

Chapter 1: Foundations and Tools

The screenshot shows the Chrome DevTools interface. The top bar includes 'Elements', 'Network', 'Sources', 'Timeline', 'Profiles', 'Resources', 'Audits', 'Console', 'EditThisCookie', and 'AngularJS'. The 'Elements' panel is active, showing a tree view of the document structure. The selected element is a `div` with the ID `container`. The 'Styles' panel on the right shows the default browser styles for the `div` element, including `margin: 0;`, `font-size: 12px;`, and `background-color: #fff;`. A visual representation of the box model is shown, with dimensions of 527.273 x 7707.460. The 'Pseudo' section shows `::selection` styles.

The screenshot shows the homepage of the Less.js website. The header includes the Less.js logo and navigation links for 'Language Features', 'Function Reference', 'Usage', 'About', and 'GitHub'. The main heading is 'Getting started', followed by the sub-heading 'An overview of Less, how to download and use, examples and more.'

less v2.5.1 has been released - [See what's new](#)

The screenshot shows the 'Getting Started' page on the Less.js website. The page has a dark blue header with the Less.js logo and navigation links. The main content area is white and features a large heading 'Getting Started'. Below the heading, there is a paragraph explaining that Less is a CSS pre-processor that extends the CSS language with variables, mixins, and other techniques. A second paragraph states that Less runs inside Node, in the browser, and inside Rhino, with many 3rd party tools available for compilation and watching changes. The page concludes with the text 'For example:'.

Fork me on GitHub



Expressive, dynamic, robust CSS

CSS needs a hero

```
body {  
  font: 12px Helvetica, Arial, sans-serif;  
}  
a.button {  
  -webkit-border-radius: 5px;  
  -moz-border-radius: 5px;  
  border-radius: 5px;  
}
```

What if we could omit braces?

- Selectors
- Variables
- Interpolation
- Operators
- Mixins
- Functions
- Keyword Arguments
- Built-in Functions
- Rest Params
- Comments
- Conditionals
- Hashes
- Iteration
- @import and @require
- @media
- @font-face
- @keyframes
- Other @-rules
- @extend
- @block
- url()
- CSS Literal
- CSS Style Syntax
- Char Escaping
- Executable
- Error Reporting
- Connect Middleware
- Introspection API
- JavaScript API
- Sourcemaps
- CSS3 Extensions with Nib
- Try Stylus Online!



CSS with superpowers



Sass is the most mature, stable, and powerful professional grade CSS extension language in the world.

[Current Release: Selective Steve \(3.4.17\)](#) [Release Notes](#) [Fork on Github](#)

CSS COMPATIBLE

Sass is completely compatible with all versions of CSS. We take this compatibility seriously, so that you can seamlessly use any available CSS libraries.

FEATURE RICH

Sass boasts more features and abilities than any other CSS extension language out there. The Sass Core Team has worked endlessly to not only keep up, but stay ahead.

MATURE

Sass has been actively supported for over 8 years by its loving Core Team.

INDUSTRY APPROVED

Over and over again, the industry is choosing Sass as the premier CSS extension language.

LARGE COMMUNITY

Sass is actively supported and developed by a consortium of several tech companies and hundreds of developers.

FRAMEWORKS

There are endless number of frameworks built with Sass. [Compass](#), [Bourbon](#), and [Susy](#) just to name a few.



PerfectPixel by WellDoneCode

offered by welldonecode.com

★★★★★ (296)

[Developer Tools](#)

104,893 users

+ ADD TO CHROME



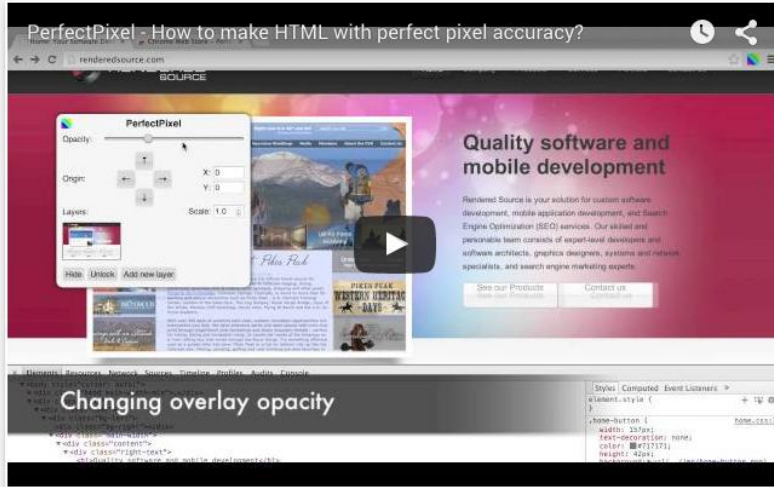
OVERVIEW

REVIEWS

SUPPORT

RELATED

G+1 351



Compatible with your device

This extension helps develop your websites with per pixel accuracy!

Extension for web developers and markup designers.

This extension allows developers to put a semi-transparent image overlay over the top of the developed HTML and perform per pixel comparison between them.

--> Extension is AD supported. Ads are injected into PerfectPixel panel only, no any injections into websites. If you wish to disable ads you can do it in extension [Options menu](#)

[Website](#)

[Report Abuse](#)

Version: 1.76

Updated: July 26, 2015

Size: 410KB

Languages: [See all 2](#)

USERS OF THIS EXTENSION HAVE ALSO USED

[SEOquake](#) ★★★★★ (1224)
 [AdmitThisCookie](#) ★★★★★ (2641)
 [ColorPick Eyedropper](#) ★★★★★ (590)
 [Google Analytics Debugger](#) ★★★★★ (374)



MeasureIt

offered by kevinfreitas.net

★★★★☆ (372)

[Developer Tools](#)

90,769 users

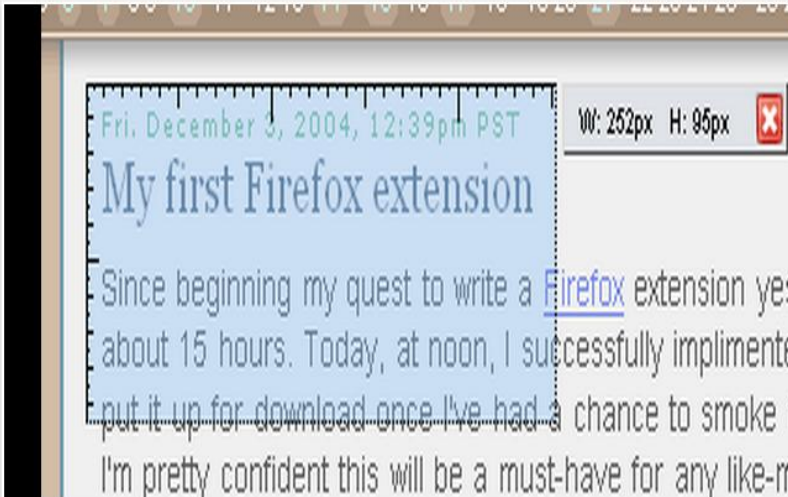
ADDED TO CHROME

OVERVIEW

REVIEWS

RELATED

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Compatible with your device

Draw out a ruler to get the pixel width and height of any elements on a webpage.

Draw a ruler across any webpage to check the width, height, or alignment of page elements in pixels. Please note that this software is BETA as it's my first attempt at porting over my popular Firefox version. Your feedback is welcome here or over at my website. Cheers!

[Website](#)

[Report Abuse](#)

Version: 0.4.14

Updated: August 27, 2014

Size: 18.16KB

Language: English

USERS OF THIS EXTENSION HAVE ALSO USED

<p><</p> <p>Stylish ★★★★★ (8651)</p>		<p>Eye Dropper ★★★★★ (927)</p>		<p>Tag Assistant (by Google) ★★★★★ (296)</p>		<p>JSONView ★★★★★ (1582)</p>	<p>></p>
---	--	------------------------------------	--	--	--	----------------------------------	-------------

Can I use

flex

? Settings

1 result found

Flexible Box Layout Module - WD

Method of positioning elements in horizontal or vertical stacks. Support includes the support for the all properties prefixed with flex as well as `display: flex`, `display: inline-flex`, `align-content`, `align-items`, `align-self`, `justify-content` and `order`.

Global 80.97% + 13.85% = 94.82%
unprefixed: 71.07% + 0.18% = 71.24%
Poland 85.98% + 11.52% = 97.5%
unprefixed: 84.41% + 0.07% = 84.47%

Current aligned Usage relative Show all

IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Chrome for Android
8			31					4.1	
9		38	43					4.3	
10		39	44			7.1		4.4.4	
11	12	40	45	8	31	8.4	8	44	44
	13	41	46	9	32	9			
		42	47		33				
		43	48						



Notes Known issues (9) Resources (10) Feedback

Most partial support refers to supporting an older version of the specification or an older syntax.

¹ Only supports the old flexbox specification and does not support wrapping.

