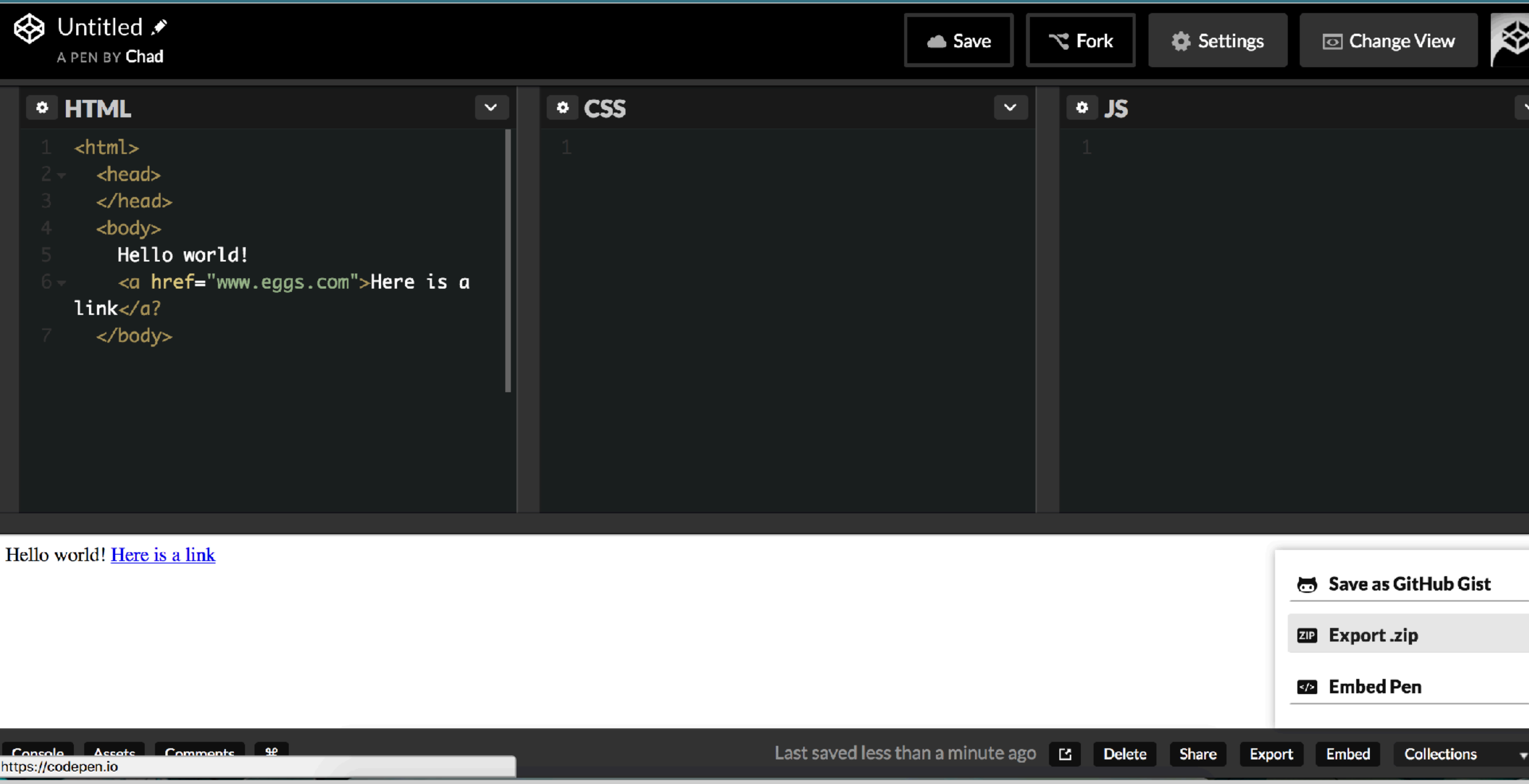
