

Slice & Layout

By morriswmz

About last homework



Zachery Mocha's Portfolio
arcu posuere
rhoncus sed
non justo

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Fallen Leaf



Silence



Fallen Leaf

HOME

GALLERY

STORIES

CONTACT

LINKS

2011
9/22

Nam in ipsum ac arcu posuere rhoncus sed non justo

Category: Feelings Tags: None

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam hendrerit massa id lacus semper eu auctor sem lacinia. Proin fringilla magna id ipsum rhoncus ultrices. Proin ipsum quam, accumsan in accumsan eget, aliquet pellentesque libero. Suspendisse condimentum faucibus fermentum. Sed ut justo dui. Praesent laoreet elementum mollis. Aliquam egestas feugiat ultrices. Duis consequat magna eget ante volutpat et bibendum nibh faucibus. Integer justo quam, pretium id cursus eu, pulvinar volutpat risus. Fusce fringilla auctor metus sed tristique.

Sed quis sem a nisi volutpat molestie. Nullam at augue elit, sit amet sodales erat. Fusce nulla est, accumsan quis faucibus rutrum, semper et eros. Nam a rutrum quam. Integer tortor justo, consequat quis dictum vitae, porta nec sapien. Nulla hendrerit mi in tortor sodales a aliquam orci laoreet. Donec feugiat magna accumsan urna hendrerit quis consectetur nibh laoreet. Suspendisse molestie facilisis tellus eget feugiat. Morbi sed mauris non sem bibendum iaculis sollicitudin nec nulla. Aenean ligula diam, facilisis id varius nec, vestibulum sed risus. Suspendisse potenti. Cras aliquet odio vel tortor convallis ullamcorper. Nulla facilisi. Aliquam nisl orci, congue id eleifend quis, iaculis in leo. In eu bibendum tellus. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Curabitur quis orci enim, sit amet vehicula justo. Pellentesque nibh lorem, convallis et semper nec, iaculis in nulla. Sed orci tellus, consectetur id sodales a, feugiat et sem. Nunc non nunc nec sapien dapibus posuere. Praesent magna dolor, volutpat vitae iaculis ac, accumsan et nibh. Sed sem felis, tincidunt vel egestas a, volutpat ac lectus. Nulla fermentum pulvinar dictum.

Cras elementum facilisis odio pellentesque congue. Nullam vitae molestie dui. Nulla sollicitudin

-- Massa Feugiat

Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Proin id pretium mi. Pellentesque eleifend eros auctor diam condimentum convallis.

-- Lorem Ipsum



This time, you are the king.

but problems come...



It looks simple, however...

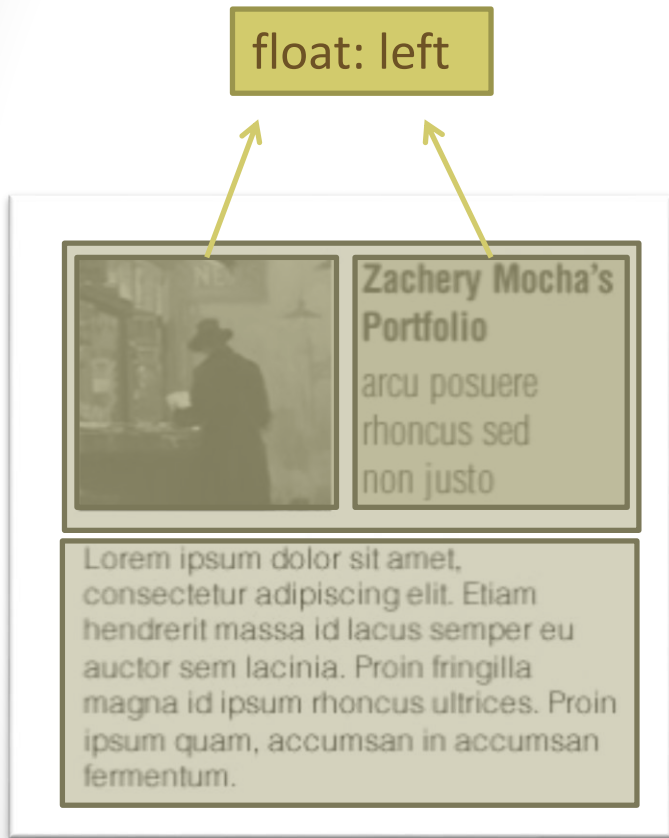
a seemingly smooth road might be full of buried mines

General Layout

or



Profile Box



```
<div id="profile">
  <div id="profile_photo">
    <img />
  </div>
  <div id="profile_title">
    <h3></h3>
    <p></p>
    <p></p>
    <p></p>
  </div>
  <div class="clear"></div>
  <div id="profile_intro"></div>
</div>
```

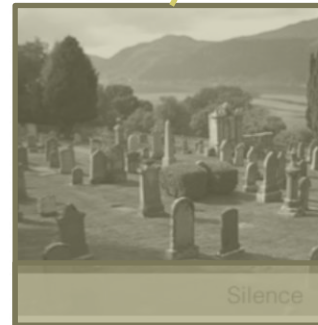
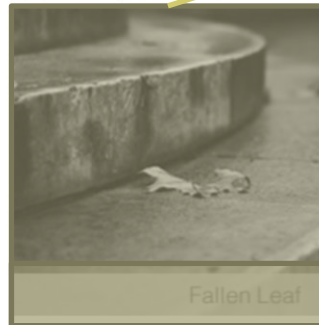
Featured Photos

```
<div class="grid_4 top_photo alpha">  
  <img />  
  <div class="photo_caption">  
    <a href="#"></a>  
  </div>  
</div>  
<div class="grid_4 top_photo">  
  <img />  
  <div class="photo_caption">  
    <a href="#"></a>  
  </div>  
</div>
```

```
<div class="grid_4 top_photo omega">  
  <img />  
  <div class="photo_caption">  
    <a href="#"></a>  
  </div>  
</div>
```

float: left
Or simply use 960Grid

There are
other tricky
ways ...



Post Title

```
<div id="post_title">
  <div id="post_date">
    <p>2011</p>
    <p>9/22</p>
  </div>
  <div id="post_meta">
    <h1>Nam in ipsum ac arcu posuere rhoncus sed non justo</h1>
    <p>
      Category: &nbsp;
      <a href="#">Feelings</a>
      Tags: &nbsp;
      <a href="#">None</a>
    </p>
  </div>
  <div class="clear"></div>
</div>
```

Same as before.
Just like the profile box!