² Only supports the 2012 syntax

³ Does not support flex-wrap or flex-flow properties

 = Supported  = Not supported  = Partial support  = Support unknown

Element green font10

Element black font24

Element blue font17

Contact form

Contact page

Recommendation form

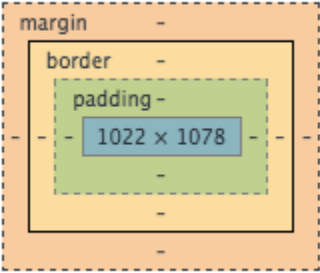
Contact form

Contact form

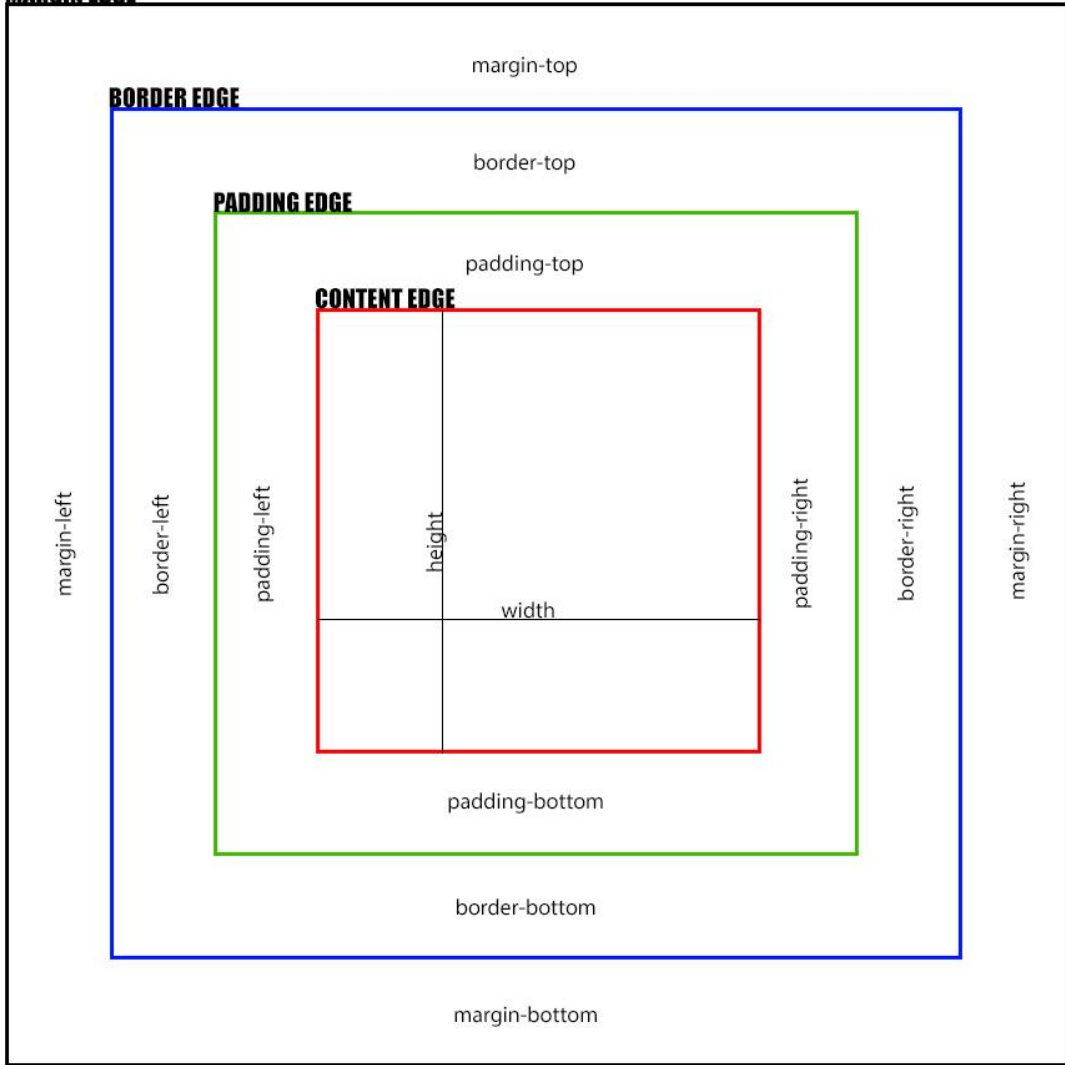
Recommendation form


Recommendation form

Chapter 2: Mastering of Fundamentals

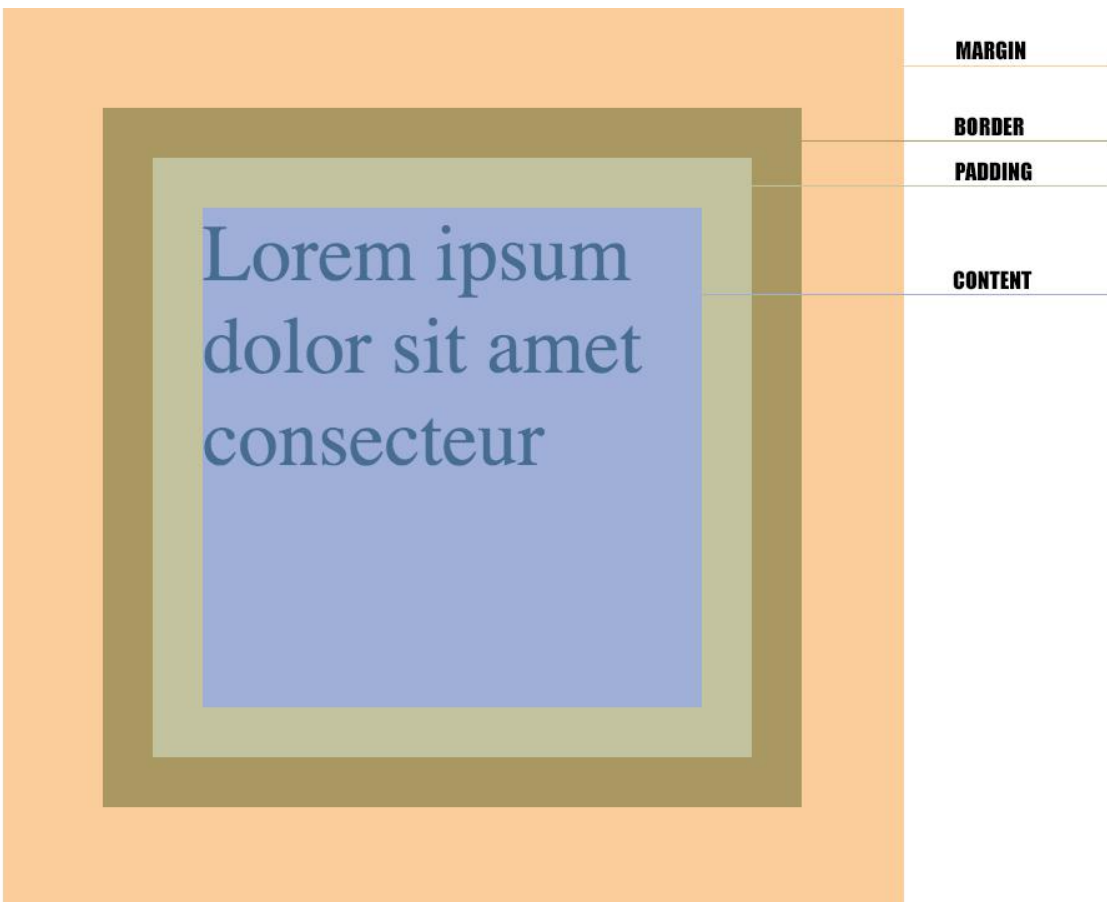
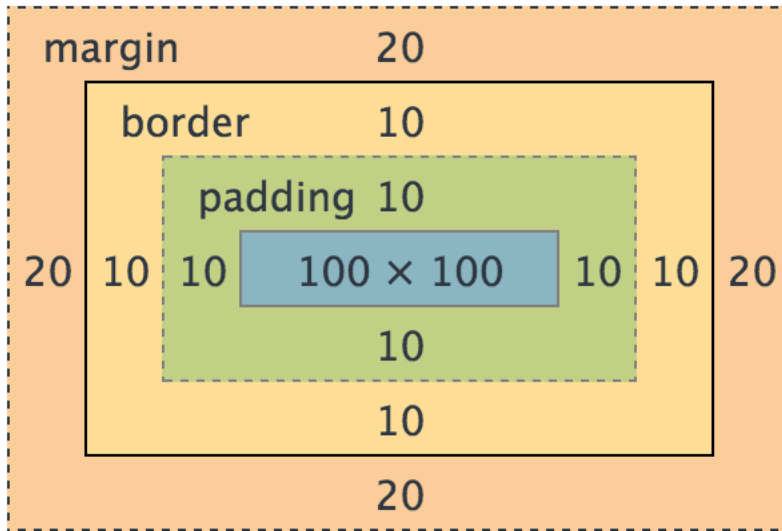


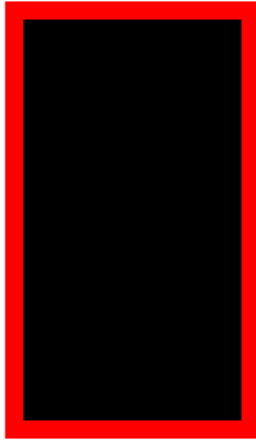
MARGIN EDGE





Lorem ipsum
dolor sit amet
consectetur





Elements Network Sources

html body **div.boxmodel**

Styles Event Listeners DOM Breakpoints Properties \$scope

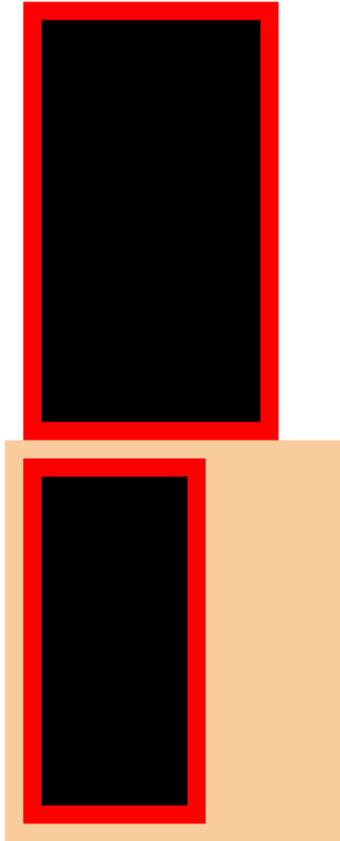
Filter

```
element.style {  
}  
  
.boxmodel { main.sass:6  
  width: 100px;  
  height: 200px;  
  margin: 10px;  
  padding: 10px;  
  background-color: #000;  
  border: 10px solid red;  
}  
  
div { user agent stylesheet  
  display: block;  
}
```

margin 10
border 10
padding 10
100 x 200
10 10 10 10 10 10 10 10

Filter Show inherited

```
background-attachment: scroll;  
background-clip: border-box;  
background-color: #rgb(0, 0, 0);  
background-image: none;  
background-origin: padding-box;  
background-size: auto;  
border-bottom-color: #rgb(255, 0, 0);  
border-bottom-style: solid;  
border-bottom-width: 10px;  
border-image-outset: 0px;  
border-image-repeat: stretch;  
border-image-slice: 100%;  
border-image-source: none;  
border-image-width: 1;  
border-left-color:
```



Elements Network Sources

html body **div.boxmodel.borderbox**

Styles Event Listeners DOM Breakpoints Properties \$scope

Filter

```

element.style {
}
.boxmodel.borderbox { main.sass:14
  box-sizing: border-box;
}
.boxmodel { main.sass:6
  width: 100px;
  height: 200px;
  margin: 10px;
  padding: 10px;
  background-color: #000;
  border: 10px solid red;
}
div { user agent stylesheet
  display: block;
}

```

margin 10
border 10
padding 10
60 x 160
10 10 10
10 10 10

Filter Show inherited

```

background-attachment: scroll;
background-clip: border-box;
background-color:
  rgb(0, 0, 0);
background-image: none;
background-origin: padding-box;
background-size: auto;
border-bottom-color:
  rgb(255, 0, 0);
border-bottom-style: solid;
border-bottom-width: 10px;
border-image-outset: 0px;
border-image-repeat: stretch;
border-image-slice: 100%;
border-image-source: none;
border-image-width: 1;
border-left-color:

```

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>	<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>	<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>	<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>	<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>	<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>	<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Distinctio nemo, incidunt, dicta, totam nesciunt optio vero illo enim ipsa tempore atque facilis laboriosam libero deserunt, eveniet aliquam ullam quidem! Accusamus.</p>