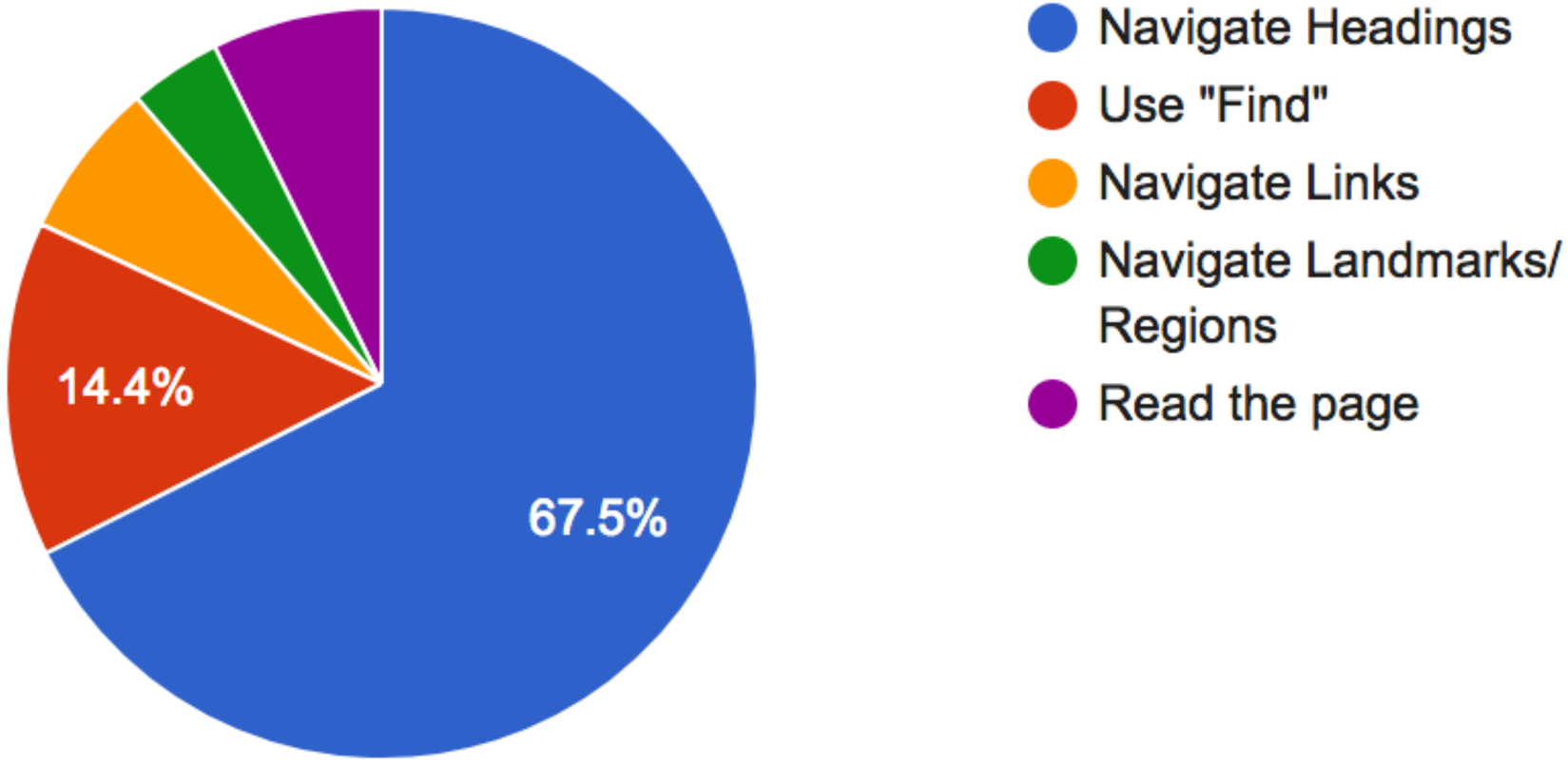