2011
9/22

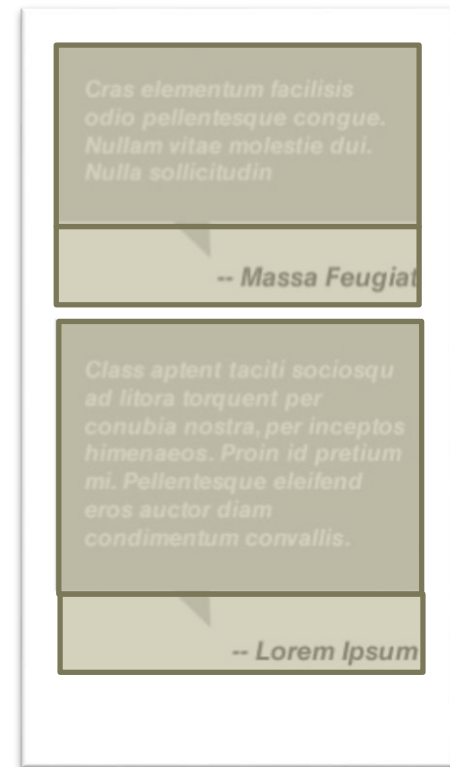
Nam in ipsum ac arcu posuere rhoncus sed non justo

Category: Feelings Tags: None

Comments

```
<div id="post_comments" class="grid_4 omega">
  <ul id="comments">
    <li>
      <div class="comment_content"></div>
      <div class="comment_meta"></div>
    </li>
    <li>
      <div class="comment_content"></div>
      <div class="comment_meta"></div>
    </li>
  </ul>
</div>
```

The height of comment boxes should be flexible.



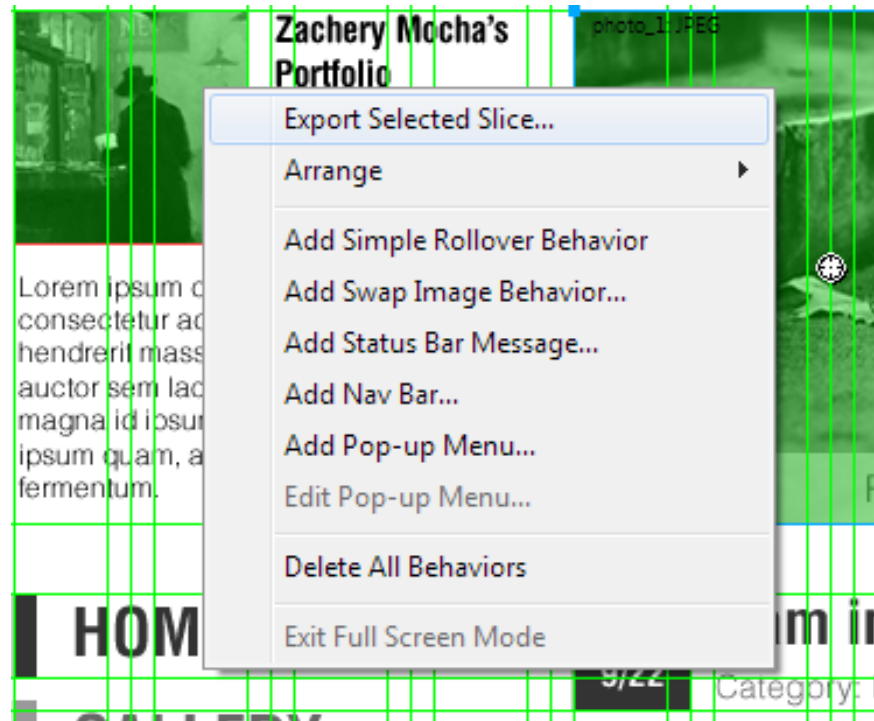
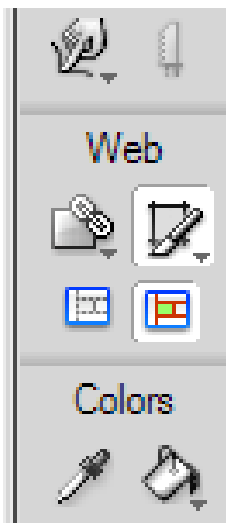


cut, slice, chop ...

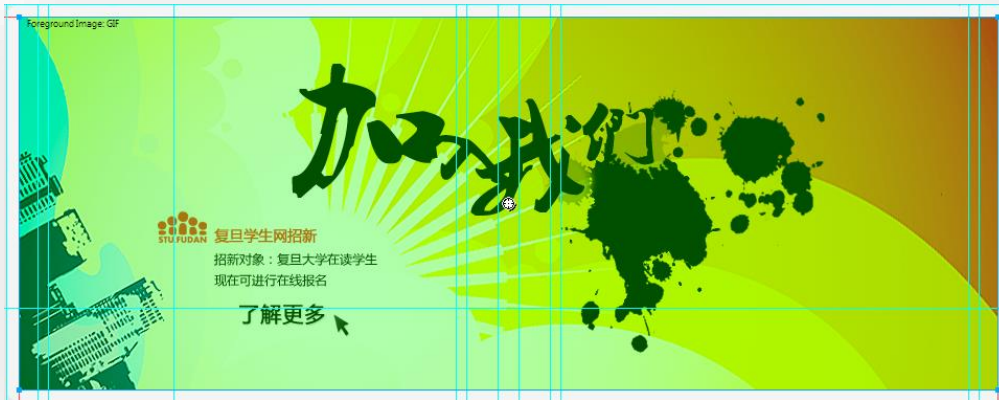
SLICE

Slice Tool in Fireworks

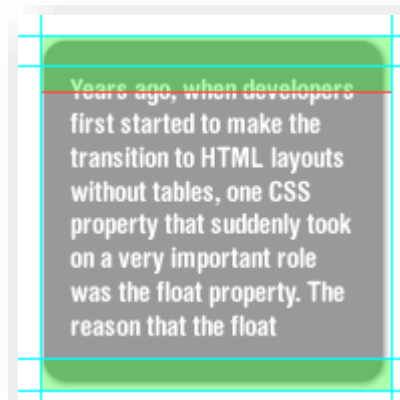
- When you need that part as an image or background picture. Just slice and export it.



