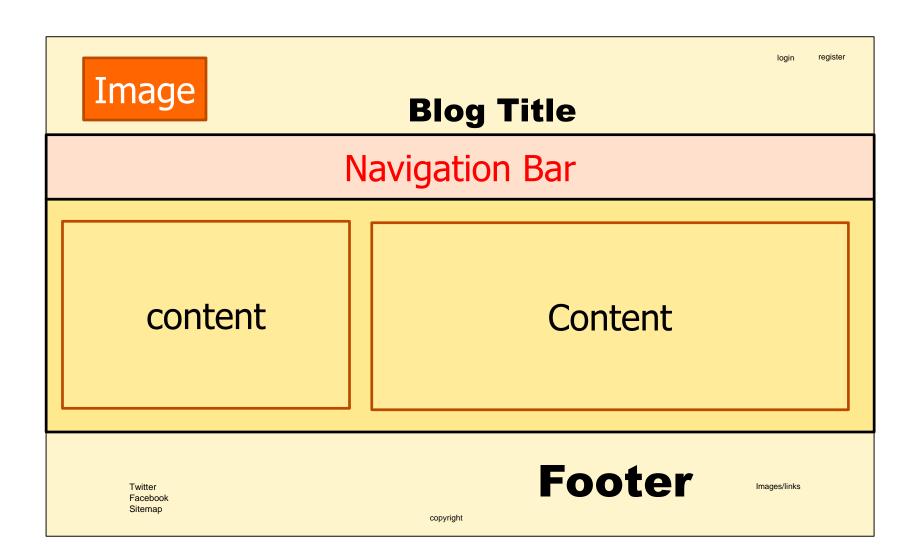
Web Development Funamentals

MAIN HEADER				
SIDEBAR	PAGE HEADER. CONTENT COLUMNS ARE BELOW.			
	COLUMN 1	COLUMN 1	COLUMN 1	

Lecturer: Marie Brennan



Marilyn Monroe Tribute













Some Interesting Links

NewBridge Museum Website

Wikipedia page about Marilyn

Article about Marilyn in the Los Angeles Times

Article about Marilyn in the Irish Mirror



Marilyn Monroe

Imperfection is beauty, madness is genius and it's better to be absolutely ridiculous than absolutely boring. Marilyn Monroe

Background

Marilyn Monroe was an American actress, comedienne, singer, and model. She became one of the world's most enduring iconic figures and is remembered both for her winsome embodiment of the Hollywood sex symbol and her tragic personal and professional struggles within the film industry. Her life and death are still the subjects of much controversy and speculation. She was born Norma Jeane Mortenson at the Los Angeles County Hospital on June 1, 1926. Her mother Gladys Pearl Baker was a film-cutter at Consolidated Film Industries. Marilyn's father's identity was never known. Because Gladys was mentally and financially unable to care for young Marilyn, Gladys placed her in the care of a foster family. The Bolenders. Although the Bolender family wanted to adopt Marilyn, Gladys was eventually able to stabilize her lifestyle and took Marilyn back in her care when Marilyn was 7 years old. However, shortly after regaining oustody of Marilyn, Gladys had a complete mental breakdown and was diagnosed as a paranoid schizophrenic and was committed to a state mental hospital. Gladys spent the rest of her life going in and out of hospitals and rarely had hospital. Gladys spent Marilyn became an adult and celebrated as a film star, she paid a woman by the name of linez Melson to look in on the institutionalized Gladys and give detailed reports of her progress. Gladys outlived her daughter, dying in 1984.

Her Personal Life



Movie Career

Her first film was in 1947 with a bit part in The Shocking Miss Pilgrim (1947). Her next production was not much better, a bit in the eminently forgettable Soudda Hoo! Soudda Hay! (1948). Two of the three brief scenes in which she appeared wound up on the cutting room floor. Later that same year, she was given a somewhat better role as Evie in Dangerous Years (1947).



However, Fox declined to renew her contract, so she went back to modeling and acting school. Columbia Pictures then picked her up to play Peggy Martin in Ladies of the Chorus (1948), where she sang two numbers. Notices from the critics were favorable for her, if not the film, but Columbia dropped her. Once again Marilyn returned to modeling. In 1949, she appeared in United Artists' Love Happy (1949). It was also that same year she posed nude for the now famous calendar shot which was later to appear in Playboy magazine in 1953 and further boost her career. She would be the first centerfold in that magazine's long and illustrious history.

BLACK GOOSE BAKERY

The delicious baked goods you love at Black Goose Bistro...now available to go!

Fresh from the Oven

BREADS



Our breads are made daily from highestquality whole grain flour, water, salt, and yeast or sourdough starter. Simply and naturally, and never any preservatives. Patience is key to achieving the proper level of fermentation and baking each loaf to perfection. Available in whole grain, sourdough, olive loaf, classic rye, and potato-onion.

LEARN MORE ABOUT OUR BAKING PROCESS...

MUFFINS



Every day, we offer a large selection of muffins, including blueberry, multi-berry, bran, corn, lemon-poppyseed, and chocolate. Our muffins are made from scratch each day. Stop by to see

LEA

Hours

MONDAY: 5am to 3pm

TUESDAY: 5am to 3pm

WEDNESDAY: 5am to 3pm

THURSDAY: 5am to 3pm

FRIDAY: 5am to 3pm

SATURDAY: 6am to 4pm

SUNDAY: 6am to 4pm





This is a paragraph

This is Box 1 This is Box 2

This is a paragraph

Width, height, padding, borders, margins, collapsing margins, content....a nd so on

Footer



A little more symmetrical...

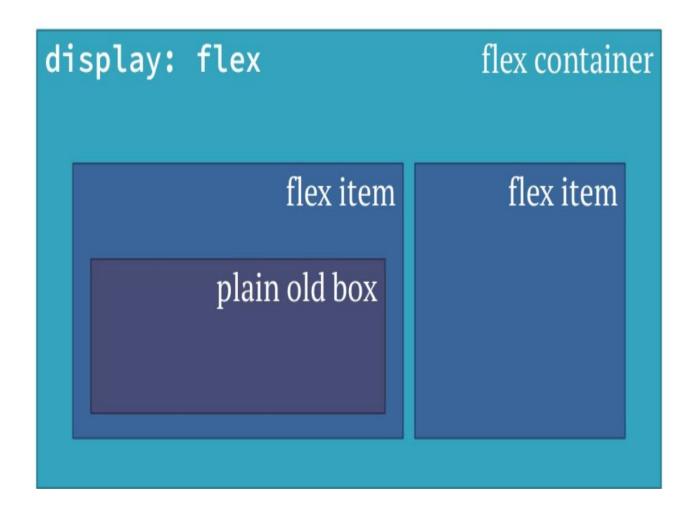


Problems with float layout

Difficulty with containment Visual location somewhat tied to HTML order

- No built-in equal-height columns
- No float:center

Turn it on



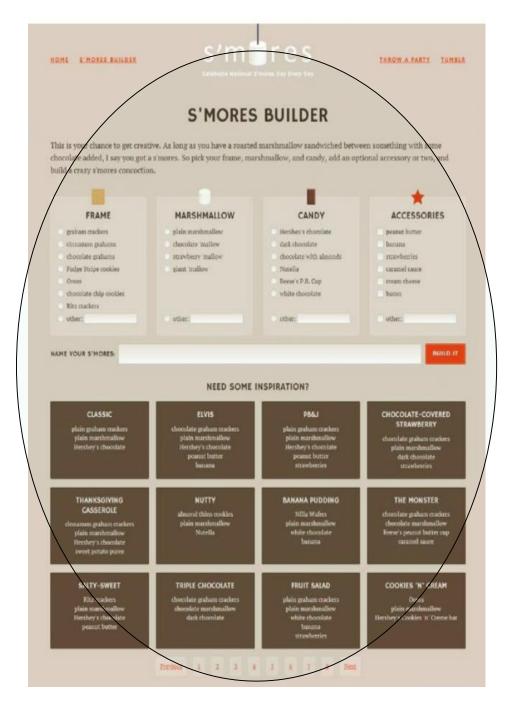
Flex layout

- 1.Turn it on display: flex
- 2.flex item
- 3.flex container
- 4.plain old box
- 5.flex-direction specifies orientation of flex items' layout row (default) row-reverse column column-reverse