Untitled
A PEN BY Chad
Save
Fork
Settings
Change View
HTML
CSS
JS
<html>
<head>
</head>
<body>
Hello world!
<a href="www.eggs.com">Here is a link</a?
</body>
Hello world! Here is a link
Save as GitHub Gist
Export .zip
Embed Pen
Console
Assets
Comments
Last saved less than a minute ago
Delete
Share
Export
Embed
Collections
https://codepen.io

Pie chart of methods for finding information on a lengthy web page



My book about HTML **1**
Headings **1**
Divs **1**
Why we can just use these 1
Links **1**
Or buttons? 1
Images as links 1

My book about HTML 1
Headings 1

Divs 1
Why we can just use these 1
Links 1
Or buttons? 1
Images as links 1

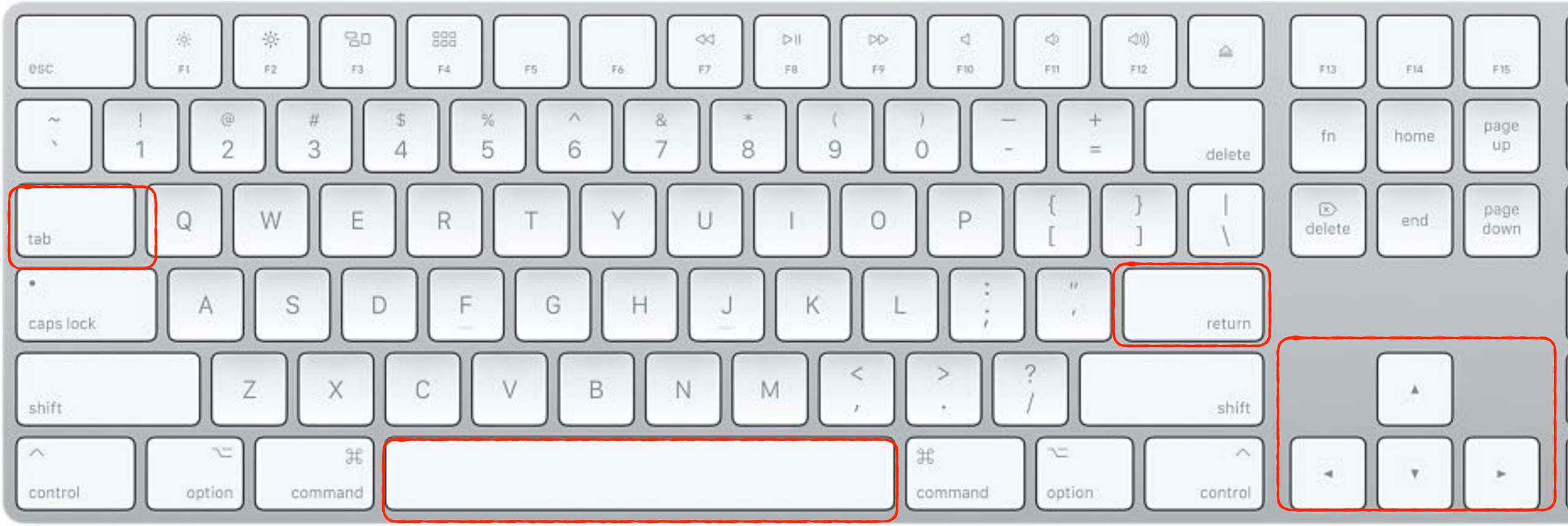
HEADINGS

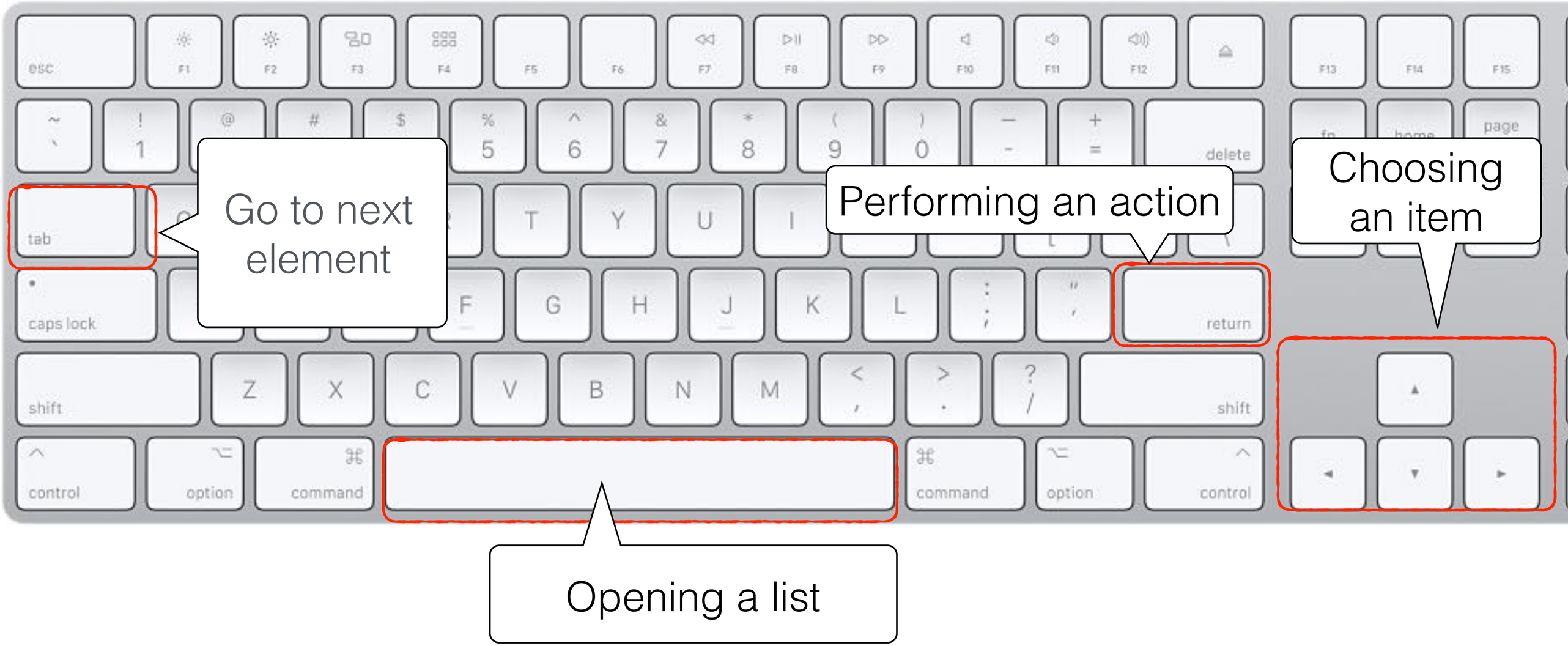
- Always keep them in semantic order
- Only 1 H1, ideally with the document title
- Don’t use them for styling
- Think about them as landmarks