Common Usage



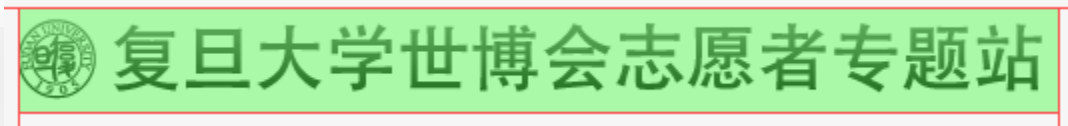
pictures or textures



box frame



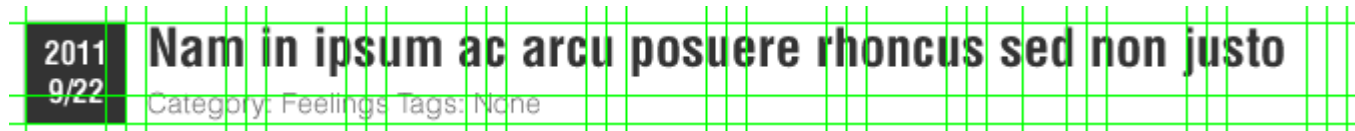
buttons



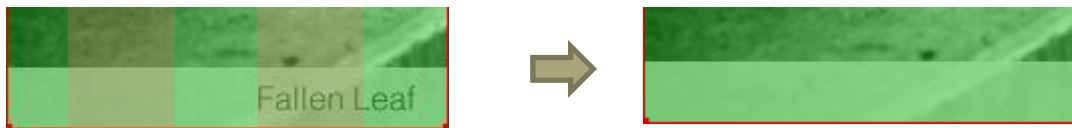
text with special effects or fonts

Tips

- Use guide lines



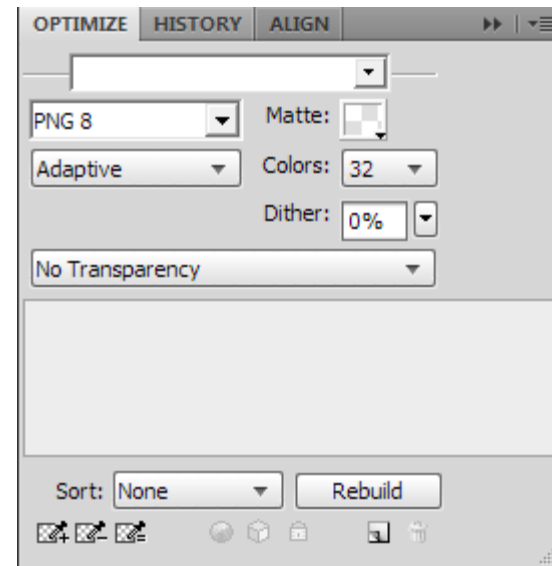
- Hide unnecessary elements before exporting



- Fit Well



Optimization



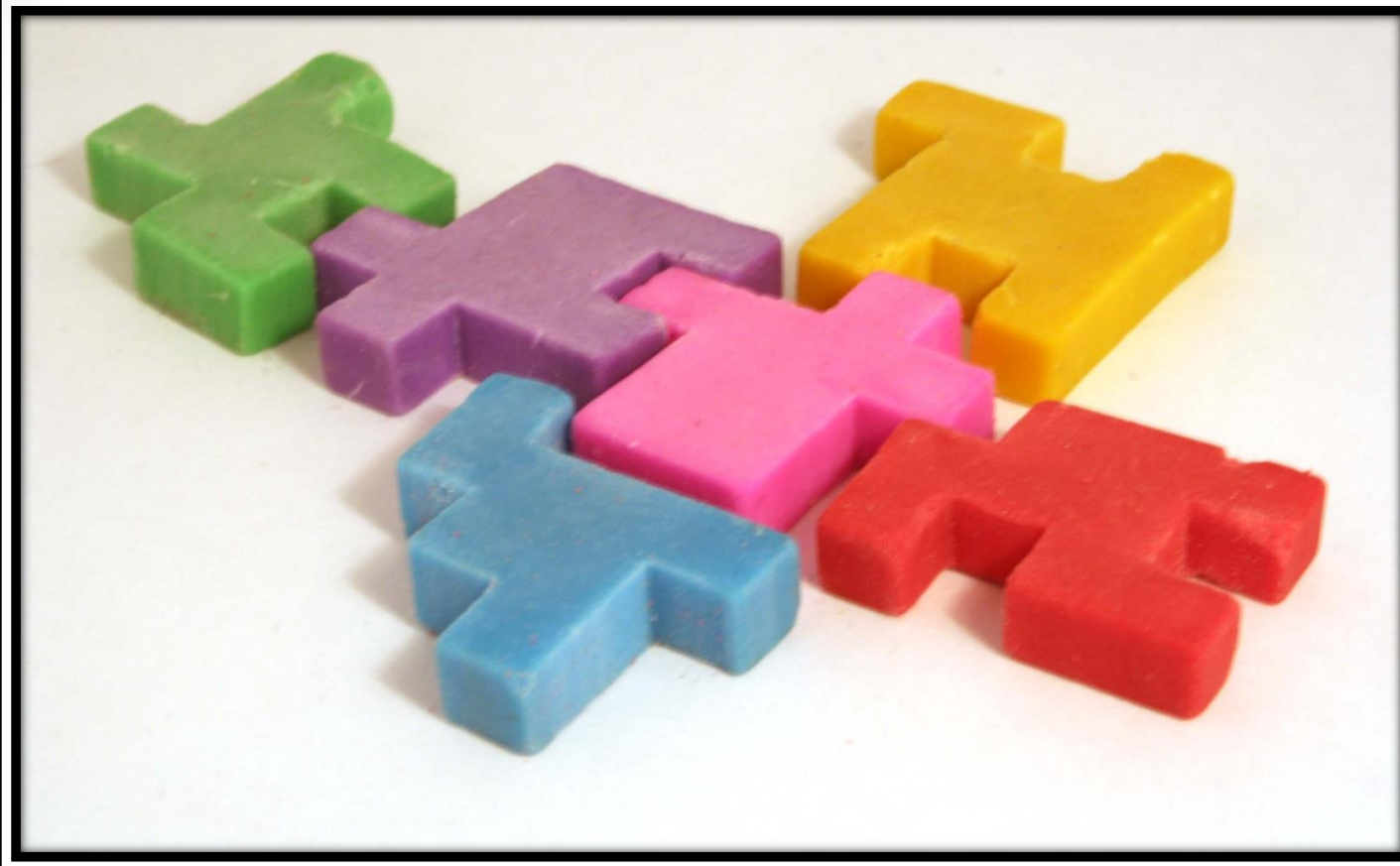
- gif : small icon/pattern with few colors, indexed alpha
- png8 : graph with few colors
- png24 : graph, non-photo illustration
- png32 : graph with real alpha support
- jpeg : photo, posters