Block element

Heading - H1

Heading - H2

Heading - H3

Div

Inline element

SPAN A STRONG

Block element

Inline element

Block element width 300

Inline element width 300 Block element width 300

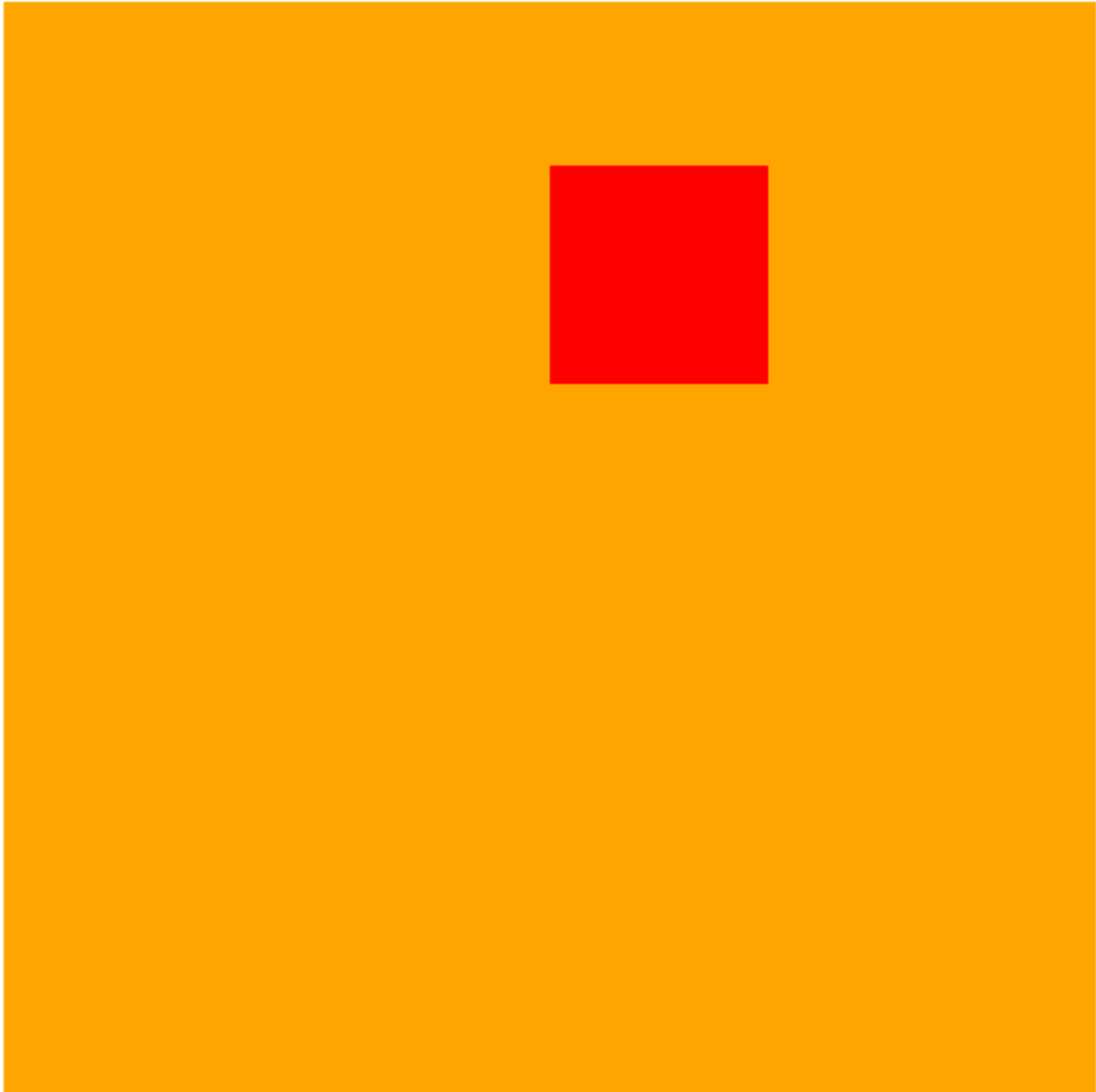
Lorem ipsum dolor sit amet, consectetur
adipiscing elit.

Lorem ipsum dolor sit amet, consectetur
adipiscing elit.

Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Nam, soluta voluptatem
accusamus totam possimus corporis inventore
consequuntur unde ut deserunt reiciendis quis
aspersatur, ea quisquam numquam veniam
illo, cum culpa.

Lorem ipsum dolor sit amet

Lorem ipsum dolor sit amet



position: fixed

- Lorem
- Ipsum
- Dolor
- Sit
- Amet

position: fixed

- Dolor
- Sit
- Amet



Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua



Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua

Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua



Chapter 3: Mastering of Pseudoelements and Pseudoclasses

Level one - item one Level two - item one Level one - item three

Level one - item one Level two - item one Level one - item three
Level two - item one
Level two - item two
Level two - item three
Level two - item four

Col one header Col two header Col three header

Col one header Col two header Col three header

Col one header Col two header Col three header

Col one header Col two header Col three header

Col one header Col two header Col three header

- Element one
- Element two
- Element three
- Element four
- Element five
- Element six
- Element seven
- Element eight

Col one header Col two header Col three header

Col one header Col two header Col three header

Col one header Col two header Col three header

Col one header Col two header Col three header

Col one header Col two header Col three header

First span

First strong

Second span

Second strong

Third span

Third strong

Fourth span

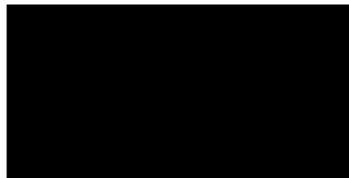
Fourth strong

Fifth span

Black text



Black text



Black text



Number

Email

Your name

Not checked

Number

Email

Your name

Is checked

Number

Email

Your name

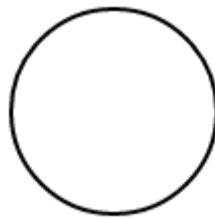
Not checked

5

fedojo@gmail.com

Piotr

Is checked



beforeElementafter

- My name is Mike. I'm Front End Developer
- My name is Ravi. I'm Front End Developer
- My name is Adam. I'm Front End Developer
- My name is Greg. I'm Front End Developer
- My name is Anna. I'm Front End Developer

Button ▶

Chapter 4: Responsive Websites – Prepare Your Code for Specific Devices

Mobile only

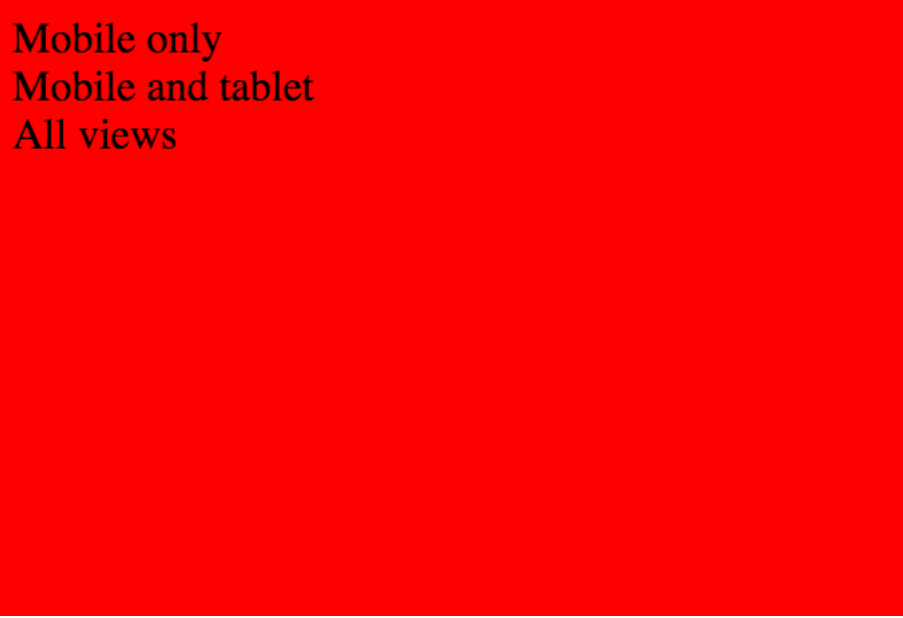
Tablet only

Desktop only

Mobile and tablet

Tablet and desktop

All views



Mobile only
Mobile and tablet
All views

Tablet only
Mobile and tablet
Tablet and desktop
All views

Desktop only
Tablet and desktop
All views

First element

Second element

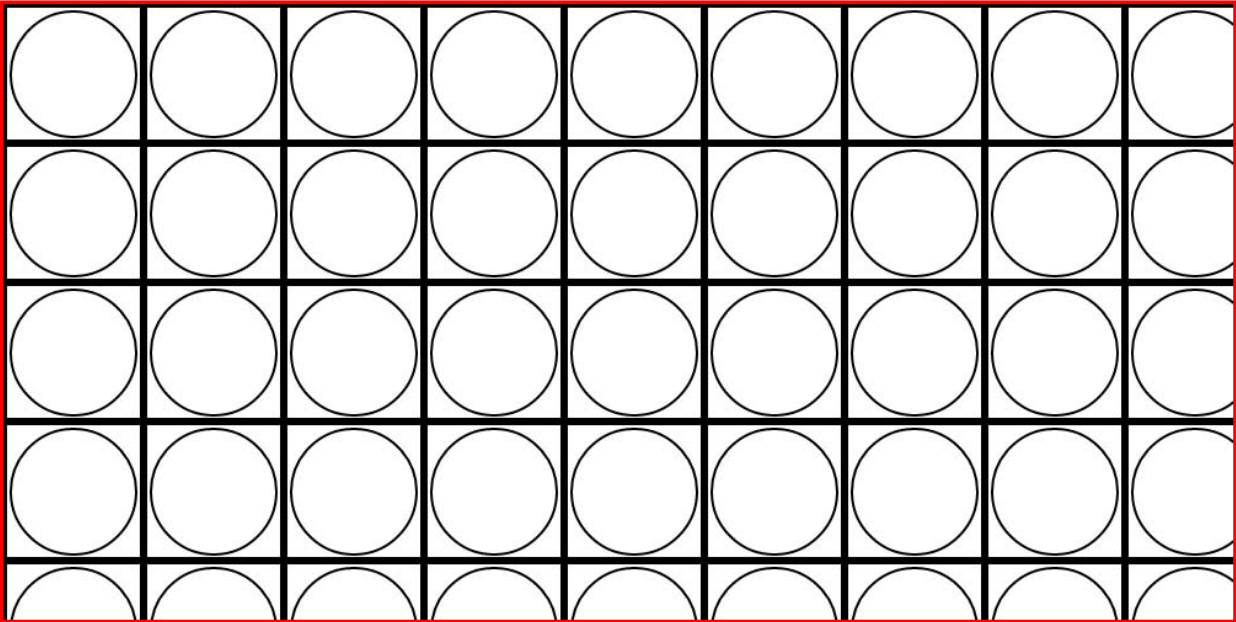
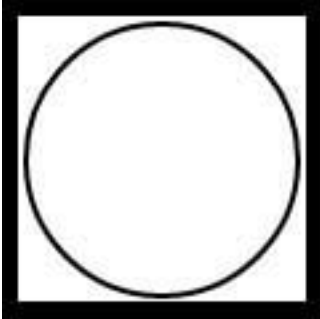
Third element

