

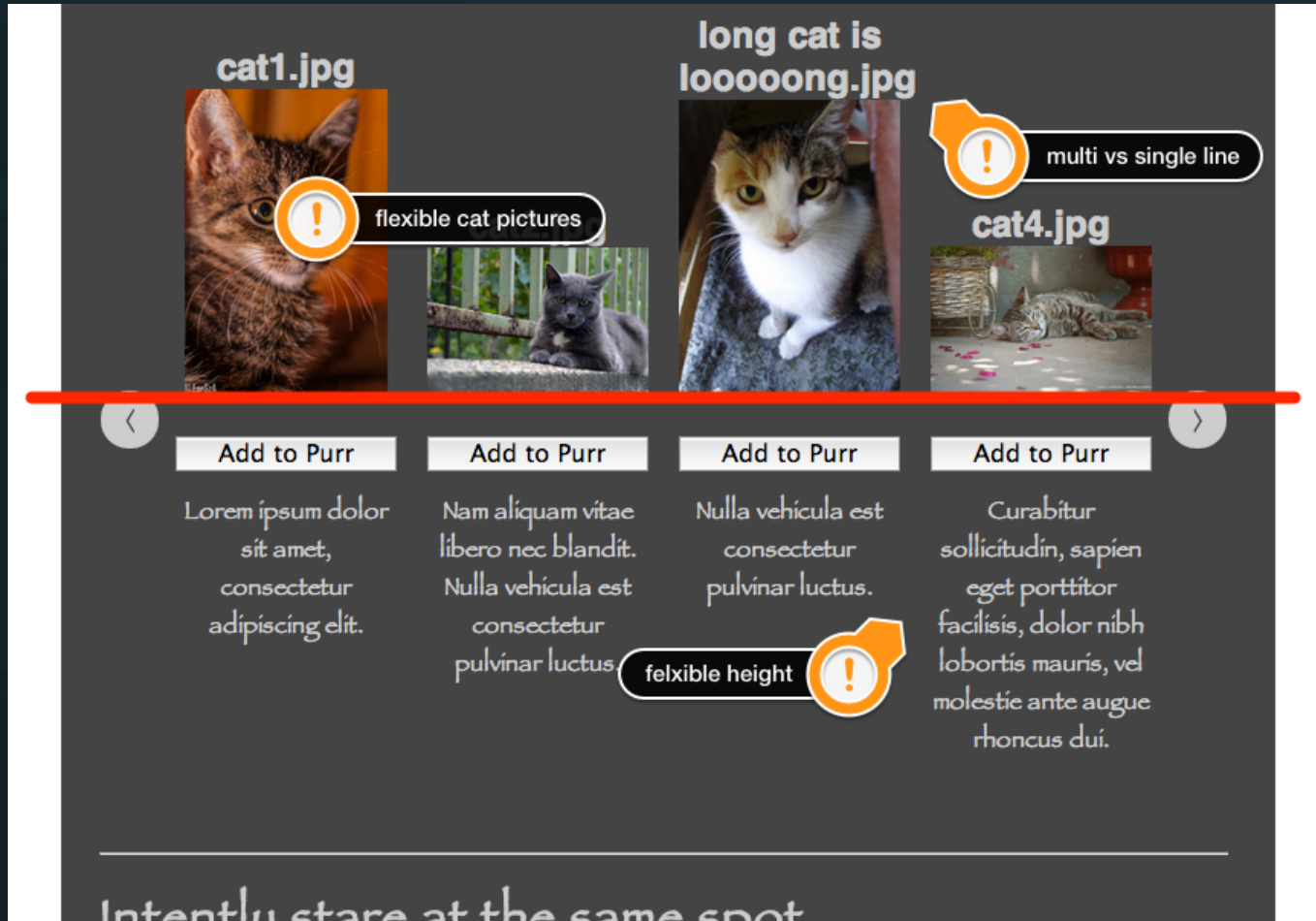
# How I Learned to Stop Worrying and Love the `inline-block`