flex-direction Esc to exit full screen specifies orientation of flex items' layout row (default) row-reverse

column

column-reverse



Lets have a look at a flexed website

http://www.smoresday.us/builder.html



Demo: horizontal navigation

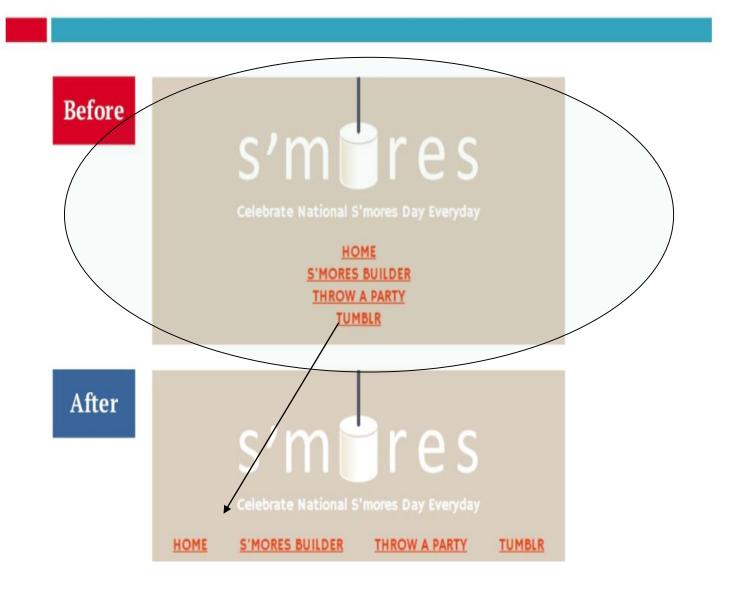
1. Turn into flex container:

```
.list-nav {
   display: flex;
   flex-direction: row; /* default */
}
```

2. Children become flex items laid out on single horizontal line



Demo: horizontal navigation



Demo: horizontal navigation

```
Turn into flex container:
.list-nav
display: flex;
flex-direction: row;
Children become flex
items laid out on single
horizontal line
```

Sophisticated page layout control

- Style elements into columns/rows using 'flexible' boxes
- We'll learn to use versions of the following properties:

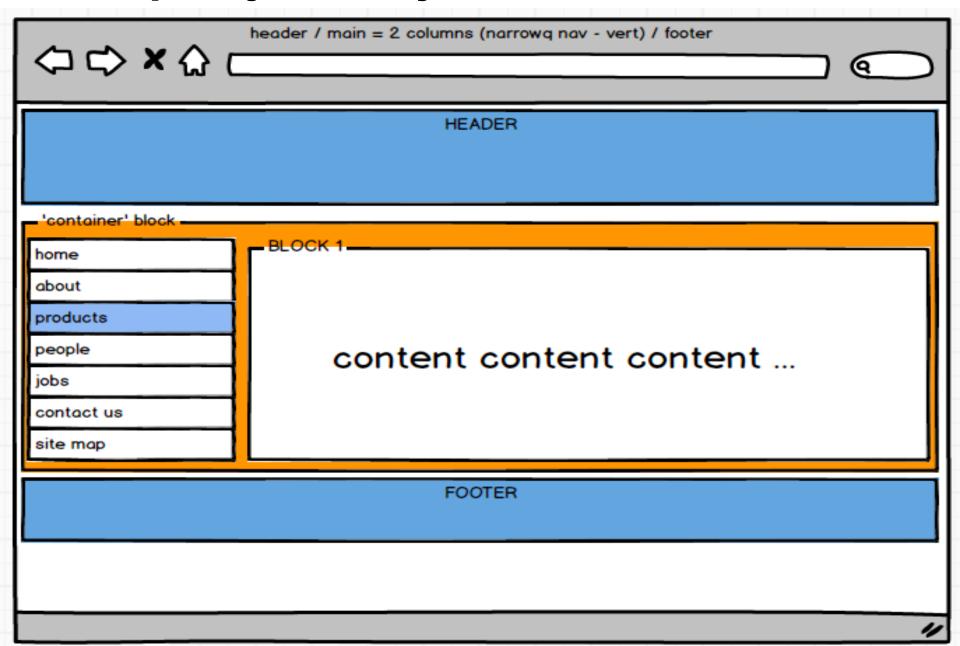
```
display: flex
flex: 1 0 200px
flex-wrap: wrap | nowrap | wrap-reverse
flex-direction: row / column
align-items: center;
```

- For navbars, multi-column layouts, 'gallery' pages
 - Straightforward & consistent approach to layouts

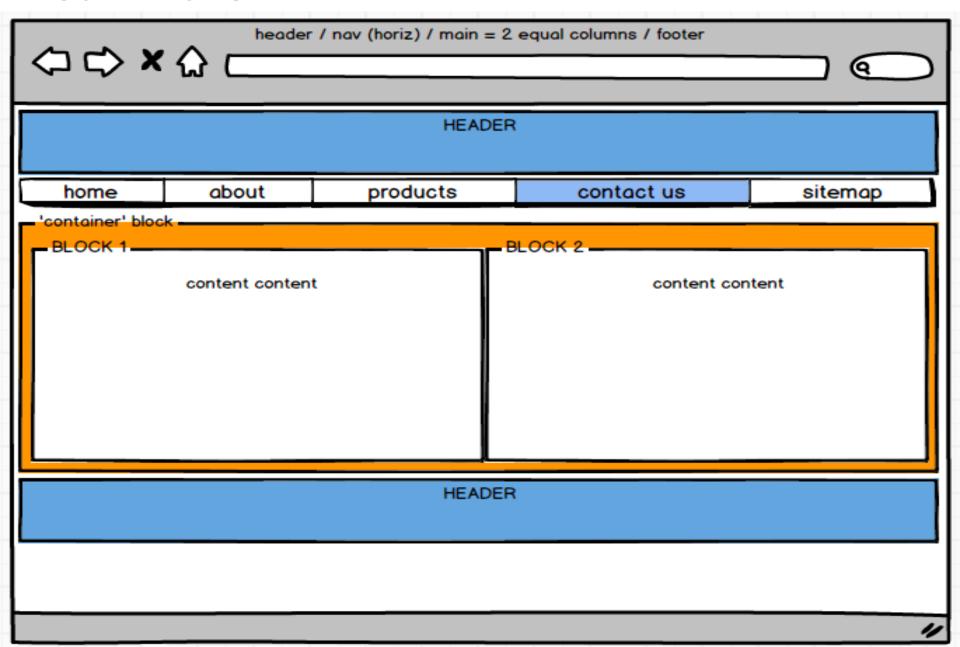
Wouldn't it be nice if ...