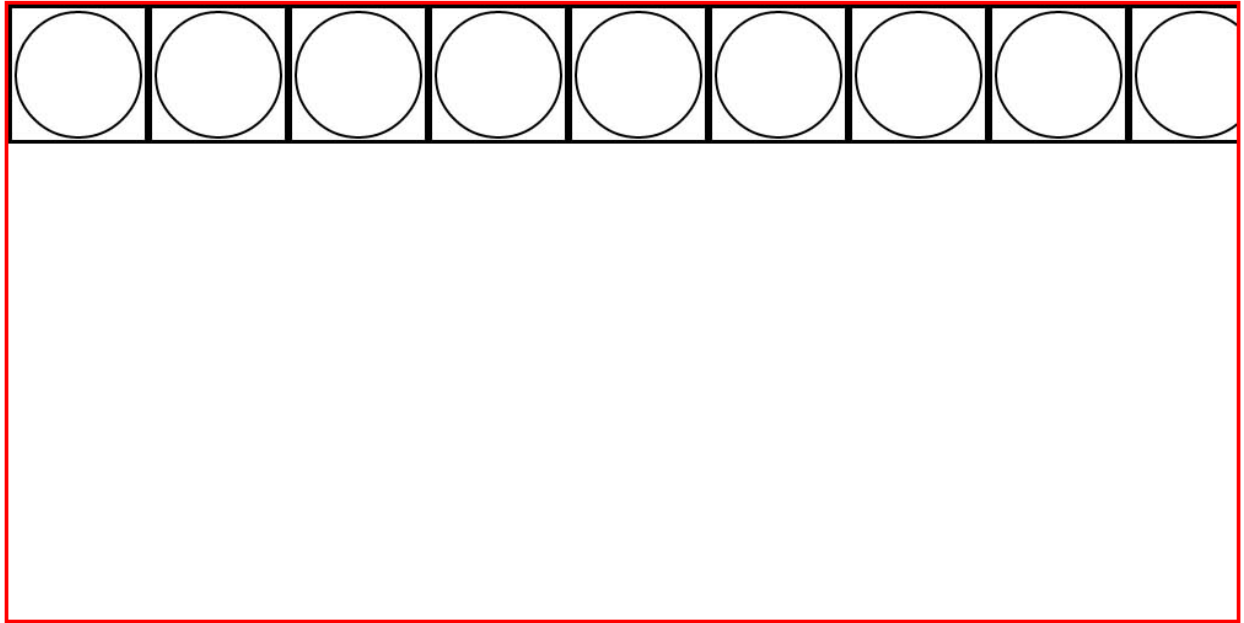
First element

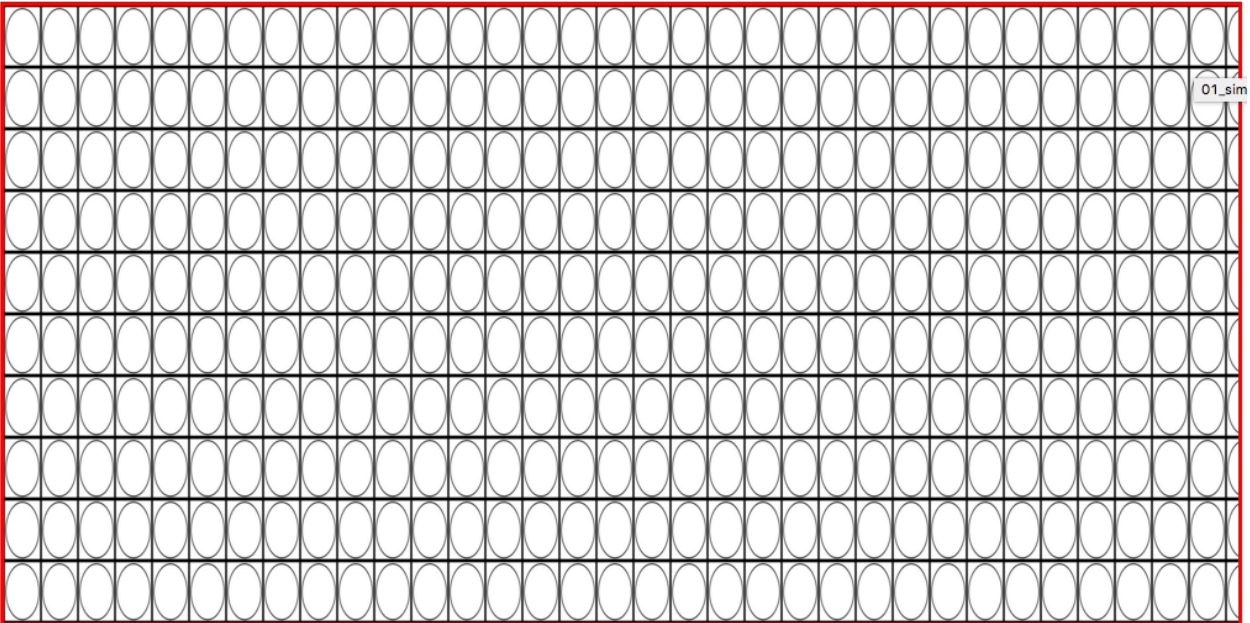
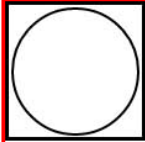
Second element