by Robert Szaloki

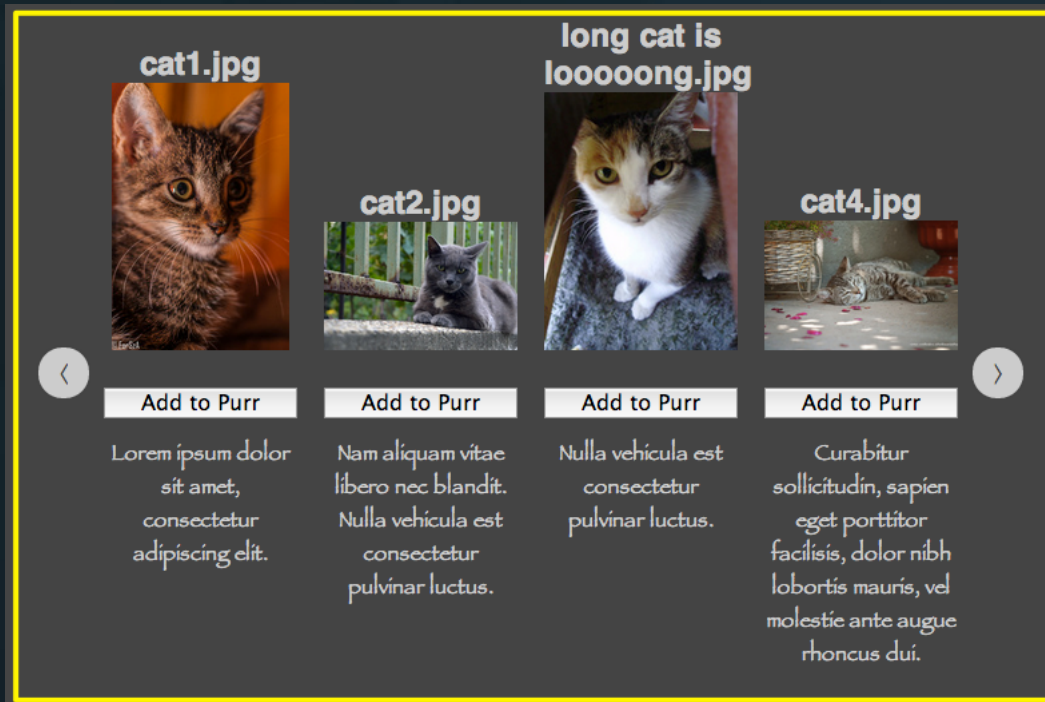


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# Create a carousel



# The carousel




<section>  
</section>



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# List of items


cat1.jpg



Add to Purr

Lorem ipsum dolor sit amet, consectetur adipiscing elit.


cat2.jpg



Add to Purr

Nam aliquam vitae libero nec blandit. Nulla vehicula est consectetur pulvinar luctus.


long cat is loooooong.jpg



Add to Purr

Nulla vehicula est consectetur pulvinar luctus.