- We could keep all the advantages of blocks
 - Margins and padding on all 4 sides
 - They 'fill' available space
- But we control whether blocks line up:
 - Like a row (left to right)
 - Like a column (top to bottom)
 - Or a mixture for complex page layouts ...
- Flexible boxes allow us to CHANGE default layouts to allow control over page layouts ...

Example layout easily achieved with flex boxes



So will this ...



Before we worry about the CODE Understand the RECTANGLES ...

KISS (Keep It Simple Silly ...)

- Make use of these DEFAULT layouts
 - Don't add CSS style or extra HTML DIVs etc. if not needed!
 - So we'll analyze rows then columns then rows etc.
- Typical page layouts naturally have several self-contained horizontal blocks
 - These fit within default block-level layout
 - And may not need any special layout CSS ...











Номе	ABOUT TAEKWON-DO	II News & Events	THEORY & GRADING
Instructors	CLASSES	II LINKS	CONTACT US

Here are links to some related Taekwon-Do associations

Irish National Taekwon-Do Association



· All Europe Taekwon-Do Federation



· International Taekwon-Do Federation





Maynooth Taekwon-Do School @ 2010-2013 • Privacy Policy

Website development by Matt Smith, email: webmaster





Divide your page into simple horizontal sections to start with and leave the mre complex layouts for now..

- Each self-contained horizontal section should be a block
 - See how many horizontal lines you can draw
 - That run full width of page ...
- Usually we'll have some / all of the following
 - Header
 - Nav
 - Main
 - Footer



header









MAYNOOTH TAEKWON-DO SCHOOL

Номе	ABOUT TAEKWO	10.01	News & Events	THEORY & GRADING	
Instructors	CLASSES	nav	Links	Contact Us	

Here are links to some related Taekwon-Do associations

· Irish National Taekwon-Do Association

Main – will have 3 column layout

International Taekwon-Do Federation











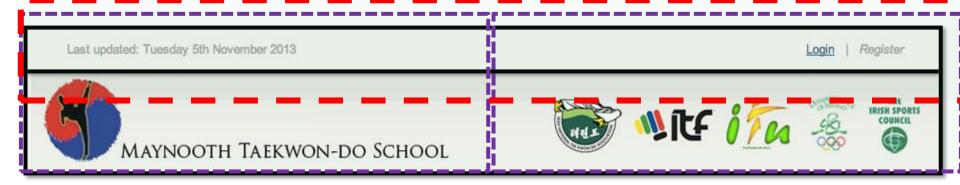




This will help in development and will help reduce the complexity of development

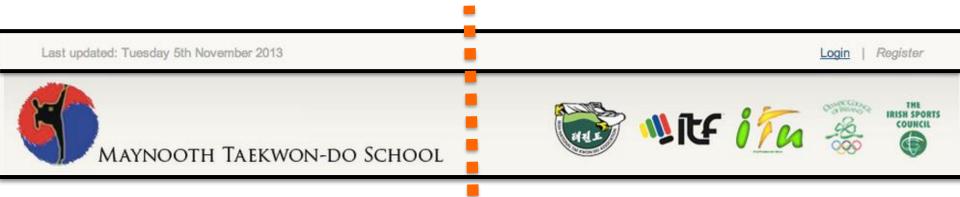
- Limit yourself to 4 or 5 small page sections to code
- We now have identified 4 horizontal blocks:
 - header
 - nav
 - main
 - Footer
- We'll worry about each individually
 - Although sometimes 2 or 3 can be coded together...

Step 2: Analyse blocks on your page in terms of vertical sections or what will be a horizontal section



- Options for this layout
 - ☐ Have a single 'header' element, with 2 sections
 - ☐ Have two 'header' elements, with different IDs

Is there similar layout within each block??

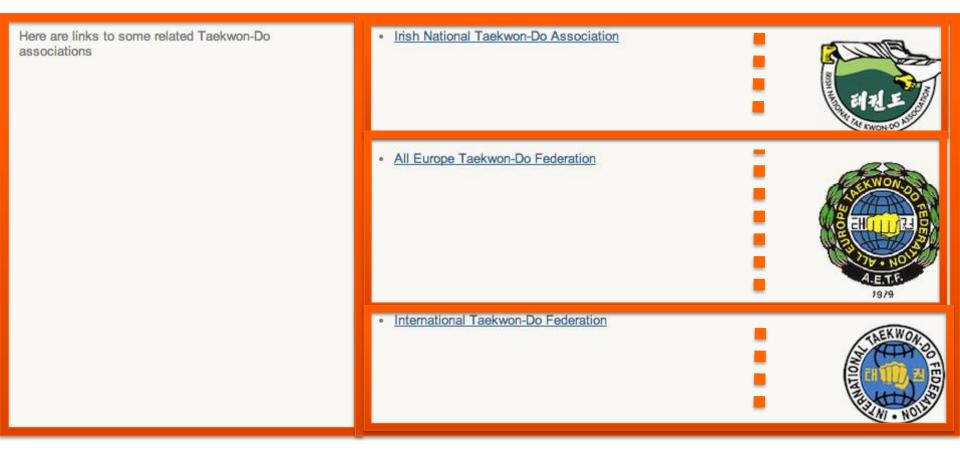


- Yes both can be treated as split into 2 equal columns
 - So we'll treat these together, since can have same rules for each section of the header

(2b) nav			
Номе	About Taekwon-Do	News & Events	THEORY & GRADING
Instructors	Classes	Links	Contact Us

- Here we see 2 rows of 4 columns
- We could treat this as 2 nav lists
 - Row1: home / about / news / theory
 - Row2: instructors / classes / links / contact
- Or we could treat this as one nav block
 - with wrapping when elements might be squashed smaller than a quarter width etc.
- Choose whichever is most straightforward

(2c) main

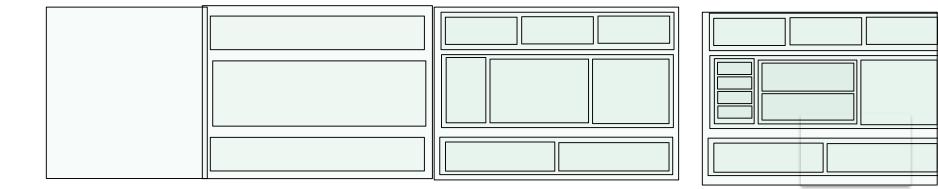


- So 2 columns / vertical sections
- Right hand section then split into 3 horizontal sections
 - Each of these split into 2 columns
 - (or perhaps we could use a simple 'float' for these images)

And so on ...

- So for each horizontal section
 - If required, identify vertical sections within
 - for each vertical section within, identify horizontal sections
 - And so on ...

