

Ridiculously

E
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S
Y

Layouts

with

Flexbox

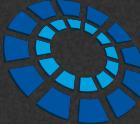
<https://github.com/ecarlisle/Easy-Layouts-with-Flexbox>

Eric Carlisle

@eric_carlisle

me, myself, and i

who? Eric Carlisle

what? UI / UX Geek @  LOOKING GLASS

where? Baltimore, MD

how?



JOHNS HOPKINS
UNIVERSITY



DUKE
ENERGY®

what the flex is a flexbox?

A CSS layout mode.

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Flexible space allocation relationships between parent & child elements.

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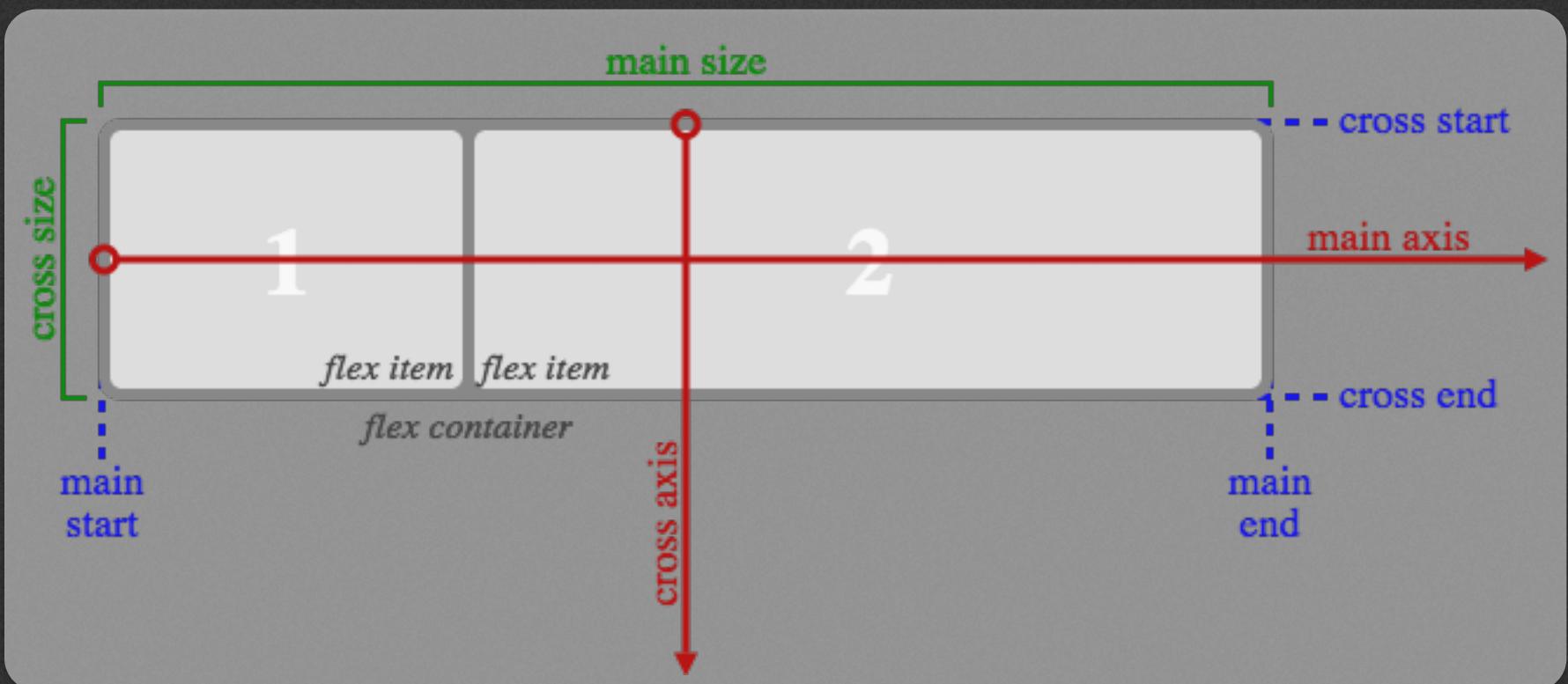
Multi-axis – elements stack horizontally or vertically!

Let's see that, shall we?

what the flex is a flexbox?

Core Concepts:

- There is always a main & cross axis.
- Each have a start, end, and size.
- Axis direction depends on flex-direction property.



general benefits?