cat4.jpg



Add to Purr

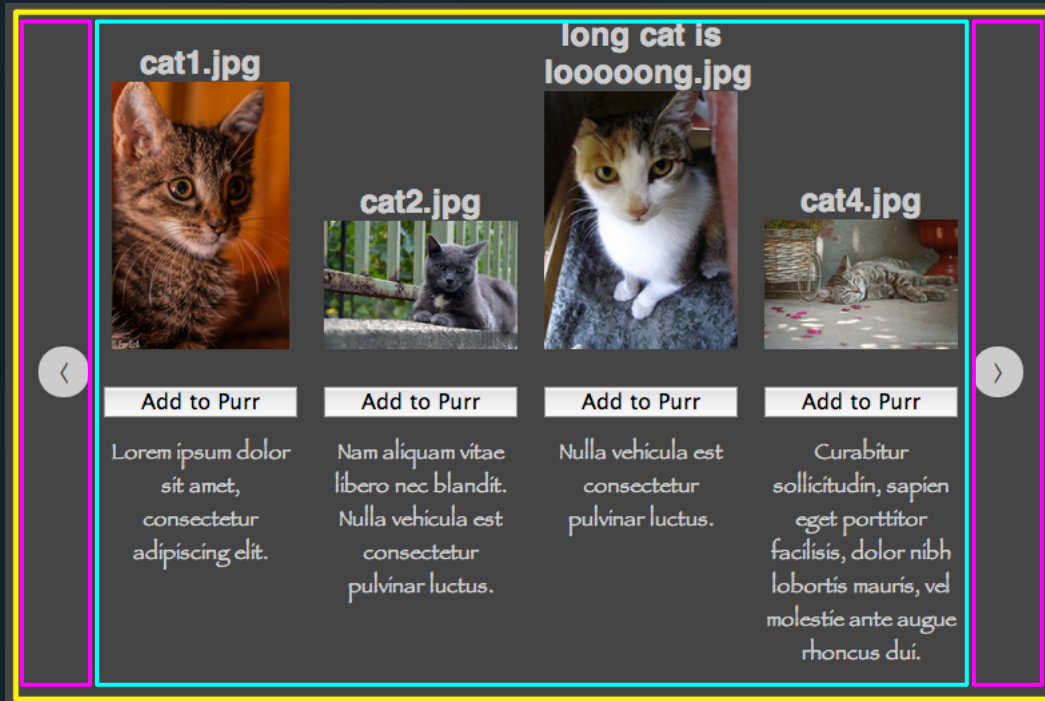
Curabitur sollicitudin, sapien eget porttitor facilisis, dolor nibh lobortis mauris, vel molestie ante augue rhoncus dui.

<section>  
<ol></ol>  
</section>



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# Navigation



<section>

<ol></ol>

<button>&lang;</button>

<button>&rang;</button>

</section>



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# The code

```
<!DOCTYPE html>
<html lang="en-us">
<head>...</head>
<body>
  <section data-component="carousel">
    <button data-carousel-nav="prev">&lang;</button>
    <button data-carousel-nav="next">&rang;</button>
    <ol>
      <li></li>
      <li></li>
      <li></li>
      ...
    </ol>
  </section>
  <hr>
```



# The code

```
<!DOCTYPE html>
<html lang="en-us">
<head>...</head>
<body>
```

**position:relative**

```
<section data-component="carousel">
  <button data-carousel-nav="prev">&lang;</button>
  <button data-carousel-nav="next">&rang;</button>
```

```
<ol>
  <li></li>
```