 A 'recursive', rectangle sub-division of page structure



blocks_display

NOT FLEXBOX

DISPLAY: BLOCK;

FLEXBOX

DISPLAY: FLEX;

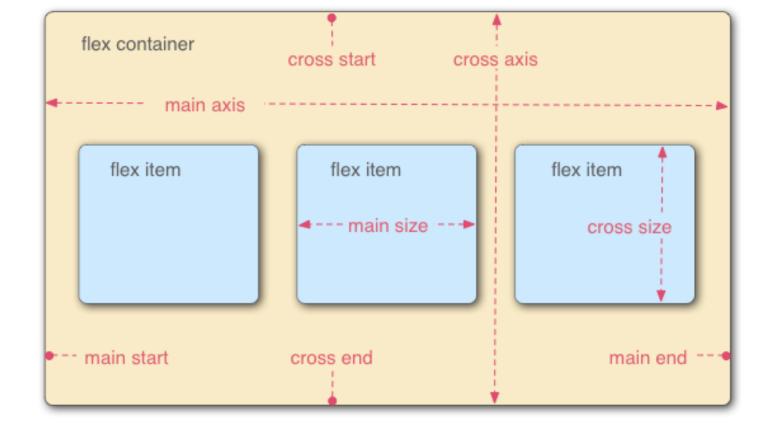
NOT FLEXBOX

FLOAT: LEFT;

NOT FLEXBOX

FLOAT: RIGHT;

Header Home About Products Contact Anide 1 Axide 2 Lorem ipsum dolor sit amet, consectetor adiphicing clit, sed do clusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrod exercitation ultamos laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit eue cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt moltit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do elusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim venium, quis nostrud exercitation ullumco laboris sisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit euse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culps oul officia deserunt mollit anim id est laborum. Feeter



2 important core concepts:

- Flex 'container' (parent block)
- Flex 'item' (child blocks)
- OR use a wrapper...same code different name
- e.g <div id ="wrapper">

- Each section has a bit of style (red border etc.)
- So we can see its boundaries

```
<section>
   <h2>BLOCK 1</h2>
   >
       content content
   </section>
<section>
   <h2>BLOCK 2</h2>
   >
       content content
```

</section>

BLOCK 1 content content **BLOCK 2** content content



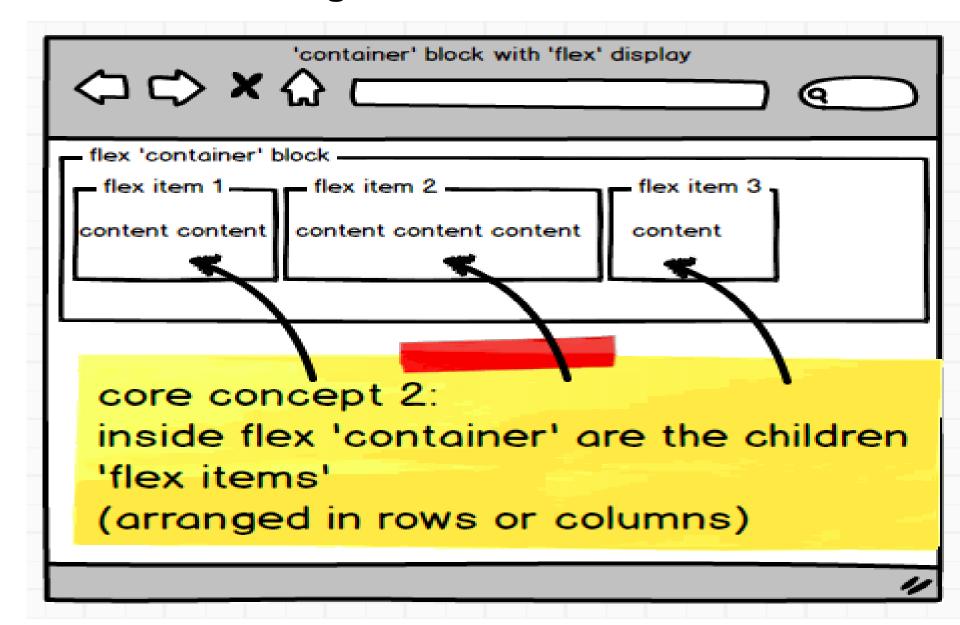
blocks_in_flex_parent

We place the 2 SECTIONS inside a DIV parent given the ID = column_container

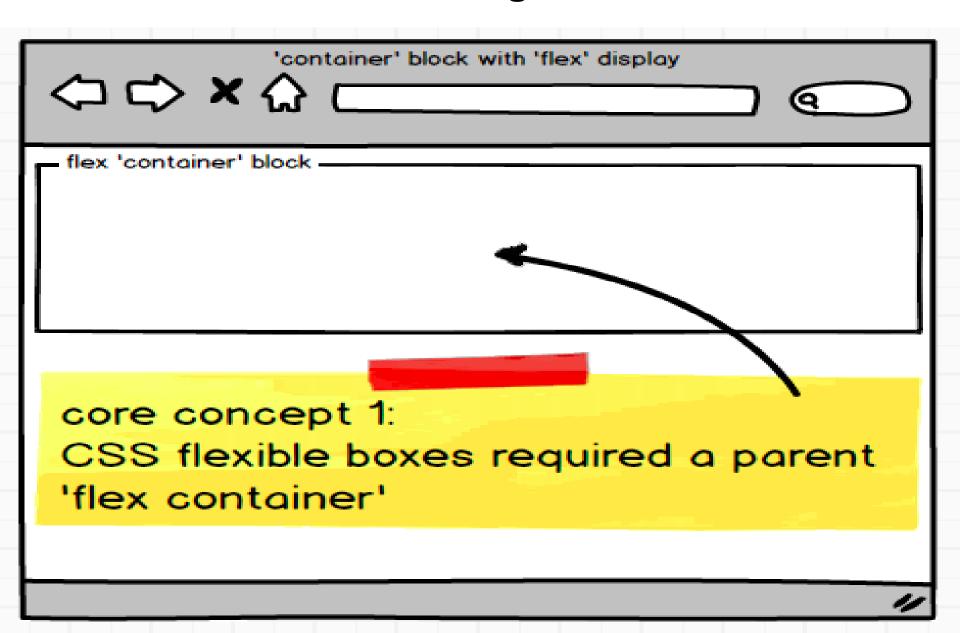
```
<div id="column container">
  <section>
                               parent
      <h2>BLOCK 1</h2>
      >
         content content
      child
  </section>
  <section>
      <h2>BLOCK 2</h2>
      >
         content content
      </section>
</div>
```

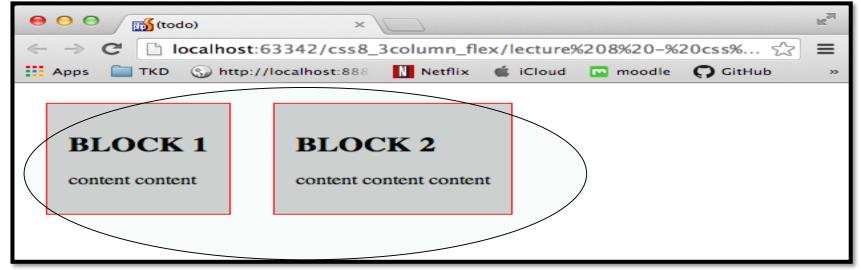
The flex 'items'

- the children being laid out in the 'container'