Sprites

- CSS:
 - display: block;
 - background-position
 - width: ?px;
 - height: ?px;
 - overflow: hidden;
 - padding: 0;
- One sprite sheet, tons of elements → reduced http traffic



See <http://css-tricks.com/158-css-sprites/>

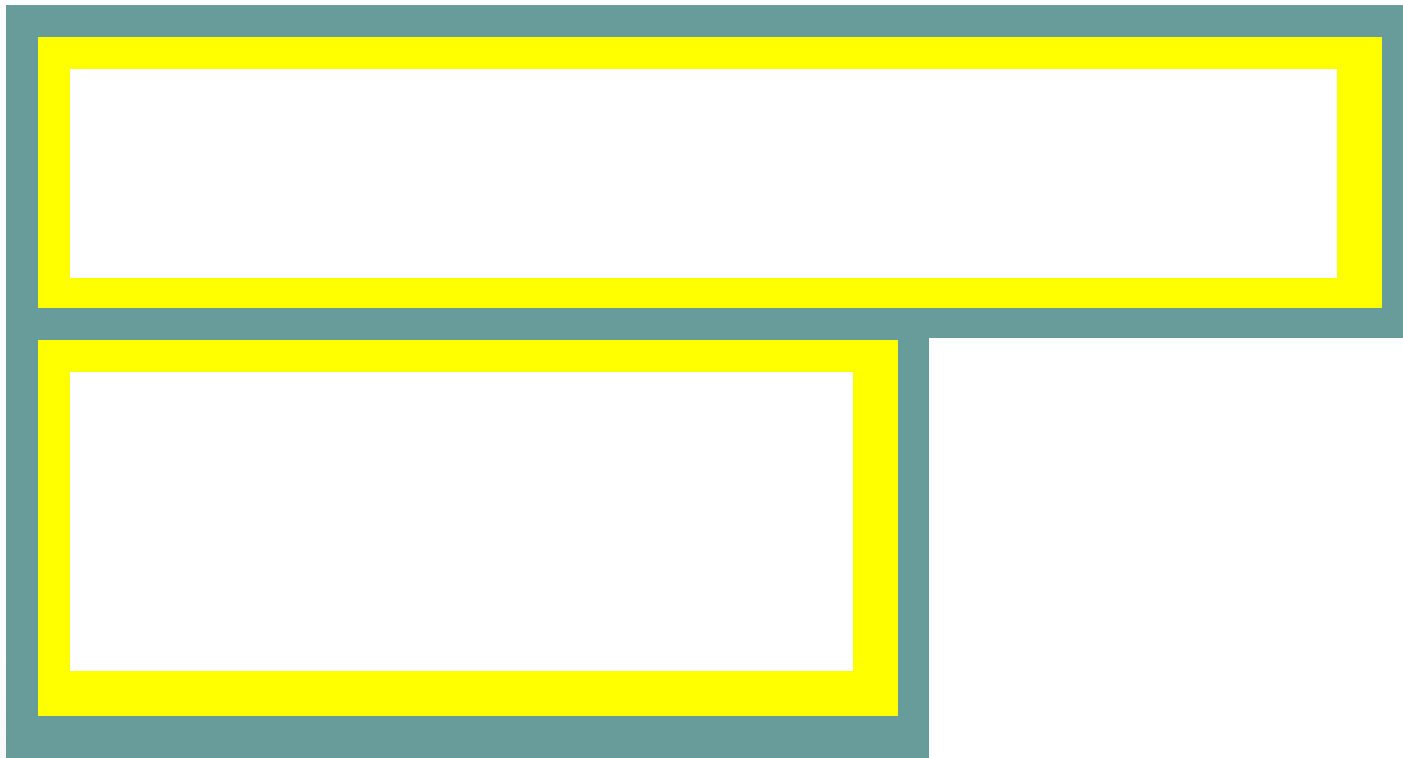


structure, framework, hierarchy, ...

LAYOUT

Basic <div> Positioning

- Each <div> occupies one “line”. They are the building blocks of website.



Basic <div> Positioning

- If **height** is not specified, it is flexible and will be determined by its content. The same with **width**.

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec porttitor adipiscing augue id vulputate. Pellentesque interdum bibendum condimentum. Cras sit amet nulla eros, id commodo quam.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec porttitor adipiscing augue id vulputate. Pellentesque interdum bibendum condimentum. Cras sit amet nulla eros, id commodo quam.



Basic <div> Positioning

- The **overflow** property will affect how <div> handles overflow of its content.

Mauris congue
dapibus dictum.
Nulla tincidunt
fermentum risus.
Sed fringilla nibh ut

purus venenatis
faucibus. Sed
convallis

visible

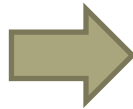
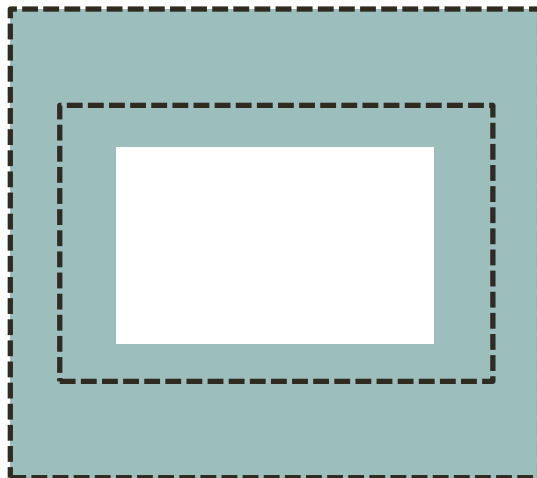
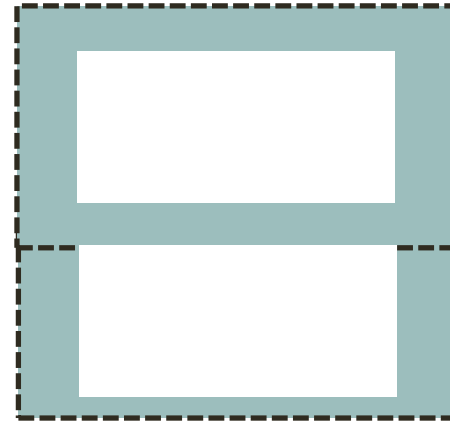
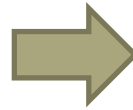
Mauris congue
dapibus dictum.
Nulla tincidunt
fermentum risus.
Sed fringilla nibh ut

hidden

Mauris congue
dapibus dictum.
Nulla tincidunt
fermentum risus.