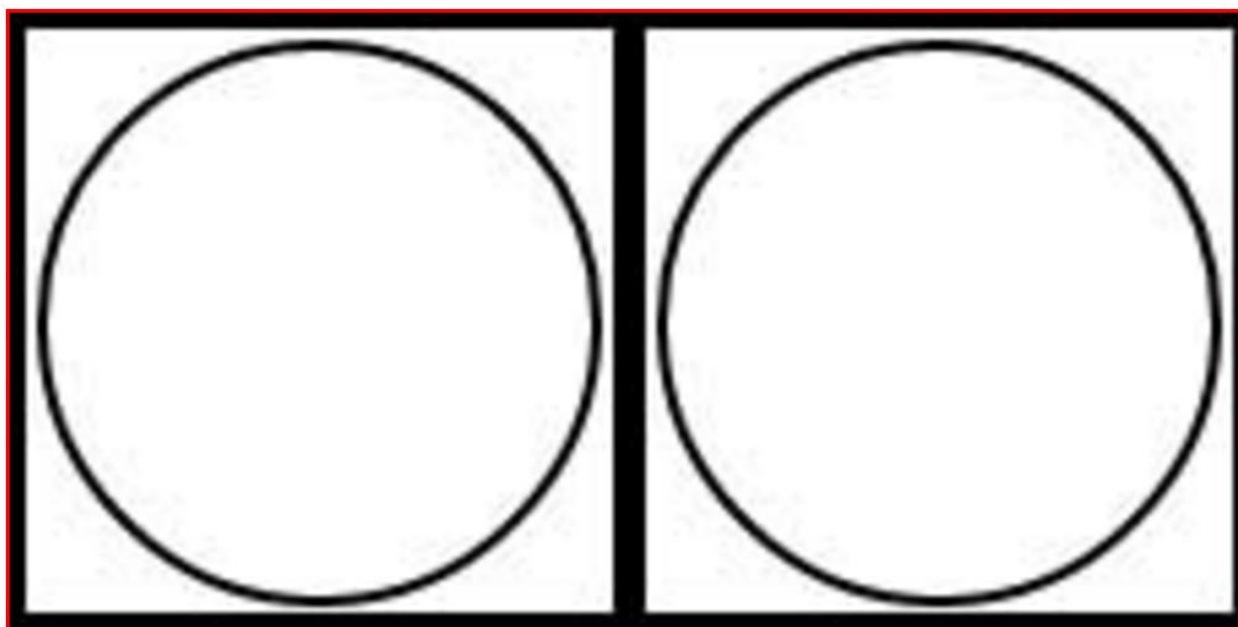
Third element

Chapter 5: Using Background Images in CSS

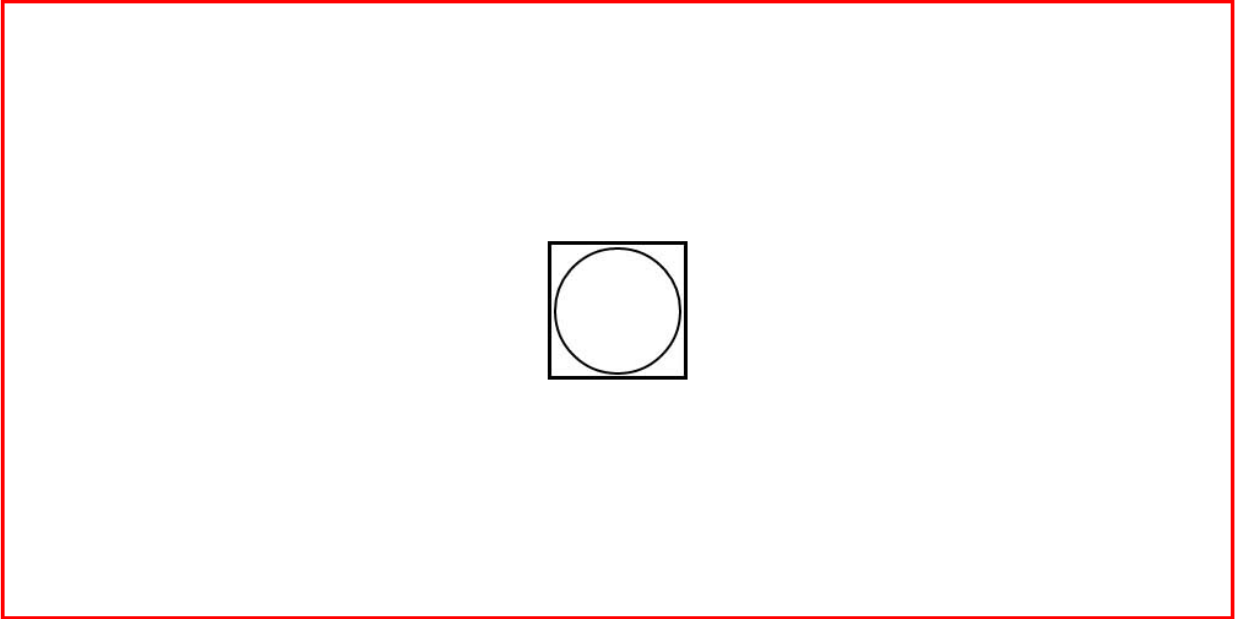


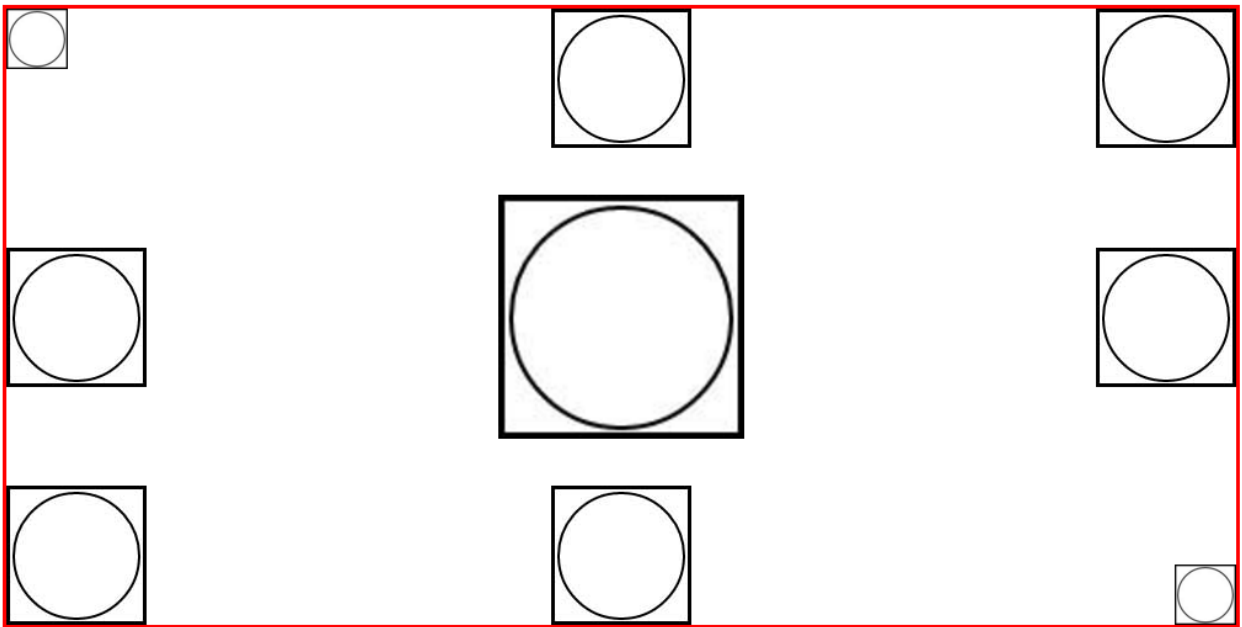
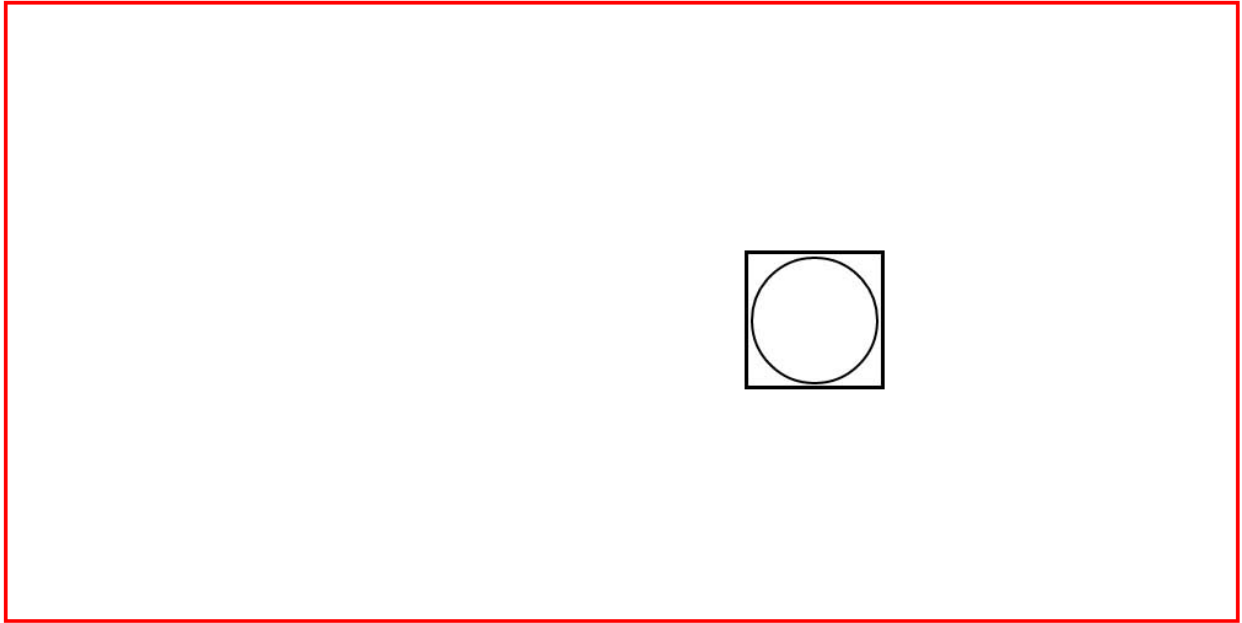


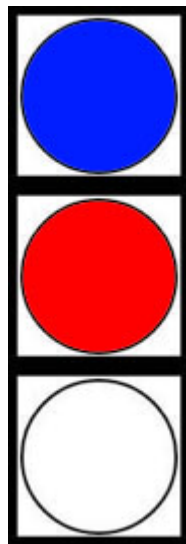
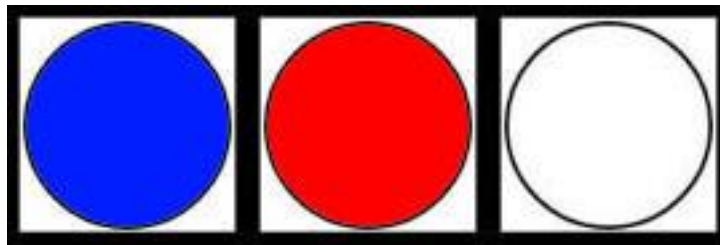


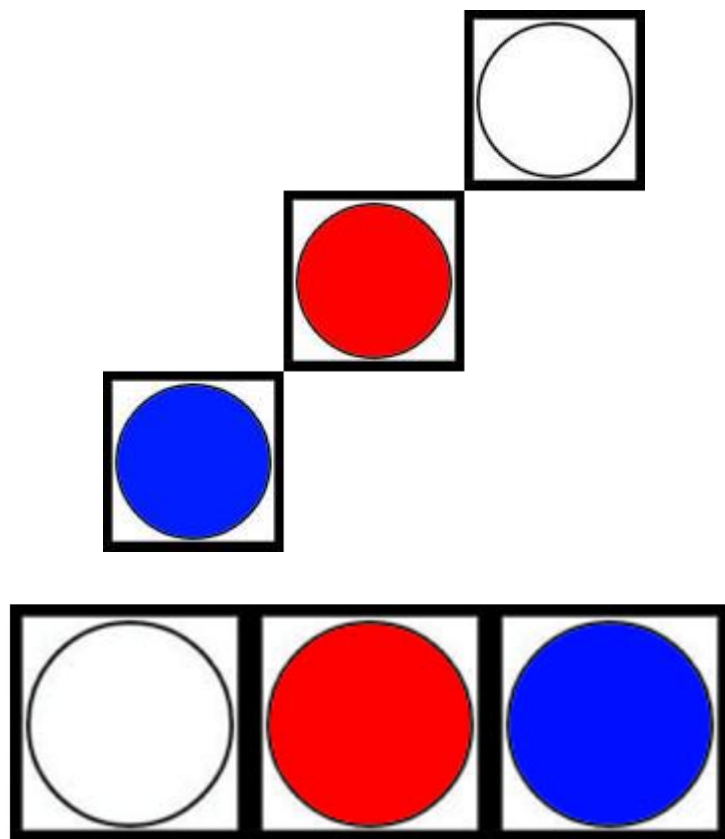












Chapter 6: Styling Forms

Login Password

Login
Password

login password

login
password

login
password

login
password

login



password



Submit



Personal data

Your name

Your surname

Address

Login data

Login

Password

Confirm password

PERSONAL DATA

Your name

Your surname

Address

LOGIN DATA

Login

Password

Confirm password

PERSONAL DATA

Your name

Your surname

Address

LOGIN DATA

Login

Password

Confirm password

PERSONAL DATA

Your name

Your surname

Address

LOGIN DATA

Login

Password

Confirm password

Here describe your skills

Here describe your skills

Please choose one option... ▾

✓ Please choose one option...

Option one

Option two

Option three

Option four

Option five

Please choose one option...



Chapter 7: Resolving Classic Problems

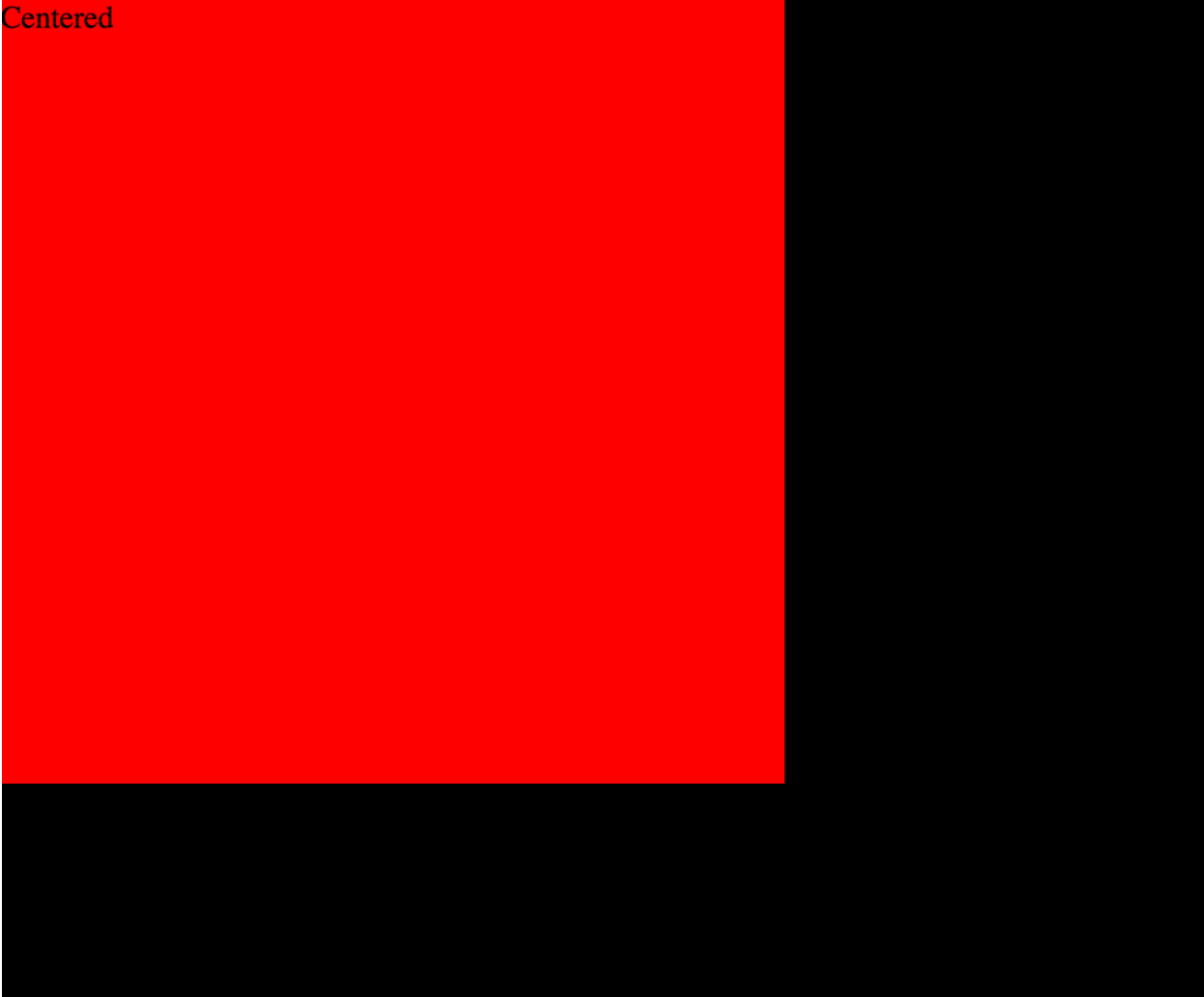
Centered

Centered

Centered

Centered

Centered



Centered

A diagram consisting of a large black square. Inside this black square, there is a smaller red square. The red square is positioned such that its center is aligned with the center of the black square. The word "Centered" is written in a small, black, sans-serif font in the top-left corner of the red square.

Centered

A large, solid red square is centered within a black rectangular frame. The word "Centered" is printed in a small, black, serif font in the upper-left corner of the red square.

Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Architecto dolore doloremque dolores iure laudantium magni mollitia quam ratione, temporibus ut? Aperiam necessitatibus perspiciatis qui ratione vel! Adipisci eligendi sint unde.

Footer

Content of our window

Header

Content of our window

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Architecto dolore doloremque dolores iure laudantium magni mollitia quam ratione, temporibus ut? Aperiam necessitatibus perspiciatis qui ratione vel! Adipisci eligendi sint unde.

Footer

Header

Content of our window

Lorem ipsum
elit. Archi
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e.