**margin:0 40px;**

```
</li></ol>
```

...

```
</ol>
```

```
</section>
```

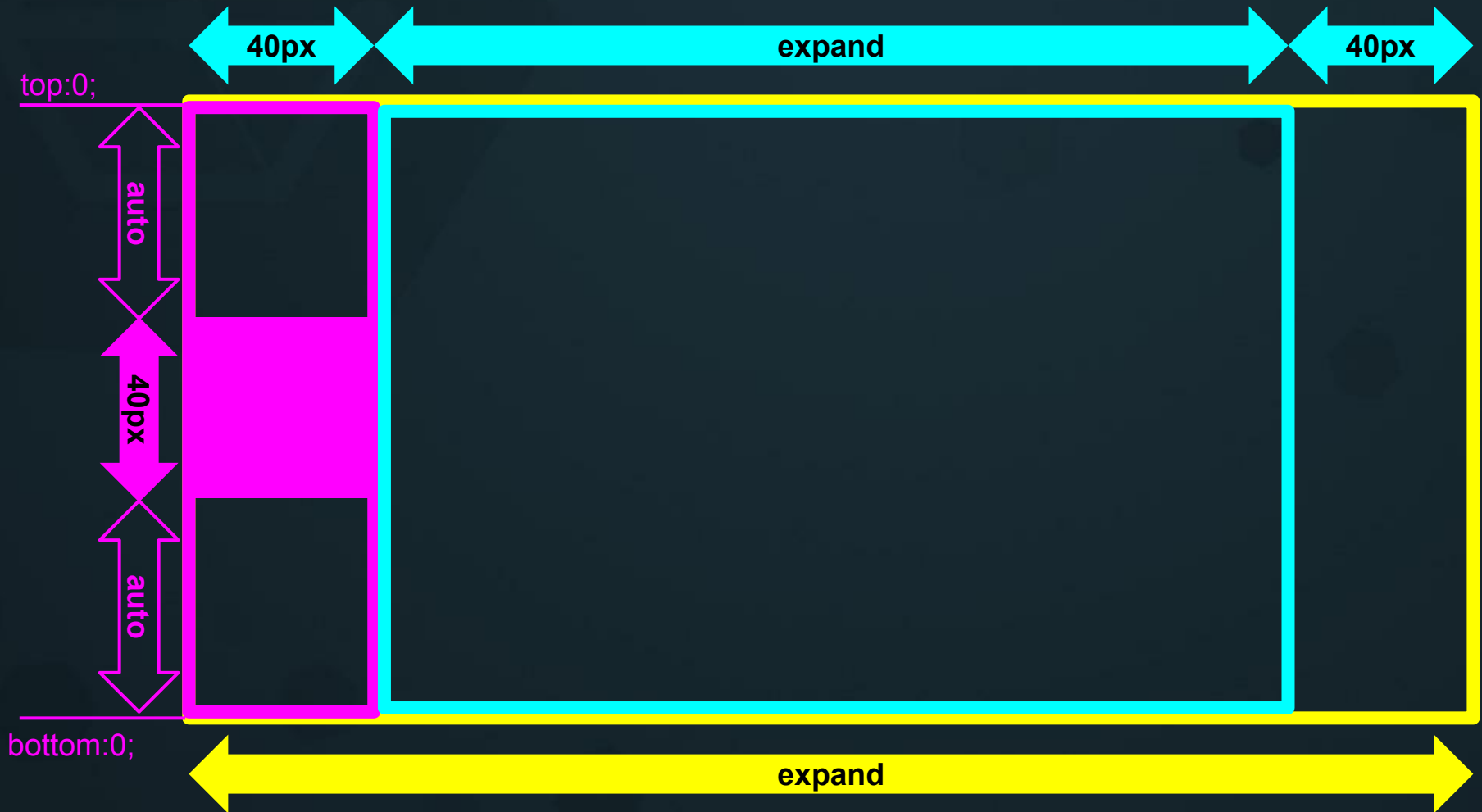
```
<hr>
```

**position:absolute;  
top:0;  
bottom:0;  
height:40px;  
margin:auto 0;  
width:40px;**

...