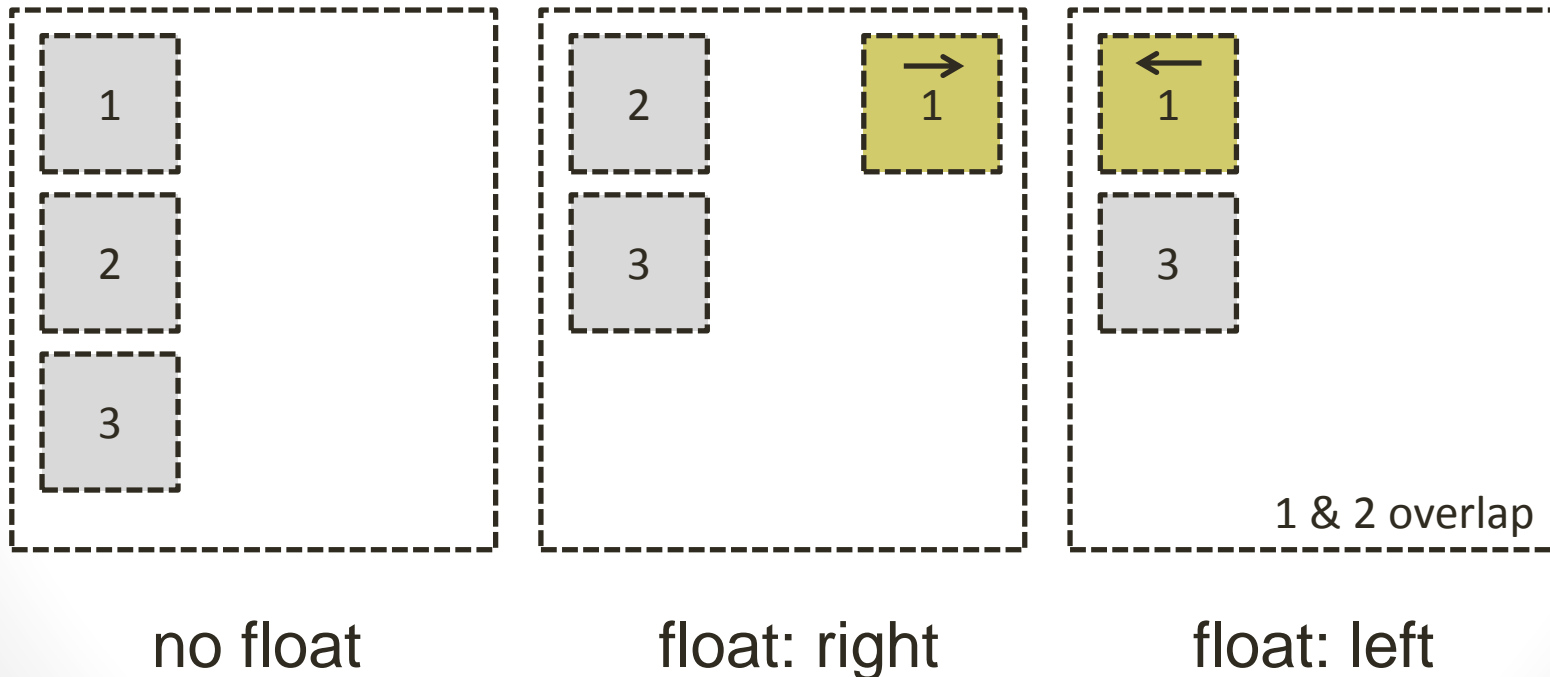
scroll
auto

Danger! Margin Folding



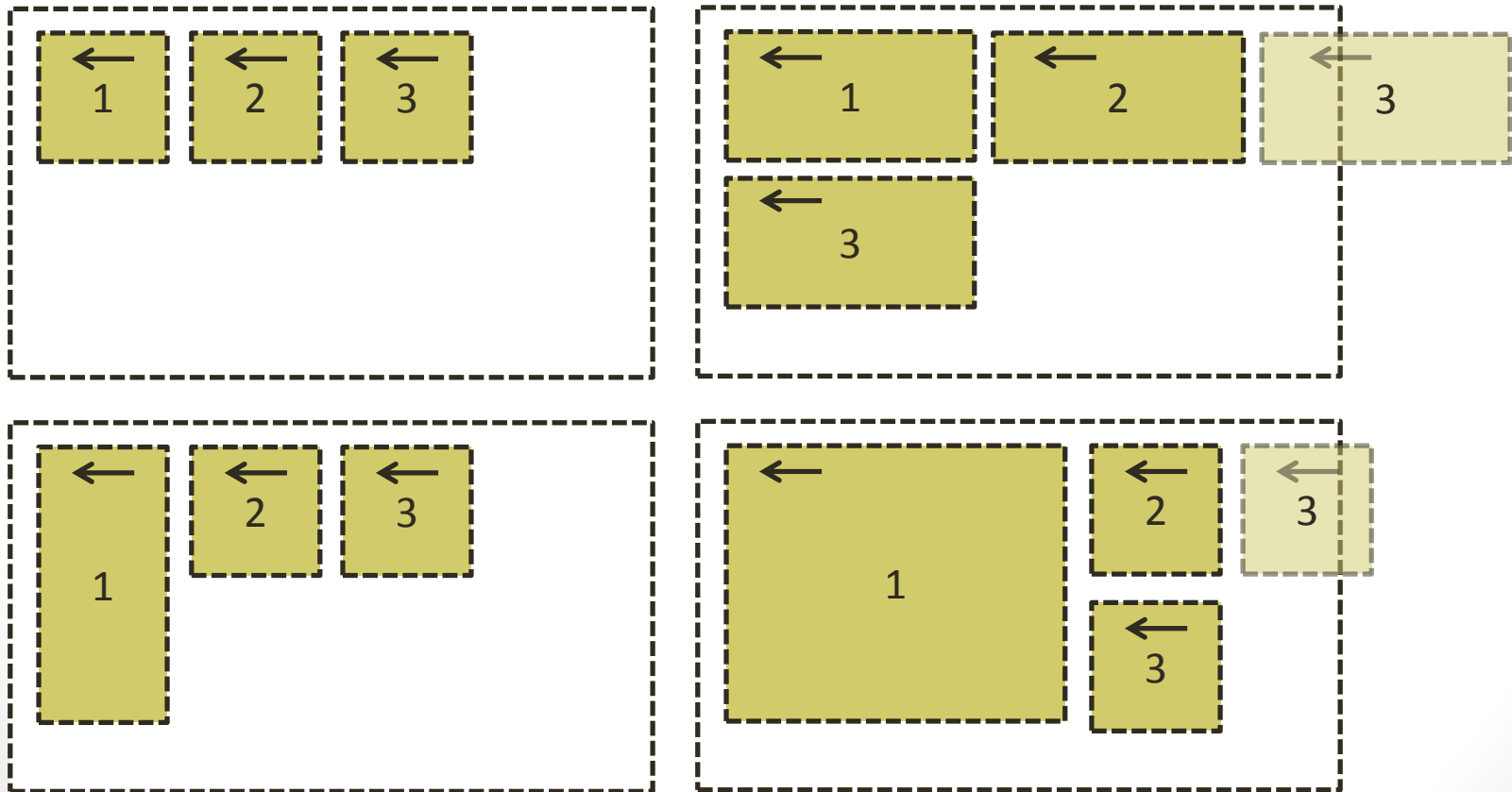
The Magic of Float

- When **float** is set, the block is separated from the original layout. With default **overflow** property, its