The flex 'container' block whose children can be arranged in rows or columns



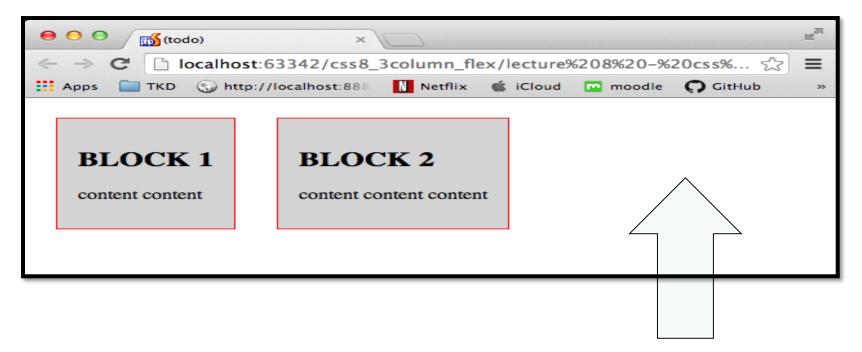


The DIV has been styled as a 'flex container'

display: flex;

 So the 2 SECTION children inside this DIV line up left-to-right (<u>row layout</u> is <u>default for flex containers</u>)

```
#column_container {
    -webkit-display: flex;
    display: flex;
}
We have
flexed the
parent
```



Note

- There is spare space on the right
- We can tell the children to 'stretch' to use up the spare space ...

blocks_stretch_no_wrap

BLOCK 1

content content

BLOCK 2

content content

- The HTML is unchanged
- Each section has been styled to equally stretch with any spare width by adding the following code:

```
flex; 1;
```

So the 2 SECTION children expand to be 2 equal columns

```
#columns
#column_container section {
    flex: 1;
    -webkit-flex: 1;
```



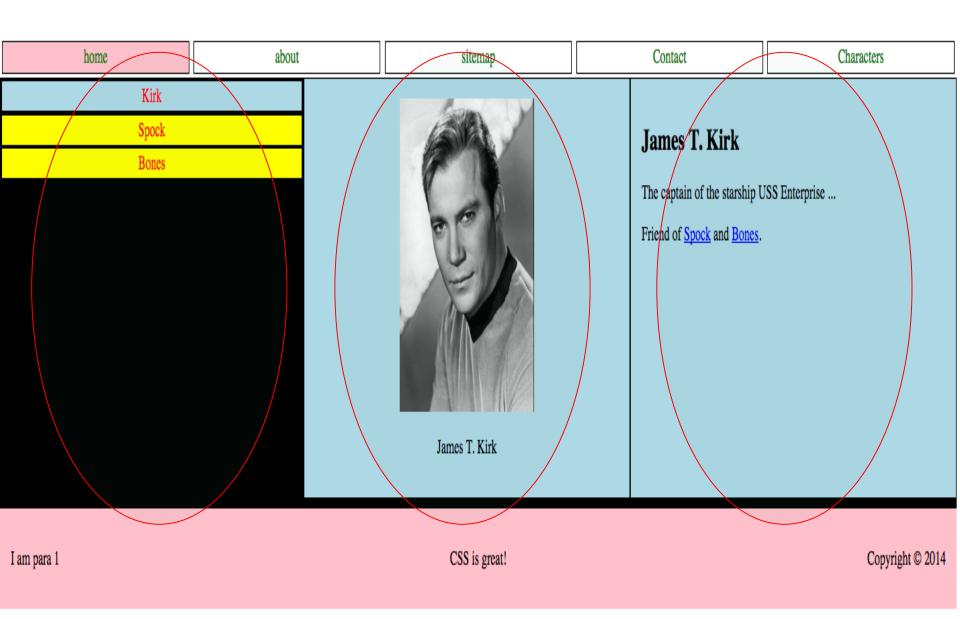
Here is same – but no margins on body or the sections – clean and simple 2 columns ...

Column 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

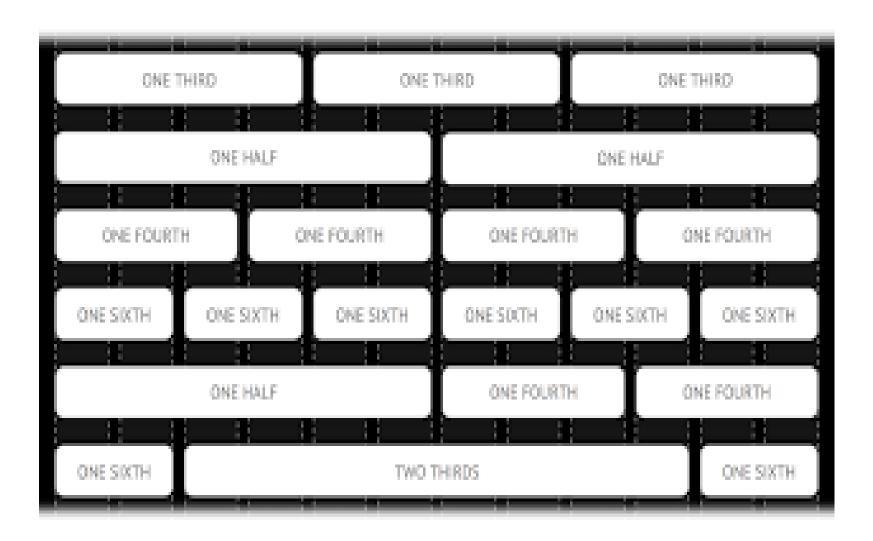
Column 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.



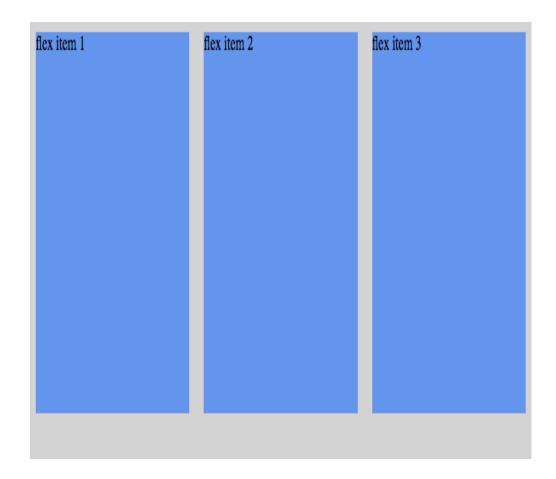
A sample flexed website

Flex Box division Options



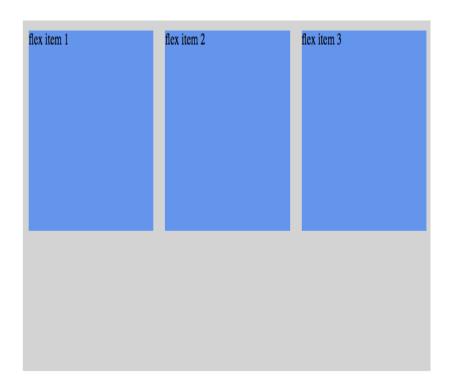
Html and CSS- container flexed with 3 flex boxes within it.

```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
    display: -webkit-flex;
    display: flex;
   width: 700px;
    height: 350px;
    background-color: lightgrey;
.flex-item {
    background-color: cornflowerblue;
   width: 500px;
    height: 300px;
   margin: 10px;
</style>
</head>
<body>
<div class="flex-container">
  <div class="flex-item">flex item 1</div>
  <div class="flex-item">flex item 2</div>
  <div class="flex-item">flex item 3</div>
</div>
```