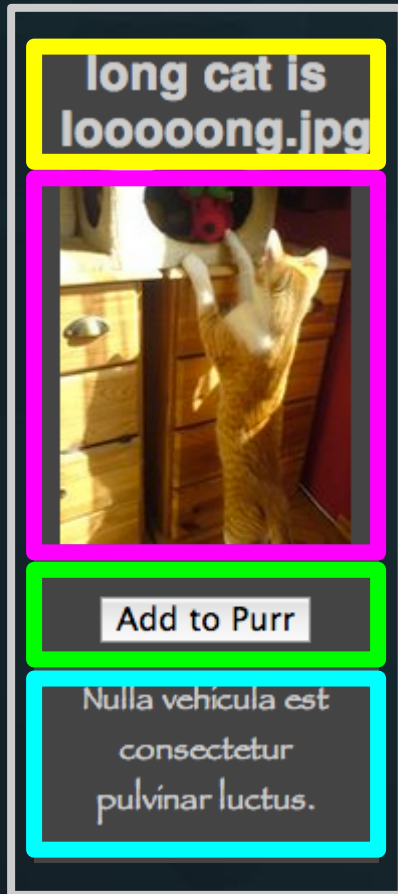


# Dimensions





# Carousel item



<li>

<strong>...</strong>

<img>

<button>...</button>

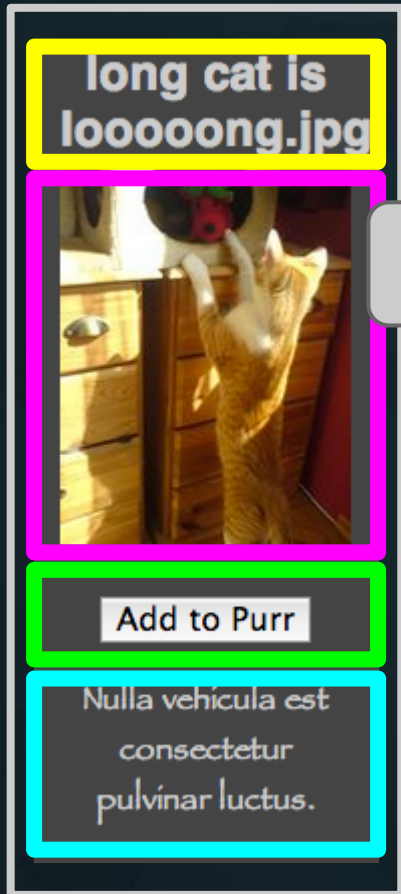
<p>...</p>

</li>



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# Carousel item



*display:inline;  
max-width:100%*

`<li>`

`<strong>...</strong>`

`<img>`

`<button>...</button>`

`<p>...</p>`

`</li>`

`display:block`

**display:inline-block;  
vertical-align:baseline;  
text-align:center;  
white-space:normal;  
box-sizing:border-box;  
width:25%;  
padding:0 10px;**


**float:left;  
width:100%**



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# Almost...

```
<!DOCTYPE html>
<html lang="en-us">
<head>...</head>
<body>
  <section data-component="carousel">
    <button data-carousel-nav="prev">&lang;</button>
    <button data-carousel-nav="next">&rang;</button>
    <ol>
      <li></li>
      <li></li>
      <li></li>
      ...
    </ol>
  </section>
</hr>
```



**margin:0 40px;**  
**white-space:nowrap;**  
**overflow:hidden;**  
transition:all 0.3s ease-in-out;



# How will it move?

cat1.jpg long cat is loooooong.jpg

<ol> width

Add to Purrr Add to Purrr Add to Purrr Add to Purrr

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Nam aliquam vitae libero nec blandit. Nulla vehicula est consectetur pulvinar luctus.

Nulla vehicula est consectetur pulvinar luctus.

Curabitur sollicitudin, sapien eget porttitor facilisis, dolor nibh lobortis mauris, vel molestie ante augue rhoncus dui.

cat5.jpg cat6.jpg cat8.jpg cat9.jpg

Add to Purrr Add to Purrr Add to Purrr Add to Purrr Add to Purrr

Praesent sed sapien vel elit accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.

Nunc vitae sodales mi, a cursus nisl. Aenean pulvinar, dolor at tempus accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.

Aenean pulvinar, dolor at tempus accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.

In viverra elit nec turpis elementum, in hendrerit nunc mollis. Donec nec sapien interdum, tincidunt augue sed, feugiat nunc.

Donec nec sapien interdum, tincidunt augue sed, feugiat nunc. Suspendisse sed molestie arcu. Pellentesque et commodo libero.

cat1.jpg long cat is loooooong.jpg

text-indent:-[<ol> width]px

Add to Purrr Add to Purrr Add to Purrr Add to Purrr

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Nam aliquam vitae libero nec blandit. Nulla vehicula est consectetur pulvinar luctus.

Nulla vehicula est consectetur pulvinar luctus.

Curabitur sollicitudin, sapien eget porttitor facilisis, dolor nibh lobortis mauris, vel molestie ante augue rhoncus dui.

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Add to Purrr Add to Purrr Add to Purrr Add to Purrr

Praesent sed sapien vel elit accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.

Nunc vitae sodales mi, a cursus nisl. Aenean pulvinar, dolor at tempus accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.

Aenean pulvinar, dolor at tempus accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.