original occupied space is freed.



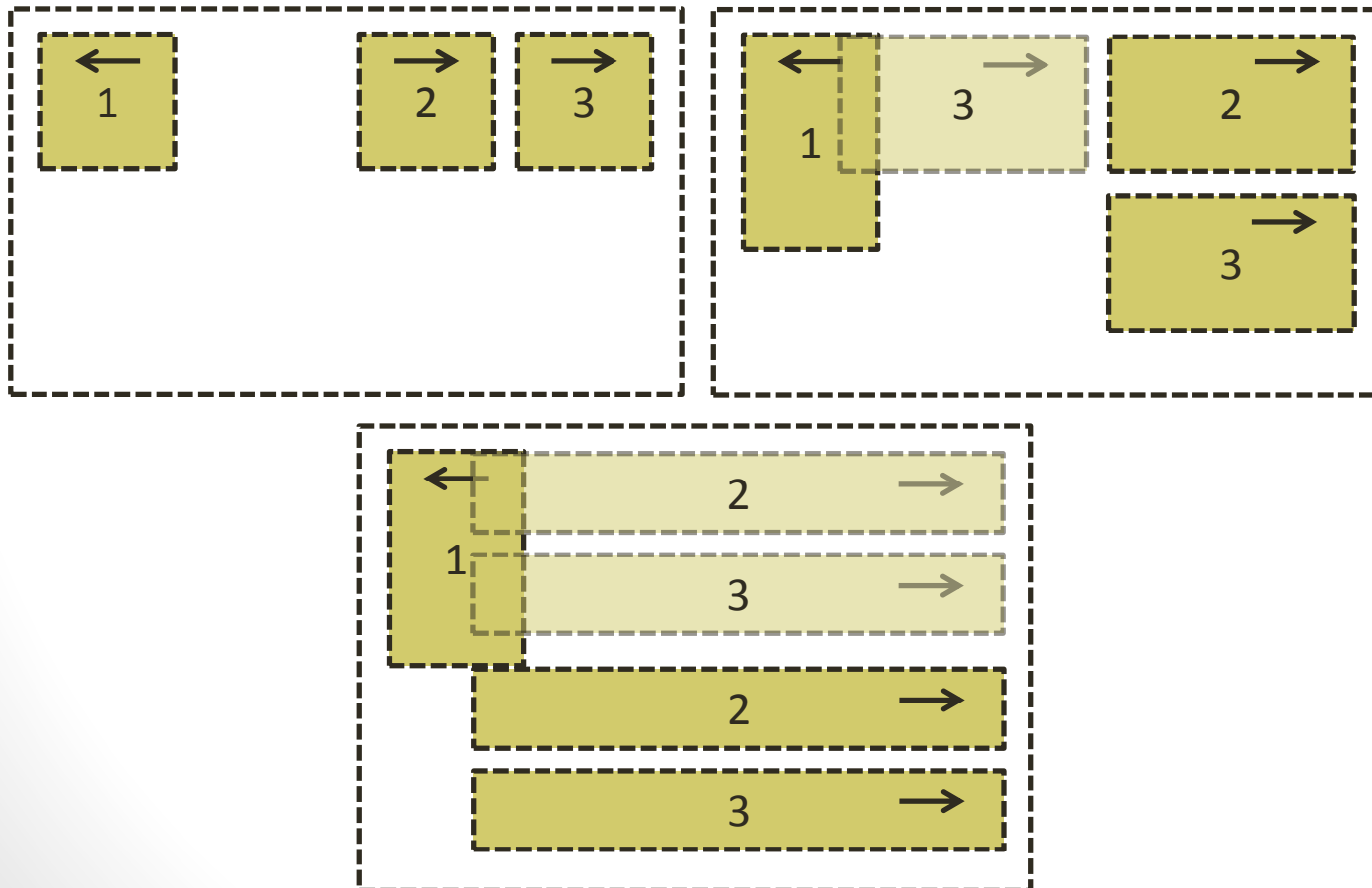
The Magic of Float

- When there are multiple instances with “float: left”...



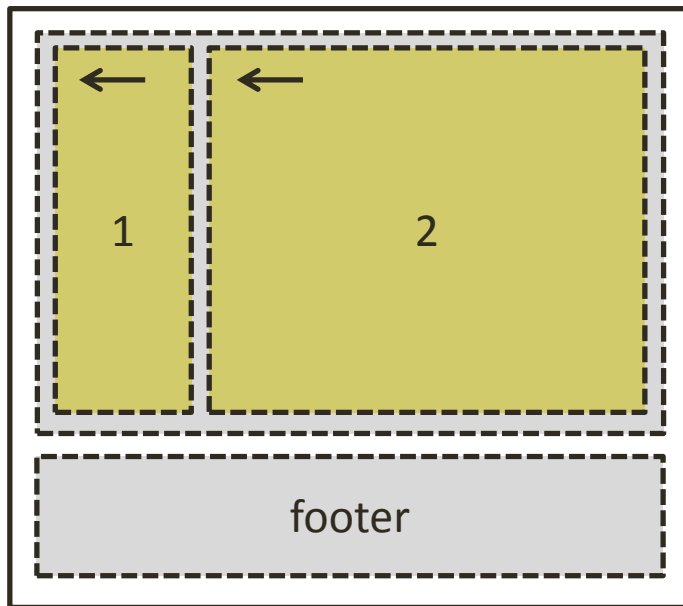
The Magic of Float

- Left and right together...