Footer

Header

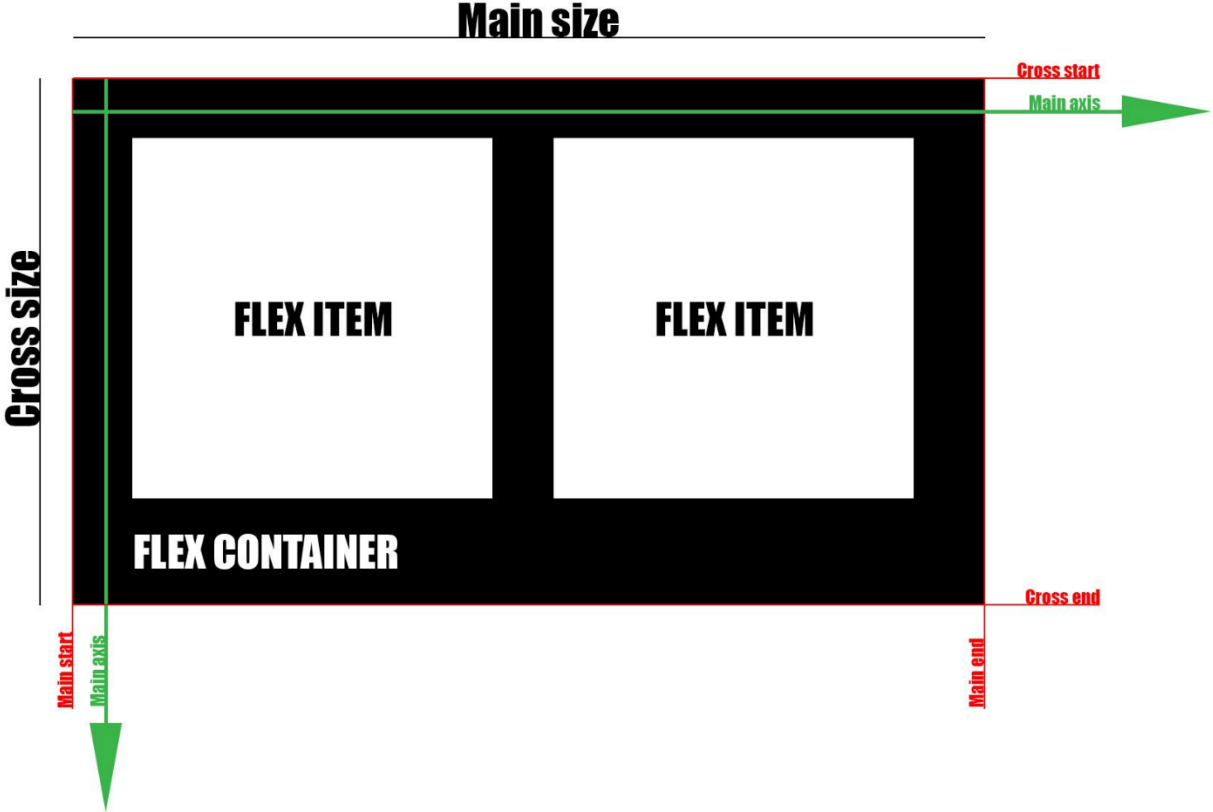
Content of our window

Lorem ipsum
elit. Archi
laudantium
temporibu
qui ratione

adipiscing
s iure
rspiciatis
e.

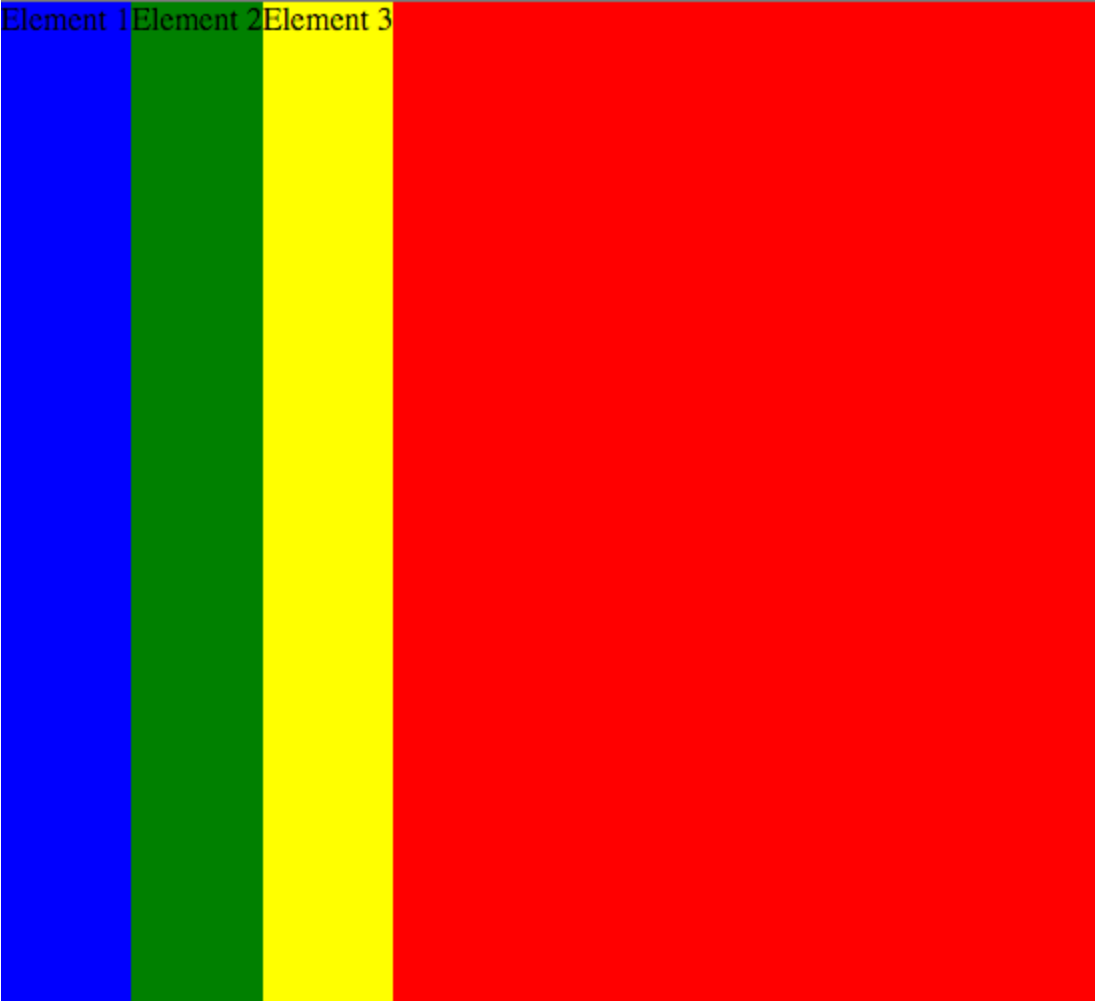
Footer

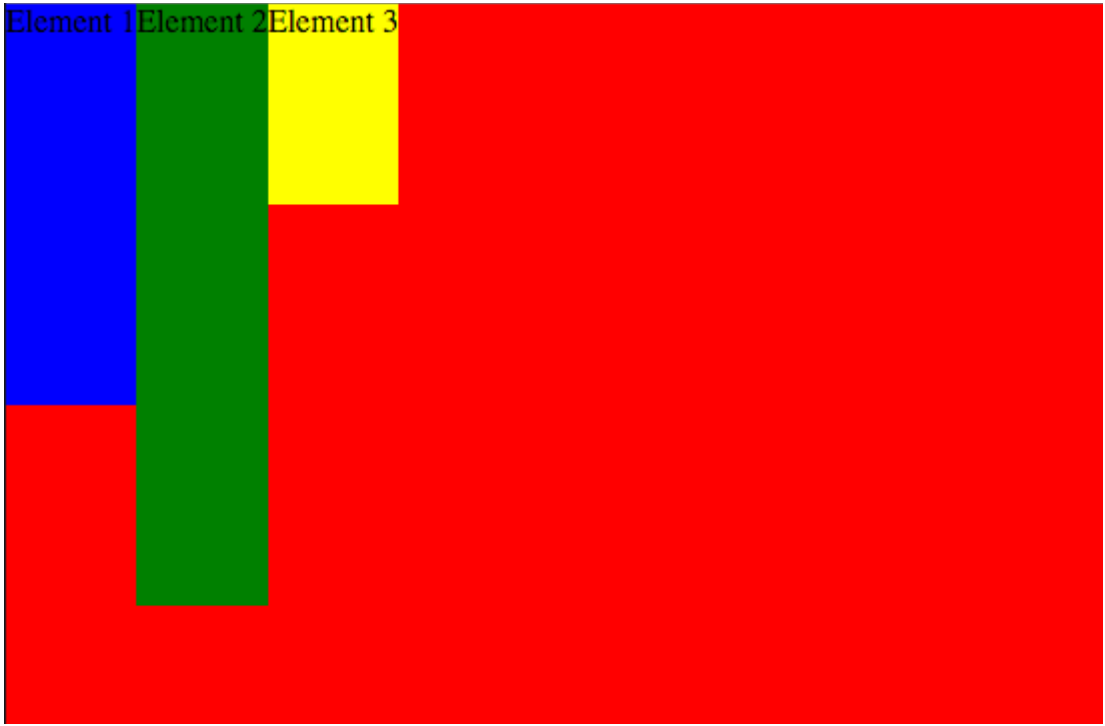
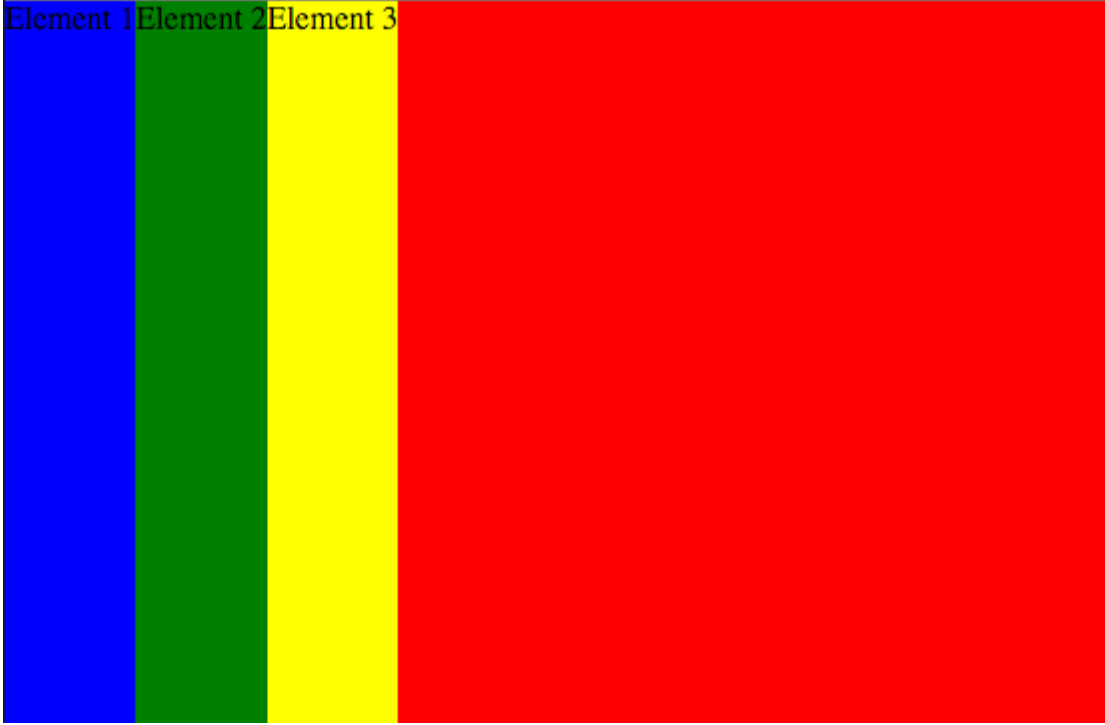
Chapter 8: Usage of Flexbox Transform