Re-sizing the flexboxes within the container

```
.flex-item {
    background-color: cornflowerblue;
    width: 500px;
    height: 200px;
    margin: 10px;
```

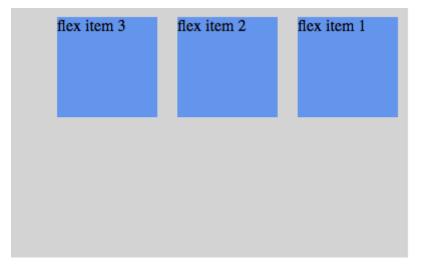


Changing the order of the boxes in the container

```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
    display: -webkit-flex;
    display: flex;
    -webkit-flex-direction: row-reverse;
    flex-direction: row-reverse;
    width: 400px;
    height: 250px;
    background-color: lightgrey;
                                                       flex item 3
.flex-item {
    background-color: cornflowerblue;
    width: 100px;
    height: 100px;
    margin: 10px;
                                                       flex item 2
</style>
</head>
<body>
<div class="flex-container">
                                                       flex item 1
  <div class="flex-item">flex item 1</div:</pre>
  <div class="flex-item">flex item 2</div:</pre>
  <div class="flex-item">flex item 3</div:</pre>
</div>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
    display: -webkit-flex;
    display: flex;
    -webkit-flex-direction: column-reverse;
   flex-direction: column-reverse;
   width: 400px;
   height: 250px;
   background-color: lightgrey;
.flex-item {
    background-color: cornflowerblue;
   width: 100px;
   height: 100px;
   margin: 10px;
</style>
</head>
<body>
<div class="flex-container">
  <div class="flex-item">flex item 1</div>
  <div class="flex-item">flex item 2</div>
  <div class="flex-item">flex item 3</div>
</div>
```

Changing the order of the boxes in the container



```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
    display: -webkit-flex;
    display: flex;
    -webkit-flex-wrap: nowrap;
    flex-wrap: nowrap;
   width: 300px;
    height: 250px;
    background-color: lightgrey;
}
.flex-item {
    background-color: cornflowerblue;
   width: 100px;
    height: 100px;
   margin: 10px;
</style>
</head>
<body>
<div class="flex-container">
  <div class="flex-item">flex item 1</div>
  <div class="flex-item">flex item 2</div>
  <div class="flex-item">flex item 3</div>
</div>
```



one_fixed_one_flex

Left (red) column is FIXED width (width: 200px) Right (grey) column flexes (flex: 1)

Column 1 (fixed)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

Column 2 (flex)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

Each section given a classso can be styled differently

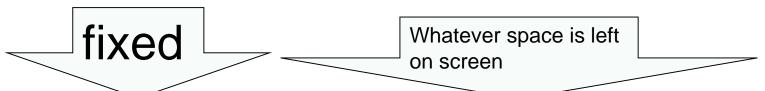
```
<div id="column_container">
   <section class= "fixed">
      < h2 > Column 1 (fixed) < /h2 >
      >
          content content
      </section>
   <section class= "flex">
       < h2 > Column 2 (flex) < /h2 >
       >
          content content
      </section>
```

</div>

Only one section class (right column) flexes (so it takes up all the spare width ...)

```
#column_container (section.fixed)
    width: 200px;
    background-color: red;
    color: yellow;
    padding: 1em;
#column container section.flex {
    -webkit-flex: 1;
    flex: 1;
    background-color: lightgray;
    padding: 1em;
```

Only one section class (right column) flexes (so it takes up all the spare width ...)



Column 1 (fixed)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

Column 2 (flex)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

Add another flex column – no change to CSS

Column 1 (fixed)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

Column 2 (flex)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interrete.

Column 3 (flex)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Haec et tu ita posuisti, et verba vestra sunt. Quae in controversiam veniunt, de iis, si placet, disseramus. Nam de isto magna dissensio est. Ita nemo beato beatior. Duo Reges: constructio interretz.

```
#column_container section.fixed {
    width: 200px;
    background-color: red;
    color: yellow;
    padding: 1em;
}

#column_container section.flex {
    -webkit-flex: 1;
    flex: 1;
    background-color: lightgray;
    padding: 1em;
}
```

Just add another section!!

```
<div id="column container">
    <section class= "fixed">
       <h2>Column 1 (fixed)</h2>
       >
           content content
       </section>
    <section class= "flex">
        \frac{h2}{column 2 (flex)}
          >
           content content
       </section>
    <section class= "flex">
        < h2 > Column 3 (flex) < /h2
          >
           content content content
       </section>
</div>
```

blocks_in_flex_parent_allowing_wrap

Style flex container (parent) to allowing wrapping

BLOCK 1

content content

BLOCK 2

content content

BLOCK 2

content content

BLOCK 2

content content

BLOCK 2

content content

Required: style flex container to allow wrapping

Add code to flex container (parent) block, to allow wrapping

```
#column_container {
    -webkit-display: flex;
    display: flex;
    -webkit-flex-wrap: wrap;
    flex-wrap: wrap;
}
```

CSS for the sections

```
#column_container section {
     flex: 1 0 200px;
  -webkit-flex: 1;
  background-color: gray;
  color:white;
  border: 1px solid red;
  margin:2em;
Padding:2em;
```

Browser window

Block 1

content content

Block 2

content content

Block 3

content content

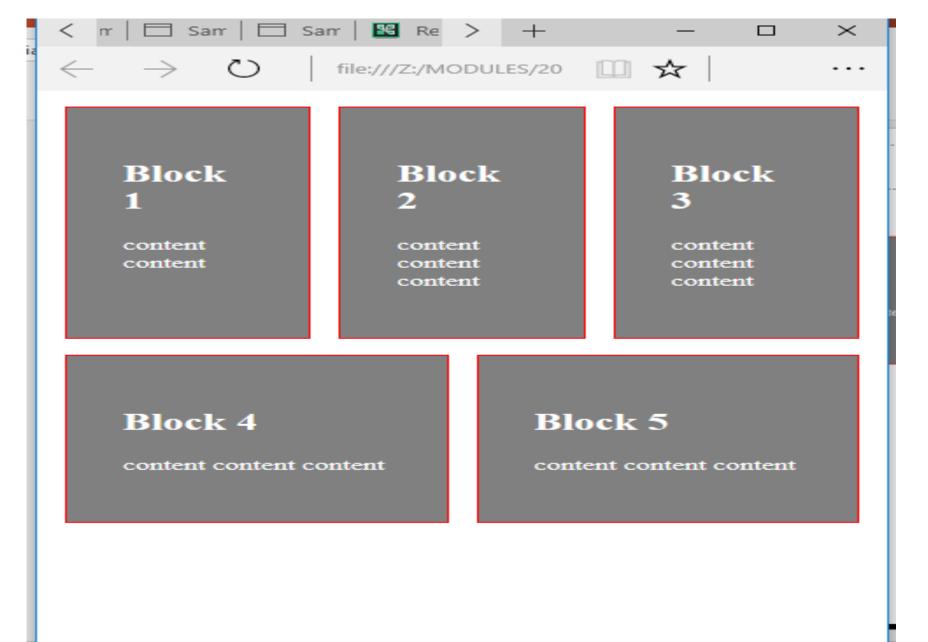
Block 4

content content content

Block 5

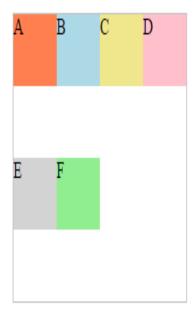
content content

Re-sized browser window



Make the flexible items wrap if necessary:

```
#main {
  width: 200px;
  height: 200px;
  border: 1px solid #c3c3c3;
  display: -webkit-flex; /* Safari */
  -webkit-flex-wrap: wrap; /* Safari 6.1+ */
  display: flex;
  flex-wrap: wrap;
#main div {
  width: 50px;
  height: 50px;
</style>
</head>
<body>
<div id="main">
 <div>A</div>
 <div>B</div>
 <div>C</div>
 <div>D</div>
 <div>E</div>
 <div>F</div>
</div>
```



Note: Internet Explorer 10 and earlier versions do not support the flex-wrap property.