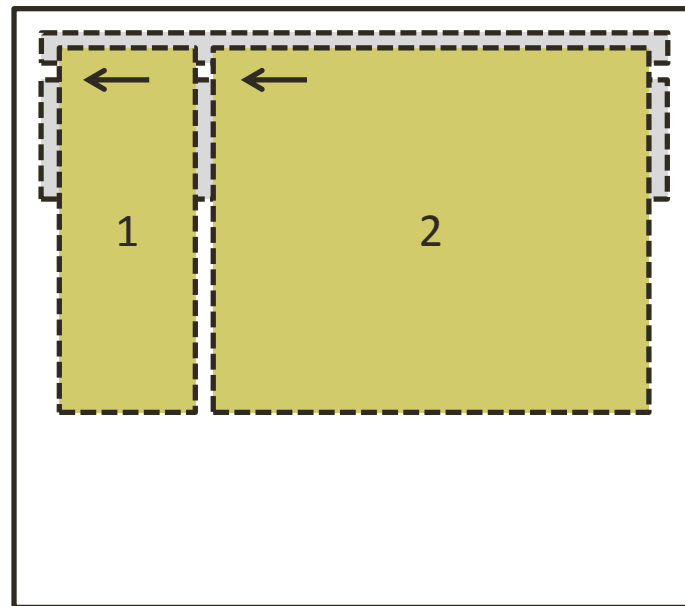


The Magic of Float

- As floating blocks do not occupy space, its parent container may collapse. We need to fix it by specify its parent's layout(i.e. set width and height, etc) or using [clear](#).



what we expect



the truth

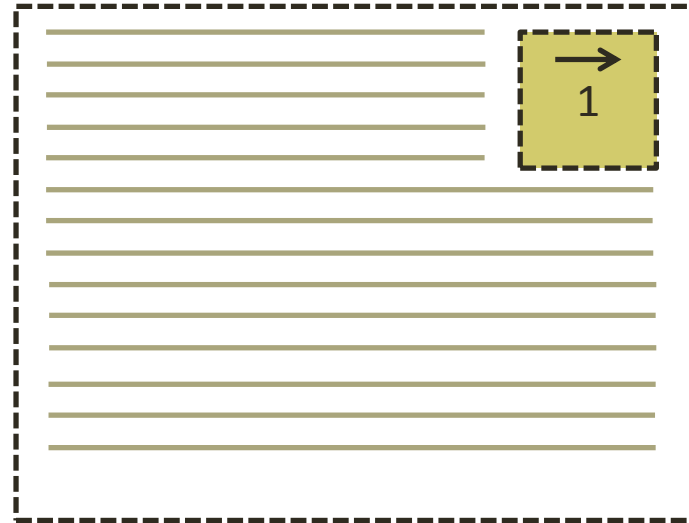
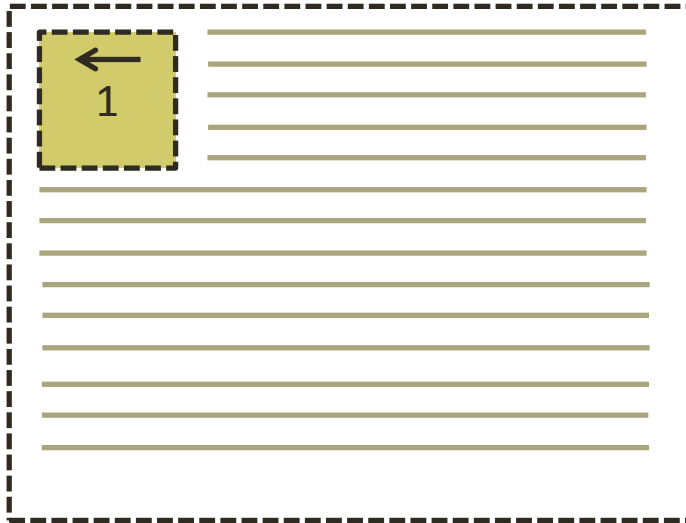


When there is a float, there is a clear.

floating stuffs are unstable...

The Magic of Float

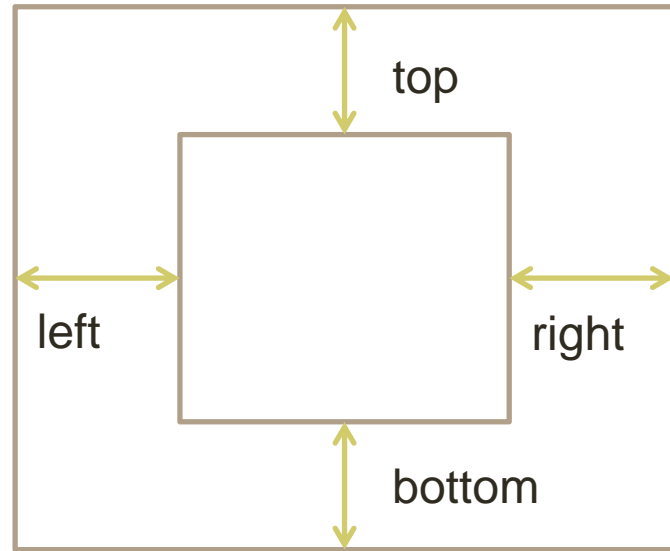
- When floating blocks meets inline text.



Position - Another Trick

- As floating blocks do not overlap, it cannot always satisfy our demand. Sometimes we need multiple layers.
- Moreover, sometime we want certain element to be fixed such as the top navigator or back-to-top button.
- While `float` is powerful, absolute positioning and relative positioning sometimes make life easier.

```
#container {  
  position: [ static | relative |  
             absolute | fixed ];  
  z-index: 0;  
  left: 10px;  
  top: 10px;  
  bottom: 10px;  
  right: 10px;  
}
```



When conflict:

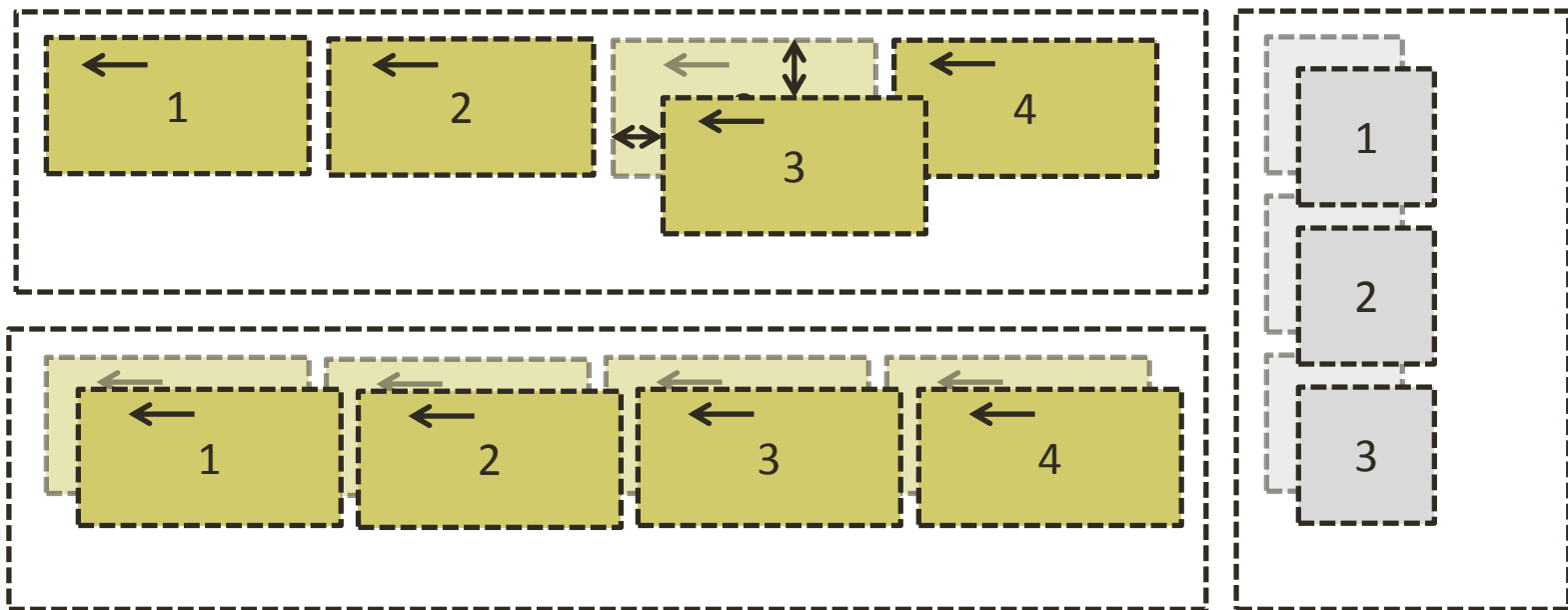
$\text{left} > \text{right}$
 $\text{top} > \text{bottom}$

```
#container {  
  left: 10px;  
  right: 10px;  
}
```

```
#container {  
  top: 10px;  
  bottom: 10px;  
}
```

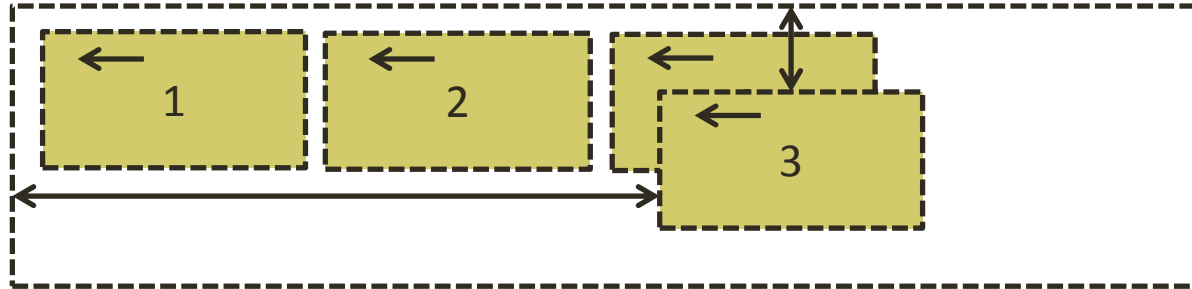
Relative Position

- The block just translates. The original space is still occupied.



Absolute Position

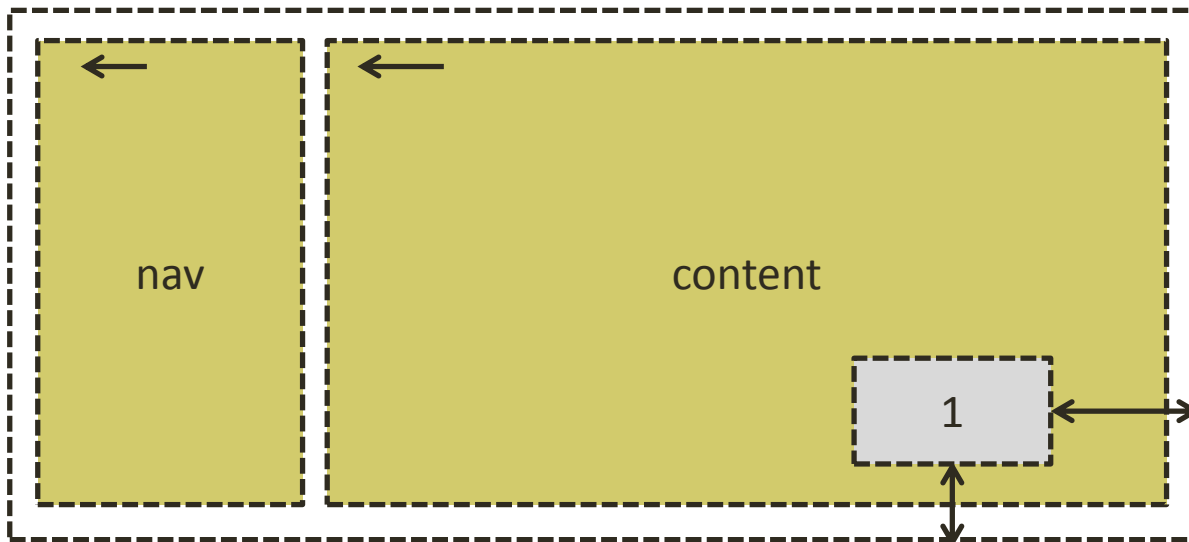
- The block translates and do not occupy space.
- It's like floating.



- The default origin is the top left corner of the HTML page. However, if its parent has the property “[position: relative](#)”. The origin will be its parent’s top left corner.

Fixed Position

- An element with fixed position is positioned relative to the browser window.
- It will not move even if the window is scrolled.
- It's floating.



Reference

- CSS 浮动
- CSS 相对定位
- CSS 绝对定位
- **The Mystery Of The CSS Float Property**
 - Detailed explanation about the common usage of float
 - by Smashing Magazine
- **Showcase Of Modern Navigation Design Trends**
 - For inspiration
 - by Smashing Magazine