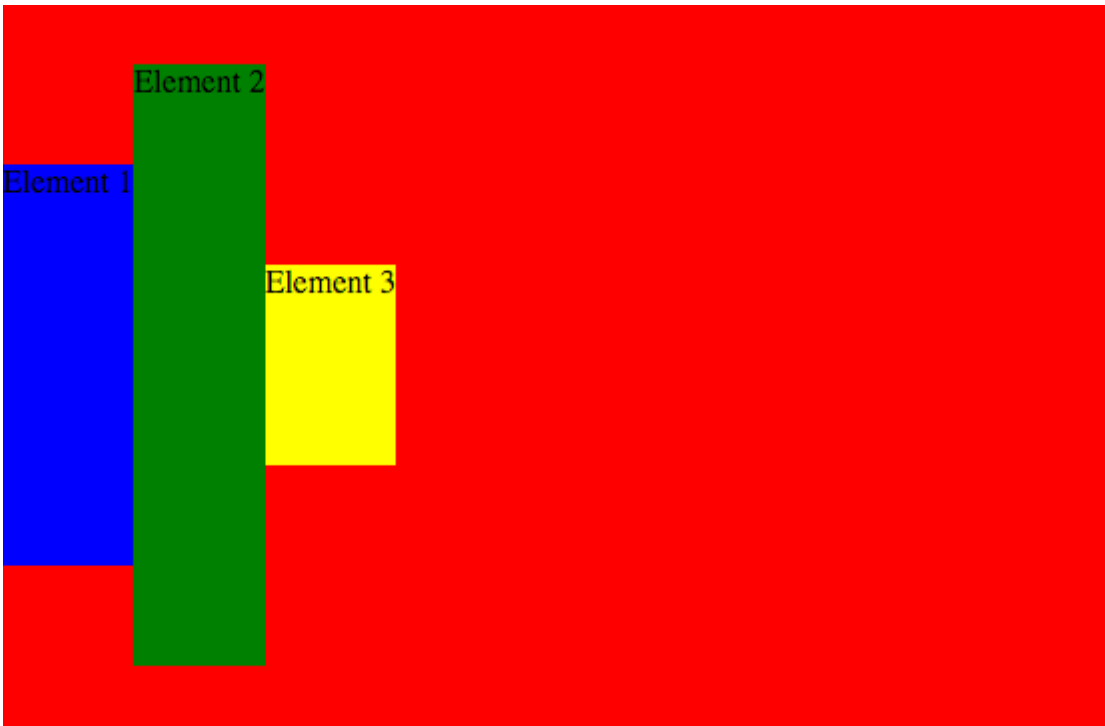
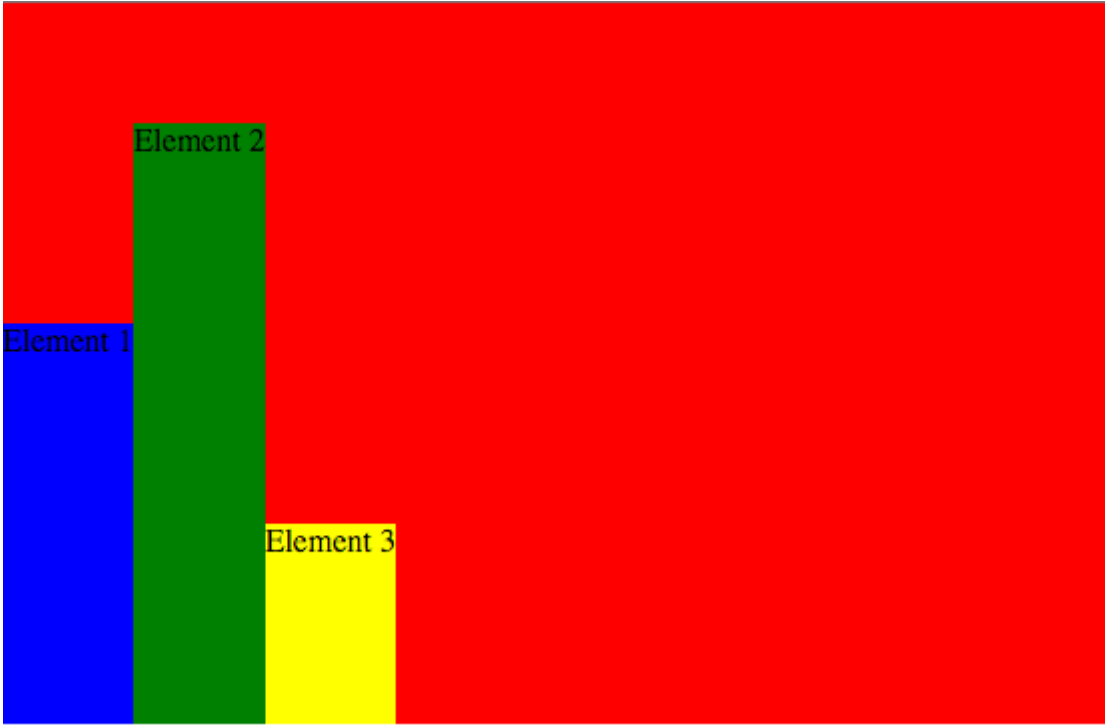