Note: Safari 6.1 (and newer) supports an alternative, the -webkit-flex-wrap property.

Usually desired: style flex items to stretch (and then wrap when a min-width occurs)

- Flex item (child) blocks to stretch: with third, argument:
 - Minimum width to trigger wrapping ...#column_container section {

```
-webkit-flex: 1 0(200px;
```

flex: 1 0 200px;

BLOCK 1

content content

BLOCK 2

content content content

BLOCK 2

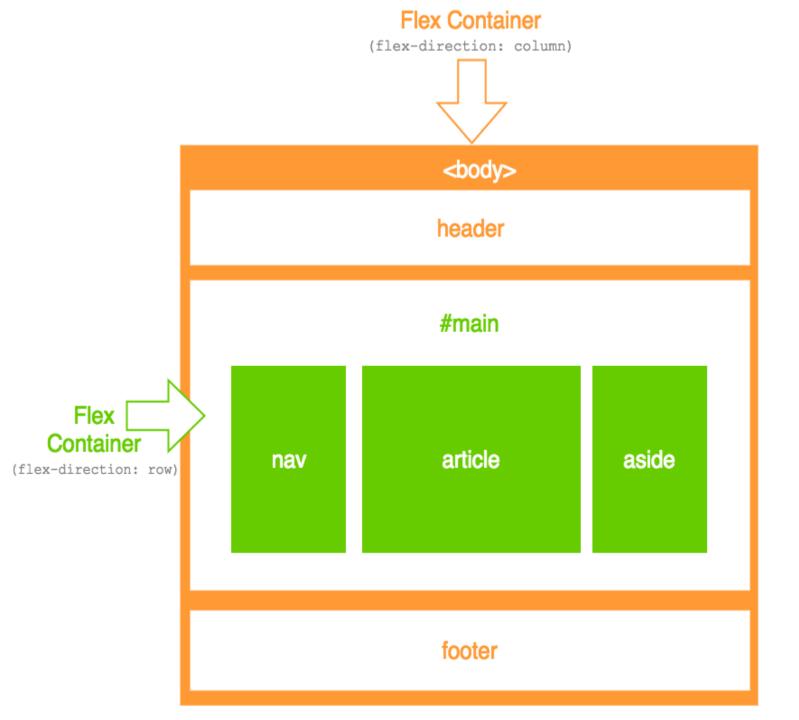
content content

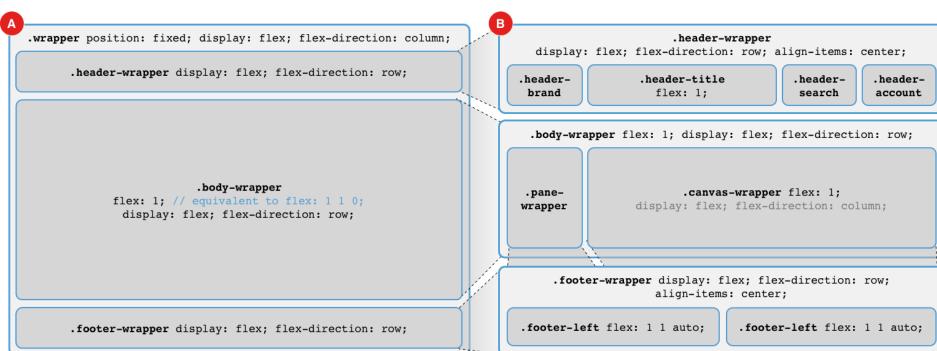
BLOCK 2

content content content

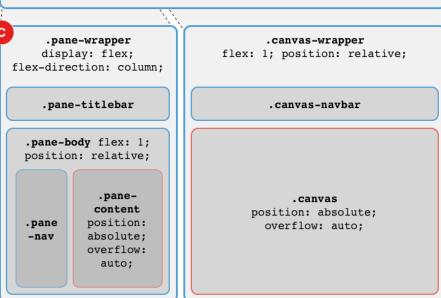
BLOCK 2

content content





Sample Layout Design



Breaking it down

```
.gallery-item {
  flex: 1 0 200px;
```

flex-grow give every item 1 share

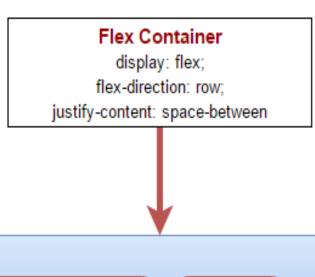
of extra width

don't let the items shrink at all (but they wouldn't anyway due to

flex-wrap)

flex-shrink

flex-basis start them out at 200 pixels wide (basically, min-width)



flex: 1; flex: 2; flex: none; flex: none; width: 200px; width: 100px; fixed in size auto sizes to fill fixed in size auto resizes to fill Flex Items

Flex-grow

```
.flex-container {
 display: flex;
.flex-item.section{
 flex-grow: 1;
.flex-item.section{
 flex-grow: 2;
```

Flex-shrink

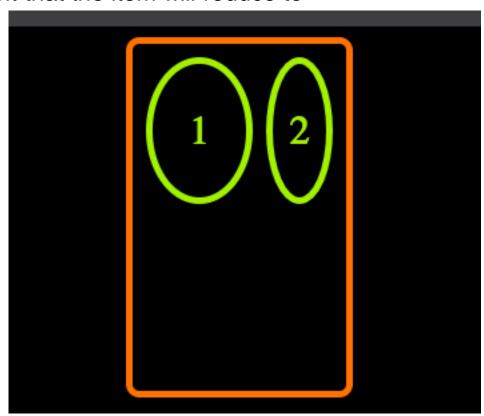
• flex-shrink only takes effect when the flex items overflow the flex container because of insufficient space.

It is the ratio of overflowed width/height that the item will reduce to

fit exactly the container's size.

• When being set to 0, the flex item will reduce 0% of the overflowed space, meaning it will not shrink at all.

- In this example, the ratio is 1:2,
- meaning the first item will reduce
- 1/3, while the second item will reduce
- ⅔ of the extra space.