@kitation

esc
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
F11
F12
F13
F14
F15
~ `
! 1
@ 2
# 3
$ 4
% 5
^ 6
& 7
* 8
(9
) 0
_ -
+ =
delete
fn
home
page up
tab
Q
W
E
R
T
Y
U
I
O
P
{ [
}]
| \
delete
end
page down
caps lock
A
S
D
F
G
H
J
K
L
: ;
" '
return
shift
Z
X
C
V
B
N
M
< ,
> .
? /
shift
control
option
command
command
option
control

@kitation


esc
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
F11
F12
F13
F14
F15
~ `
! 1
@ 2
# 3
$ 4
% 5
^ 6
& 7
* 8
(9
) 0
_ -
+ =
delete
fn
home
page up
tab
Q
W
E
R
T
Y
U
I
O
P
{ [
}]
| \
delete
end
page down
caps lock
A
S
D
F
G
H
J
K
L
: ;
" '
return
shift
Z
X
C
V
B
N
M
< ,
> .
? /
shift
control
option
command
command
option
control


Go to next element
Performing an action
Choosing an item
Opening a list
tab
return
shift
control
option
command
delete

FOCUS

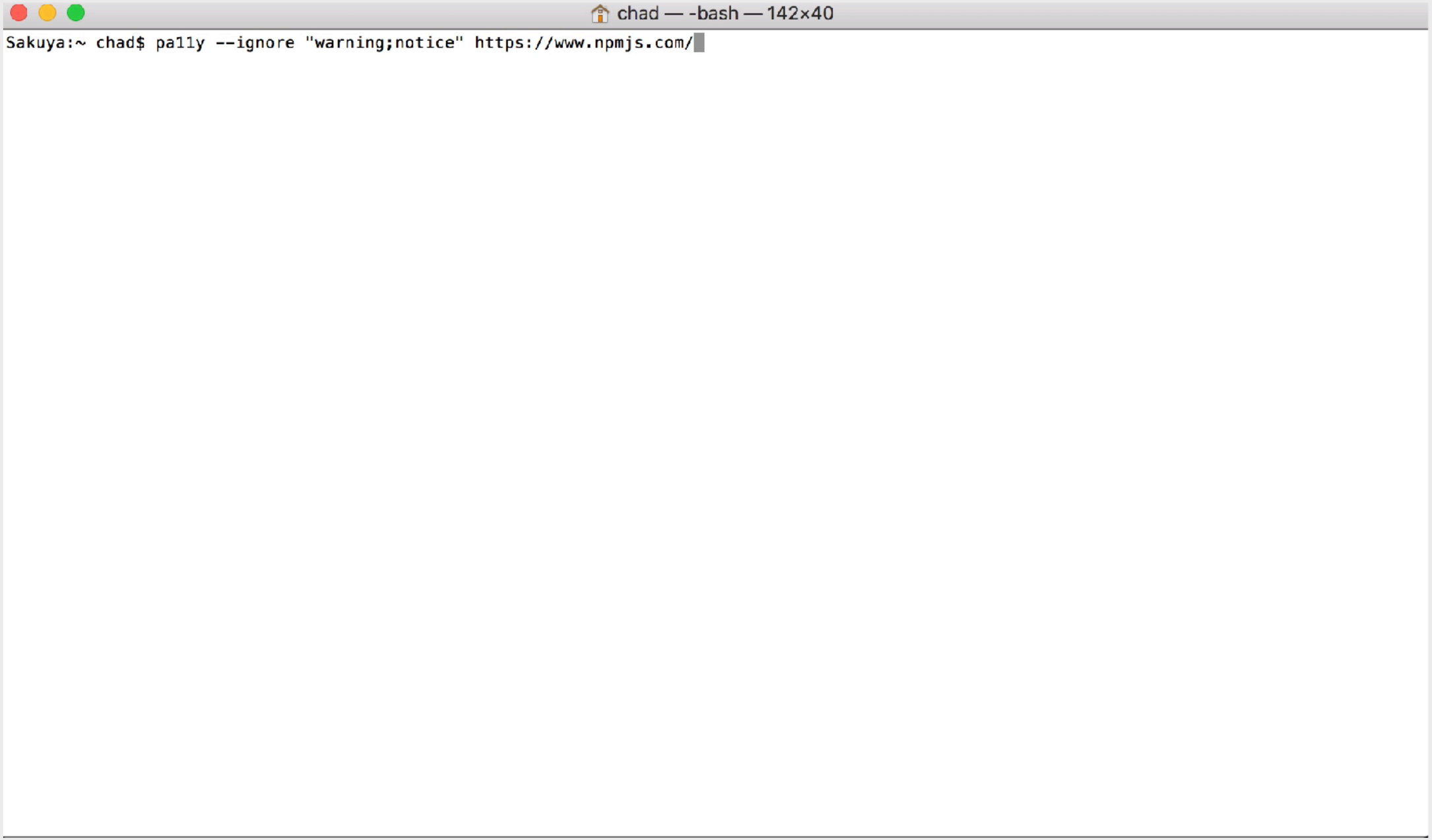
Focus