- W3C Standard! No libraries needed!
- Once you grok it, it's amazingly easy.
- Opportunity for tremendous creativity.

layout benefits?

- Gets us away from countless floats and clears!
- Override source order with CSS!
- Vertical positioning without hacks!
- Equal heights (e.g. columns)

layout-benefits?

- Elements “flex” to fit available space.
- Custom responsive layouts can be a cakewalk!
- More opportunity for the semantic.

final results?



PURE AWESOMENESS!

what's the rub?

There's been some history.

```
/* 2009 initial version */  
display: box;
```

```
/* 2011-12 “tweener” version */  
display: flexbox;
```

```
/* Present day */  
display: flex;
```



what's the rub?

“Holy Browser Prefixes, Batman!”

```
/* Webkit */
display: "-webkit-flex";

/* Mozilla */
display: "-moz-flex;

/* IE10 */
display: "-ms-flexbox";

/* IE11 */
display: "-ms-flex";

/* W3C */
display: "flex"
```



what's the rub?

"Holy Browser Prefixes, Batman!"

Recommended Approach:

```
/* Webkit */  
display: "-webkit-flex";
```

Use Preprocessor Mixins!

```
/* Mozilla */  
display: "-moz-flex";
```

```
/* IE10 */
```



```
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```

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/* IE11 */
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display: "-ms-flex";
```

(For this presentation, I'll use FireFox Developer Edition)

```
display: "flex"
```



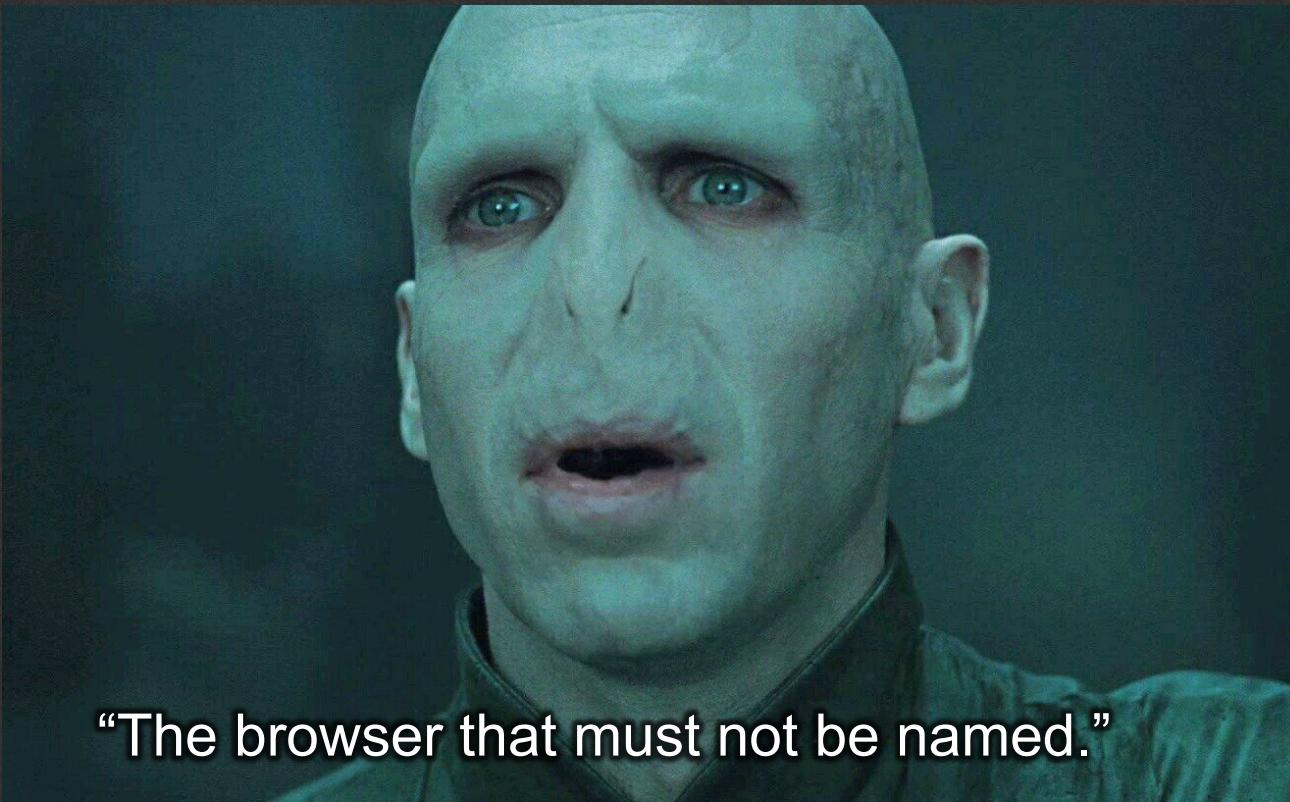
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Guess!