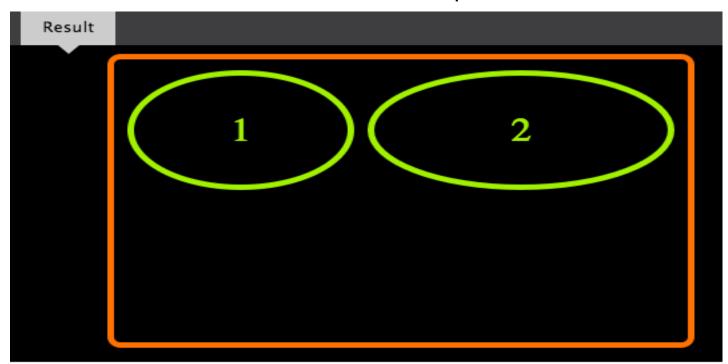


Expand elements

```
.flex-container {
 display: flex;
.flex-item.section{
 flex-grow: 1;
.flex-item.section {
 flex-grow: 2;
```

Flex-grow

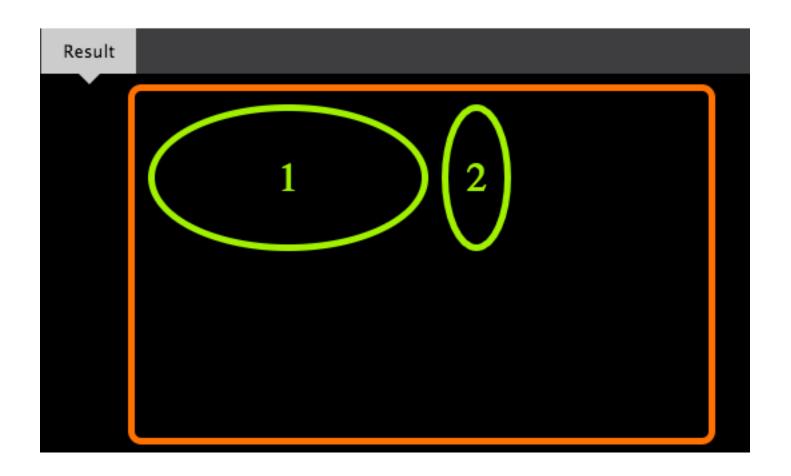
- flex-grow takes effect only when there is remaining space in a flex container.
- flex-grow of a flex item is the ratio of container's remaining width/height that the item takes to fit exactly the container's size.
- Default is set to be 1.
- When being set to 0, the flex item will take 0% of the remaining space, meaning it will not grow at all.
- In this example, the ratio is 1:2, meaning the first item will take up ½, while the second item will take ¾ of the space left.



flex-basis

```
.flex-container {
 display: flex;
.flex-item.section {
 flex-basis: 200px;
.flex-item.section {
 flex-basis: 10%;
```

- Instead of using the initial size of an element, you can customize its size with flex-basis.
- By default the value is flex-basis: auto, in this case the initial size calculated from non-flexbox css rules are used.
- You can also set it to some absolute value and percentage value with respect to the flex container, for example flex-basis: 200px and flexbasis: 10%.



Put flex-grow, flex-shrink, flex-basis together

```
.flex-container {
 display: flex;
.flex-item:section {
 flex: 1 0 100px;
.flex-item:section {
 flex: 2 0 10%;
   We will do this in next weeks lab
```

Some handy uses of flexible boxes......

Header/footer - left right alignment

- Flexible container
- 2 flex items
- Text align first one <u>LEFT</u> (default)
- Text align second one <u>RIGHT</u>

logo

Search/link/logins

CSS flexible boxes

- BLOCK level elements
 - Basics are just 2 steps
- (2) Flex 'items' (children of container)
 - In most cases we wish to make items equal width
 - (and 'stretch' to fill available width of flex container)

```
flex: 1;
```



Other issues wrap items

- 2 steps for wrapping blocks for narrow widths:
- (1) for flex container add:

```
flex-wrap: wrap;
```

(2) for flex item need to specify min-width to trigger wrap

```
flex: 1 0 200px;
```

Other issues ITB older Chrome versions – need –webkit-

```
display: flex;
                                   Flex
display: -webkit-flex;
                                   container
flex-wrap: wrap;
                                   properties
-webkit-flex-wrap: wrap;
flex-direction: column;
-webkit-flex-direction: column;
align-items: center;
-webkit-align-items: center;
```

```
flex: 1;
-webkit-flex: 1;
flex: 1 0 10em;
-webkit-flex: 1 0 10em;
Flex item
properties
```

Slide 80

Sample flex sites

The Envato Tuts+ Report

Read tutorial



Hello World

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin ornare magna eros, eu pellentesque tortor vestibulum ut. Maecenas non massa sem. Etiam finibus odio quis feugiat facilisis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin ornare magna eros.

By Joe Smith 42 comments



Hello World

Lorem ipsum dolor sit amet, consectetur



Hello World

Lorem ipsum dolor sit amet, consectetur



Hello World

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By Joe Smith 42 comments

Hello World

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By Joe Smith

42 comments

Flex Flex 1 Each section gets even space



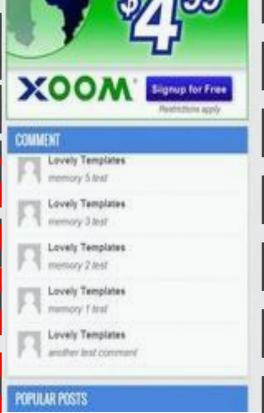




vehicula interdum gravida.

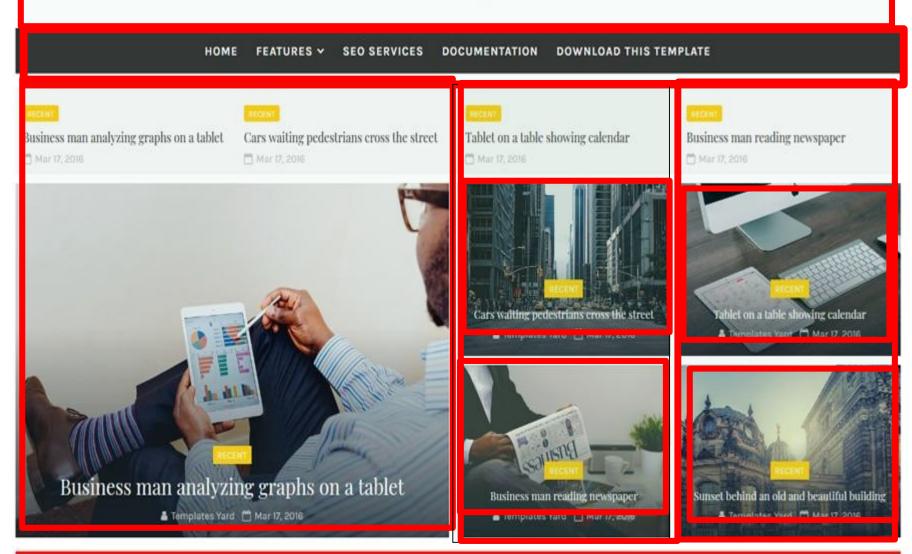
Curabitu.







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FYI- Flexible boxes are W3C recommended layout format

- So (as with any part of computing) you need to keep up with web new standards as they are published
- Sources of flexible box information:
 w3c candidate recommendation (2012)
 dev.w3.org/csswg/css-flexbox/
 w3c EDITOR'S draft (2013)
 dev.w3.org/csswg/css-flexbox/
 CSS tricks website (2013)
 css-tricks.com/snippets/css/a-guide-to-flexbox/