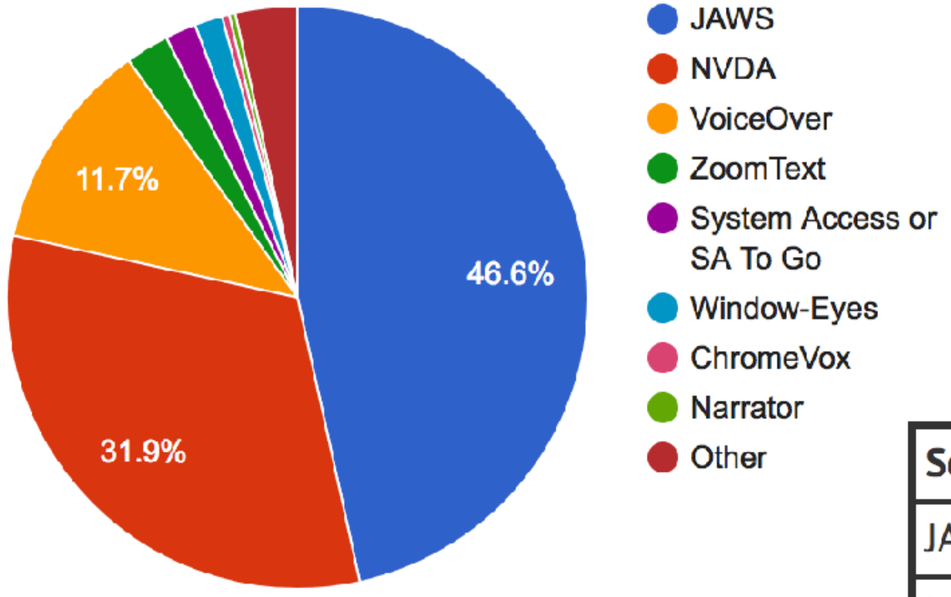
- Form elements, buttons, links that do not have a disabled attribute
- Links MUST have a href
- Focus order is top to bottom of the HTML
- tabIndex="0" / tabIndex="-1"

DESCRIPTIVE LINKS

- All links should be descriptive
- No more lists of “Read more!”
- Images should have alt text
- Use alt=“” to hide it from the screenreader

@kitation https://github.com/pa11y/pa11y





Screen Reader & Browser	# of Respondents	% of Respondents
JAWS with Internet Explorer	424	24.7%
NVDA with Firefox	405	23.6%
JAWS with Firefox	260	15.1%
VoiceOver with Safari	172	10.0%
JAWS with Chrome	112	6.5%
NVDA with Chrome	102	5.9%
NVDA with IE	40	2.3%
VoiceOver with Chrome	24	1.4%
Other combinations	180	10.5%

I NEED TO DO WHAT NOW?

- Add screenreader to your list for cross-browser testing
- Check out tools
- Pick up HTML errors at code review