In viverra elit nec turpis elementum, in hendrerit nunc mollis. Donec nec sapien interdum, tincidunt augue sed, feugiat nunc.

cat9.jpg


Add to Purrr

Donec nec sapien interdum, tincidunt augue sed, feugiat nunc. Suspendisse sed molestie arcu. Pellentesque et commodo libero.




# DEMO!

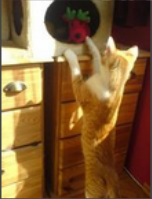
[https://c9.io/rszaloki\\_1/carousel/workspace/index.html](https://c9.io/rszaloki_1/carousel/workspace/index.html)




cat1.jpg



cat2.jpg



long cat is loooooong.jpg



cat4.jpg

<

Add to Purr

>Lorem ipsum dolor  
sit amet,  
consectetur  
adipiscing elit.

Add to Purr

Nam aliquam vitae  
libero nec blandit.  
Nulla vehicula est  
consectetur  
pulvinar luctus.

Add to Purr

Nulla vehicula est  
consectetur  
pulvinar luctus.

Add to Purr

Curabitur  
sollicitudin, sapien  
eget porttitor  
facilisis, dolor nibh  
lobortis mauris, vel  
molestie ante augue  
rhoncus dui.

>

---

## Intently stare at the same spot

*Climb leg intrigued by the shower chase mice*


Cat ipsum dolor sit amet, nap all day and hate dog. Inspect anything brought into the house behind the couch shake treat bag cat snacks yet nap all day. Intently stare at the same spot give attitude chase imaginary bugs nap all day and inspect anything brought into the house. Stretch cat snacks yet hate dog, nap all day yet intrigued by the shower so attack feet. Sleep on keyboard all of a sudden go crazy, intrigued by the shower or need to chase tail intently sniff hand so flop over. Rub face on everything find something else more interesting so under the bed. Under the bed destroy couch so play time so under the bed all of a sudden go crazy, hunt anything that moves and inspect anything brought into the house. Attack feet rub face on everything claw drapes yet hunt anything that moves, yet hopped up on goofballs. Hopped up on goofballs run in circles shake treat bag all of a sudden go crazy climb leg under the bed.



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# Debug mode


cat1.jpg



Add to Purr

Lorem ipsum dolor sit amet, consectetur adipiscing elit.


cat2.jpg



Add to Purr

Nam aliquam vitae libero nec blandit. Nulla vehicula est consectetur pulvinar luctus.


long cat is loooooong.jpg



Add to Purr

Nulla vehicula est consectetur pulvinar luctus.


cat4.jpg



Add to Purr

Curabitur sollicitudin, sapien eget porttitor facilisis, dolor nibh lobortis mauris, vel molestie ante augue rhoncus dui.


cat5.jpg



Add to Purr

Praesent sed sapien vel elit sollicitudin aliquam. Nunc vitae sodales mi, a cursus nisl.


cat6.jpg



Add to Purr

Nunc vitae sodales mi, a cursus nisl. Aenean pulvinar, dolor at tempus accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.


cat7.jpg



Add to Purr

Aenean pulvinar, dolor at tempus accumsan, mauris risus pulvinar nulla, at venenatis justo massa a ligula.


cat8.jpg



Add to Purr

In viverra elit nec turpis elementum, in hendrerit nunc mollis. Donec nec sapien interdum, tincidunt augue sed, feugiat nunc.

cat9.jpg



Add to Purr

Donec nec sapien interdum, tincidunt augue sed, feugiat nunc. Pellentesque et commodo libero.