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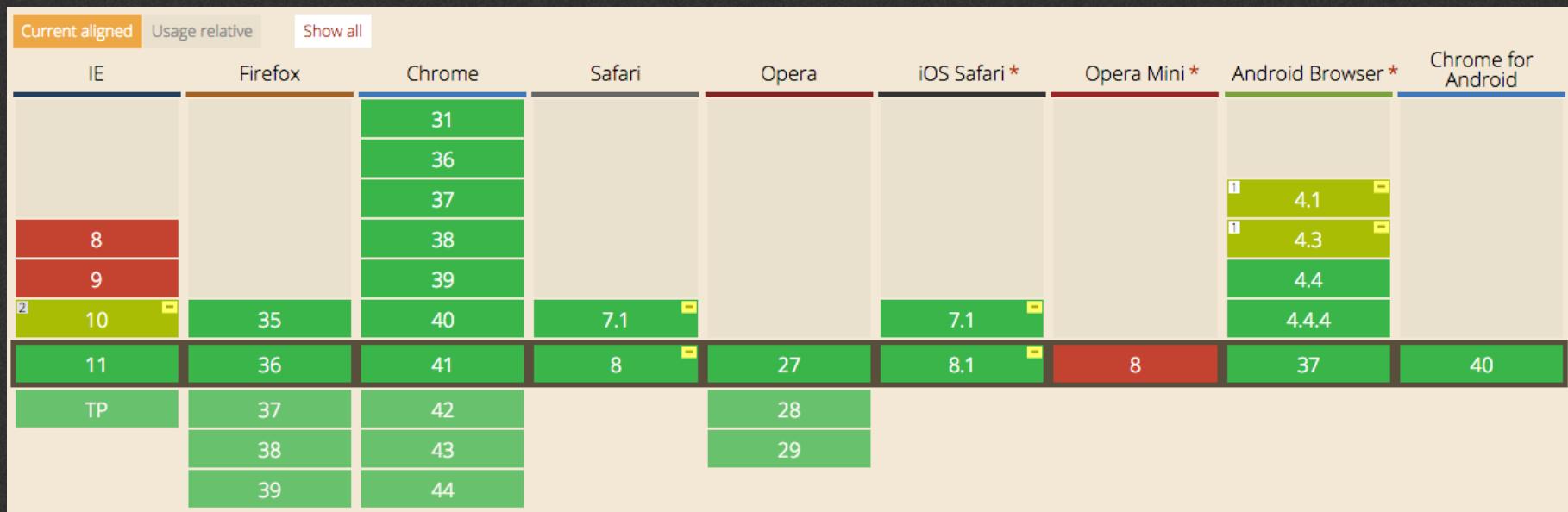
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“The browser that must not be named.”

what's the rub?

But in All Fairness...



<http://caniuse.com/#feat=flexbox>

- Clear-ish support across the board
- IE10 supports the 2012 version (as per current spec)
- Most current browsers still have flexbox “personality”

what's the rub?

OK, not so bad, right?



“See, I’m not such a bad guy after all!”

what's the rub?

It's not exactly done done done yet.

Editor's Draft – March 2nd, 2015

<http://dev.w3.org/csswg/css-flexbox/>

Last Call Working Draft – September 25th 2014

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“Standards are Paper.”

-- Linus Torvalds

Parents & Children

Parent Properties

display: Flex or flex-inline?

flex-direction: Row? Column? Which way?

flex-wrap: Line break? Which way?

Justify-content: Space allocation of the stretch?

Align-items: Alignment on main axis?

Align-content: Align wrapped content on the cross axis?

Child Properties

order: Source order or something else?

flex-grow: Remaining space allocation on growth?

flex-shrink: Remaining space allocation on shrink?

flex-basis: What is the “remaining” space?

align-self: Do I really want to align that way?

Q/A

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