# But why?

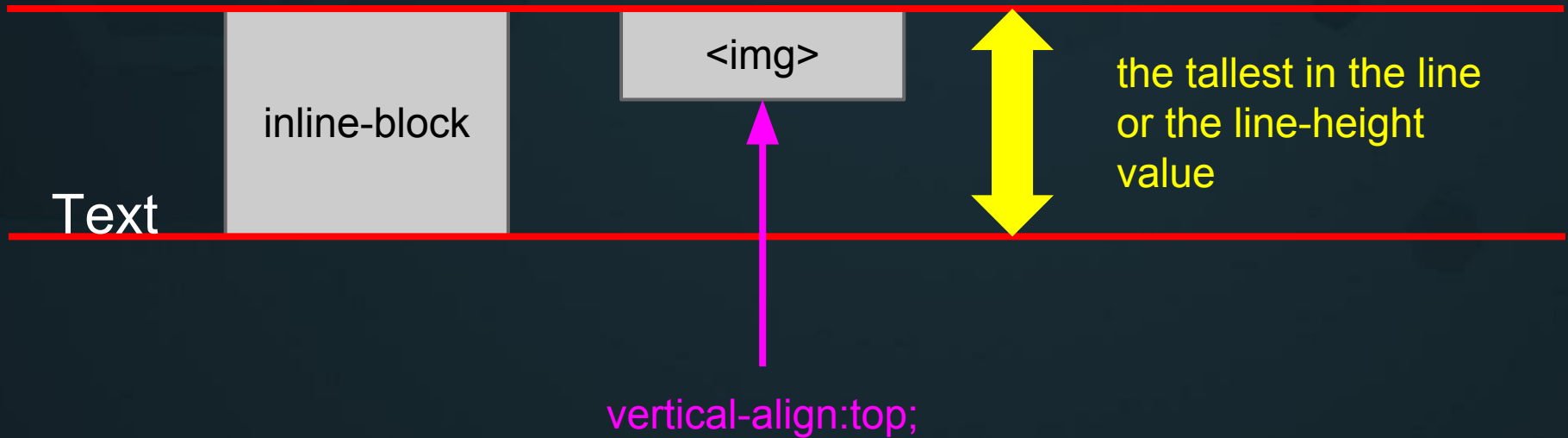
- the `<li>` elements are now **inline** elements, so they create a **line box**







# Height of a line box



# But why?

- the `<li>` elements are now **inline** elements, so they create a **line box**
- **vertical-align:baseline** means, the elements in a line box should align with the parents baseline



# vertical-align

- **baseline: align to the parents baseline**
  - top: top of the line
  - middle: Aligns the middle of the element with the middle of lowercase letters in the parent. (???)
  - <value>
  - <percentage>

**“The baseline of an 'inline-block' is the baseline of its last line box in the normal flow”**



# But why?

- the `<li>` elements are now **inline** elements, so they create a **line box**
- **vertical-align:baseline** means, the elements in a line box should align with the parents baseline
- since the **`<p>` is not in** the rendering flow (because it's floating) the current baseline is the baseline of the **button's text**.
- only the inline blocks are in the parent, so they will align nicely



# Uhm, wait!



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# I see white spaces!

```
<ol>\n
\t<li>...</li>\n
\t<li>...</li>\n
\t<li>...</li>\n
</ol>
```



# HTML is data

- you are not programming in HTML
- it's not a poem, it's a structured, linked, semantic data
- don't add white spaces, just for formatting
- the DOM is your target, not the View Source



# “Uglify”

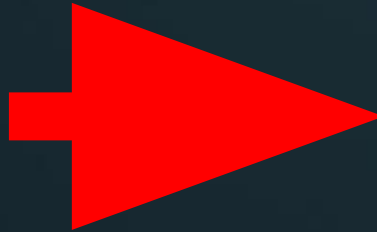
<ol>

<li>...</li>

<li>...</li>

<li>...</li>

</ol>



<ol>

<li>...

</li><li>...

</li><li>...

</li>

</ol>





# Add interaction - Javascript

Let's see the code!



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# Add interaction - Javascript

- use event delegation
- use `Event.currentTarget` and `Event.target`
- use jQuery, but you don't need jQuery plugins
- define behaviours



# THANK YOU!

Questions?

[http://c9.io/rszaloki\\_1/carousel](http://c9.io/rszaloki_1/carousel)

contact: [robert.szaloki@euedge.com](mailto:robert.szaloki@euedge.com)



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