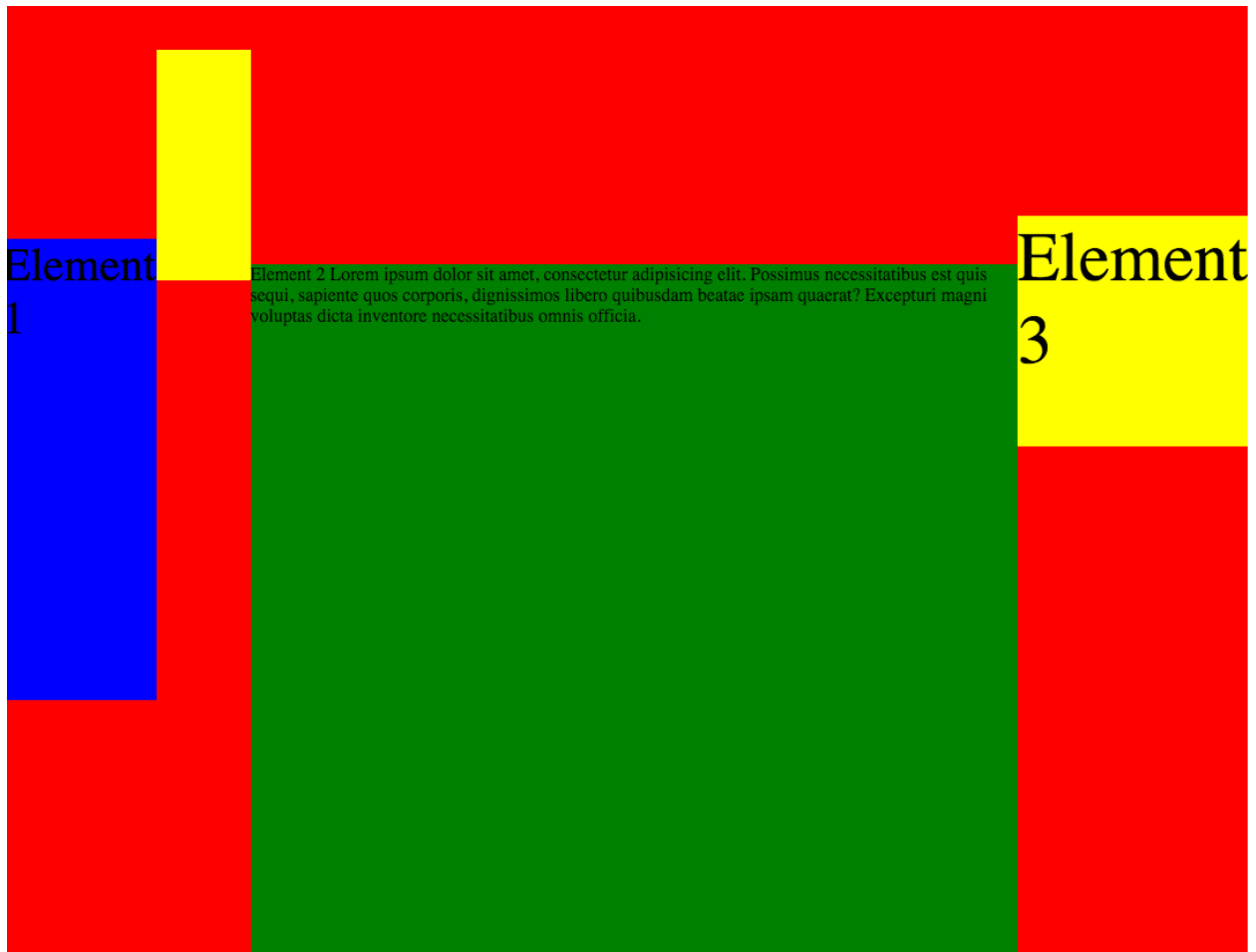
Element 1Element 2Element 3

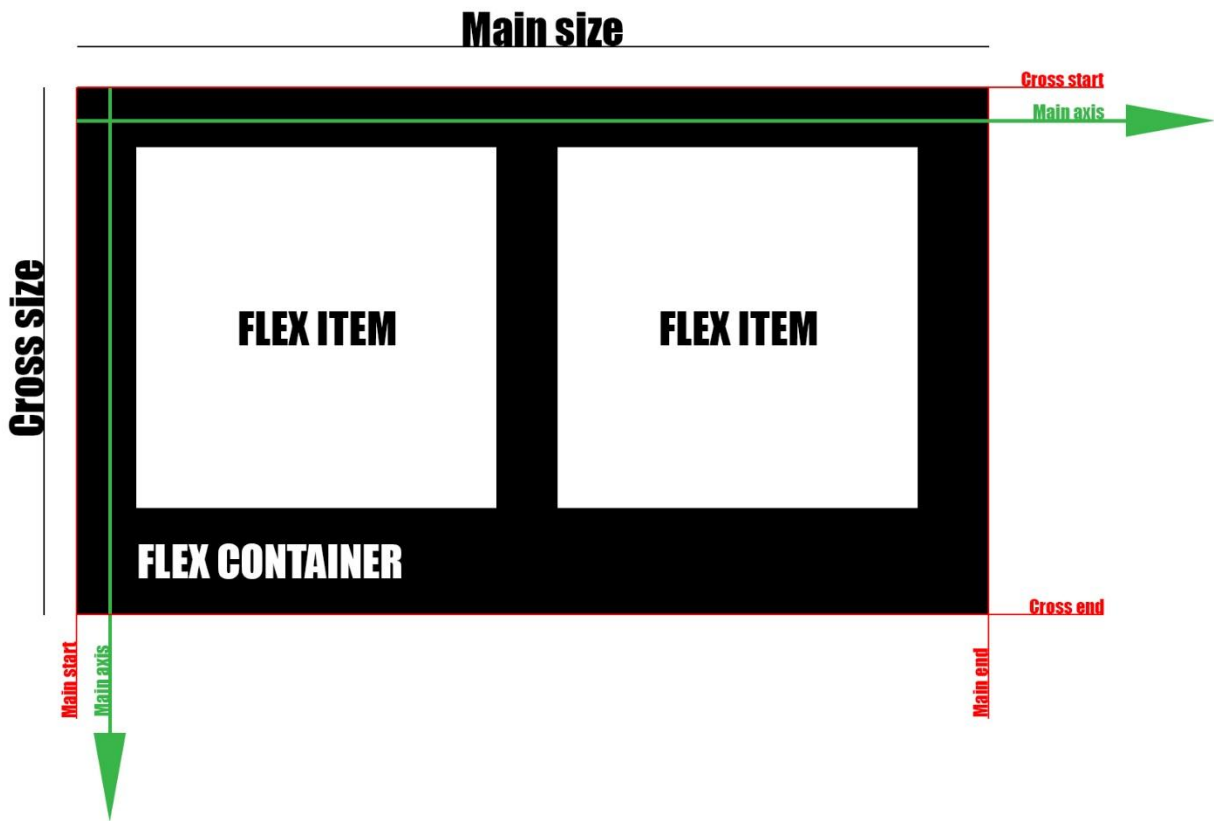
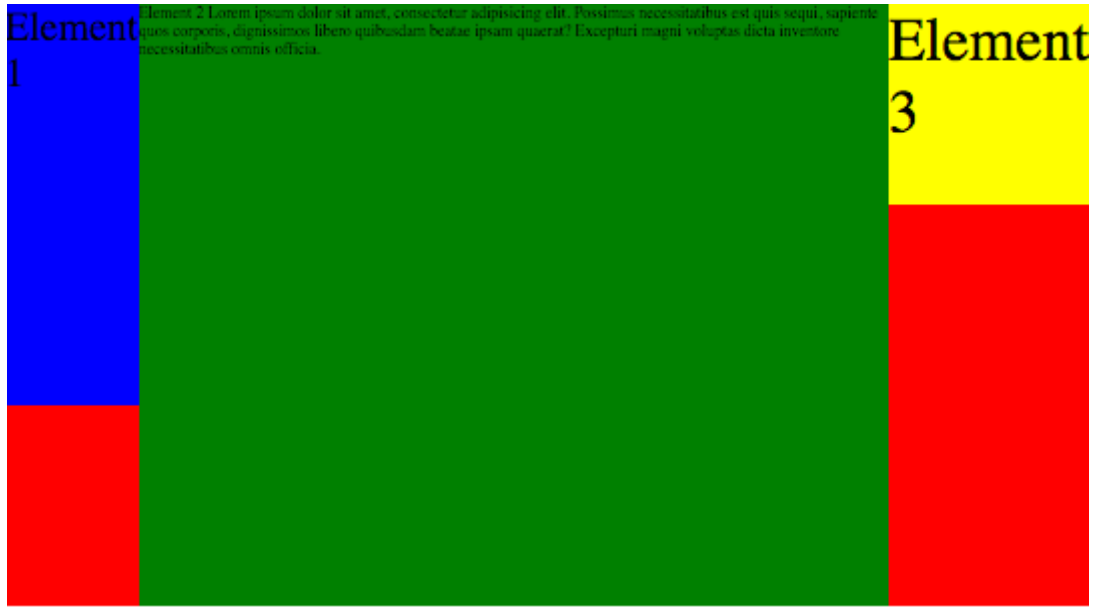
Element 1Element 2Element 3











Element 1

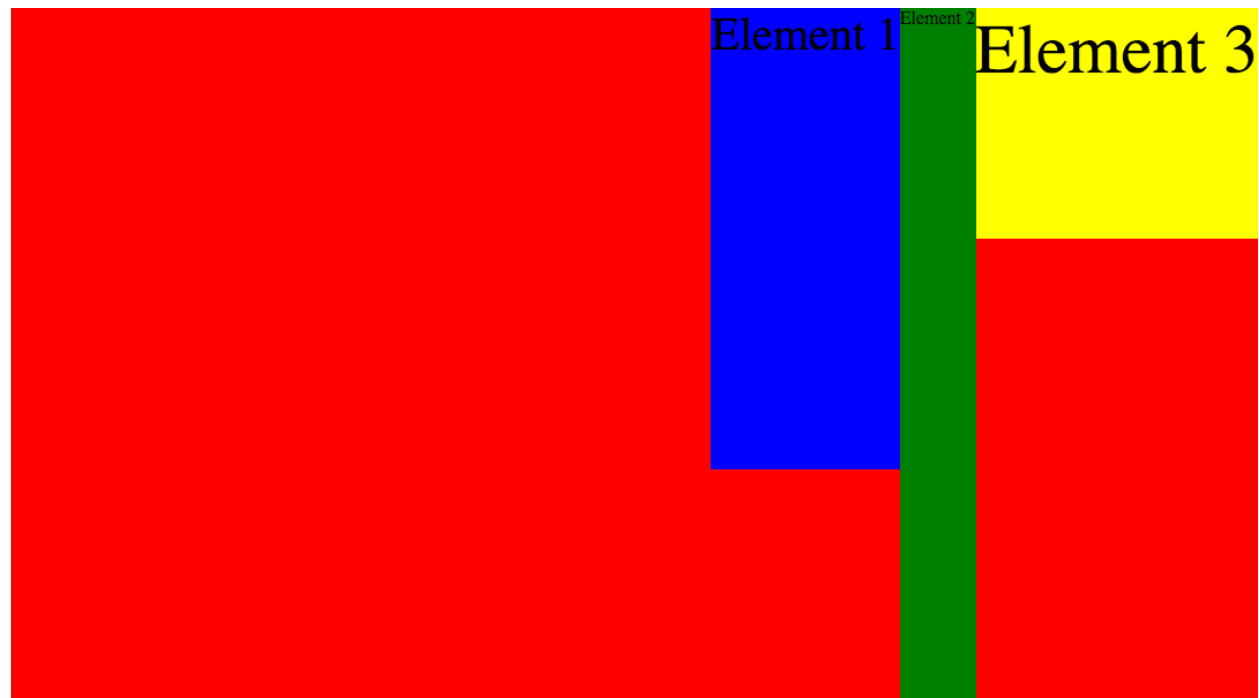
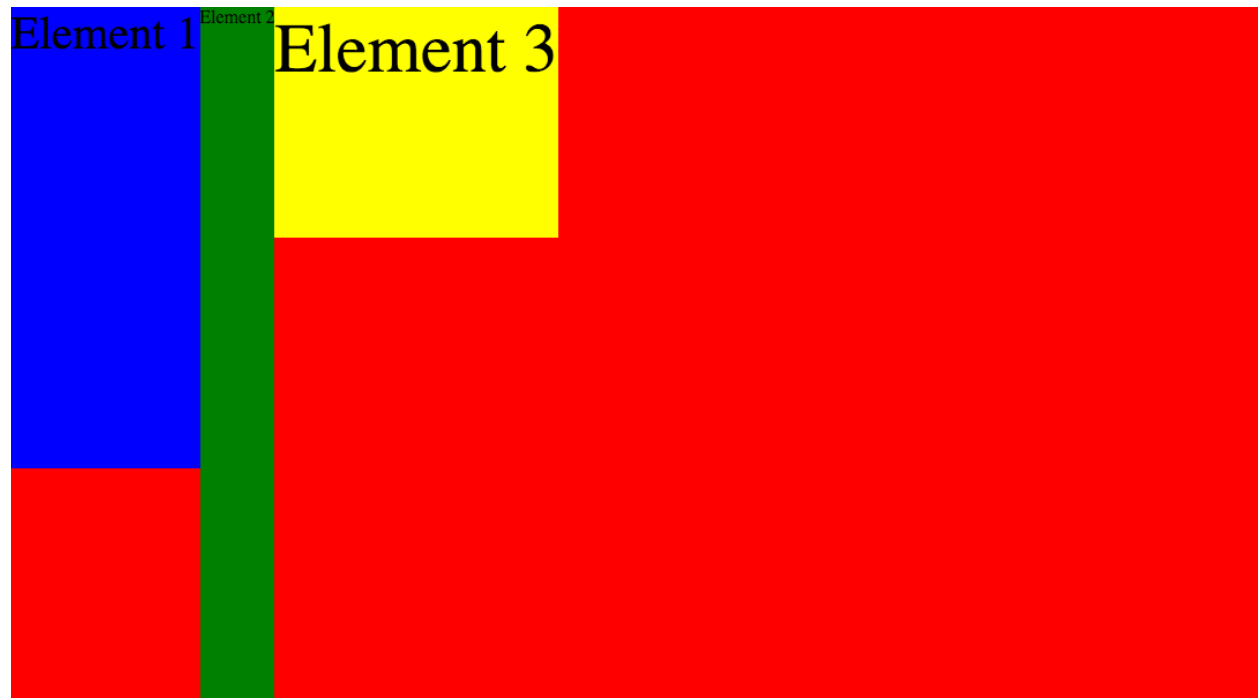
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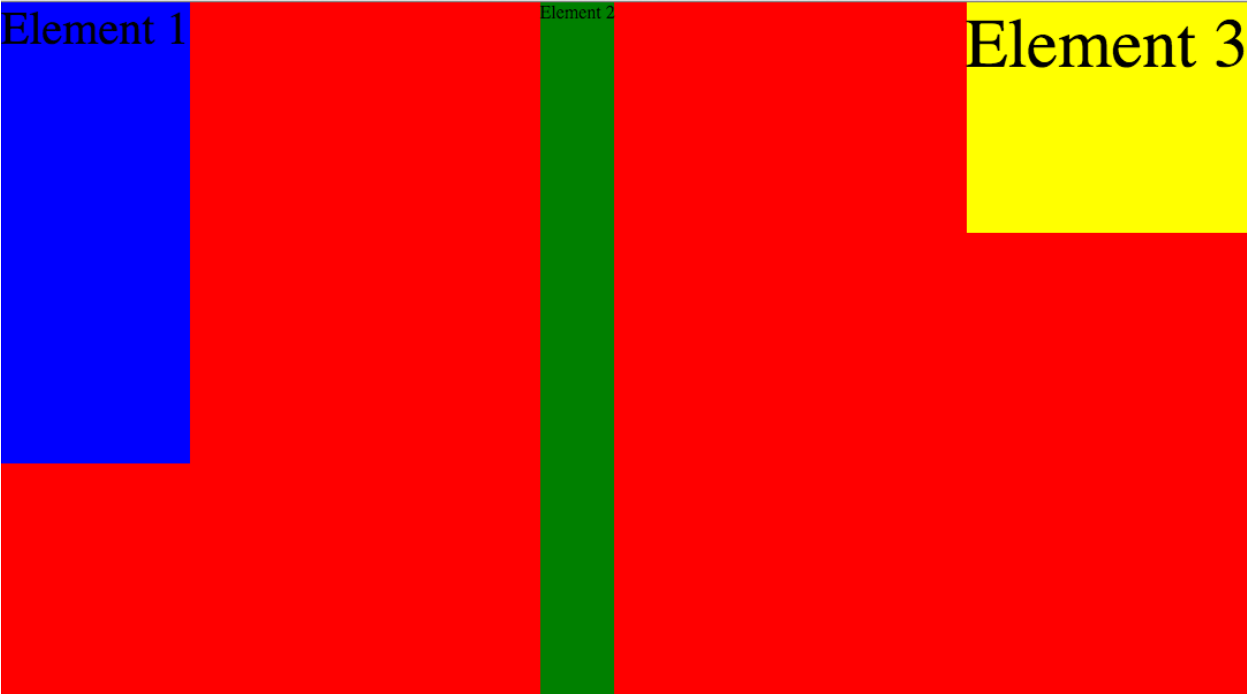
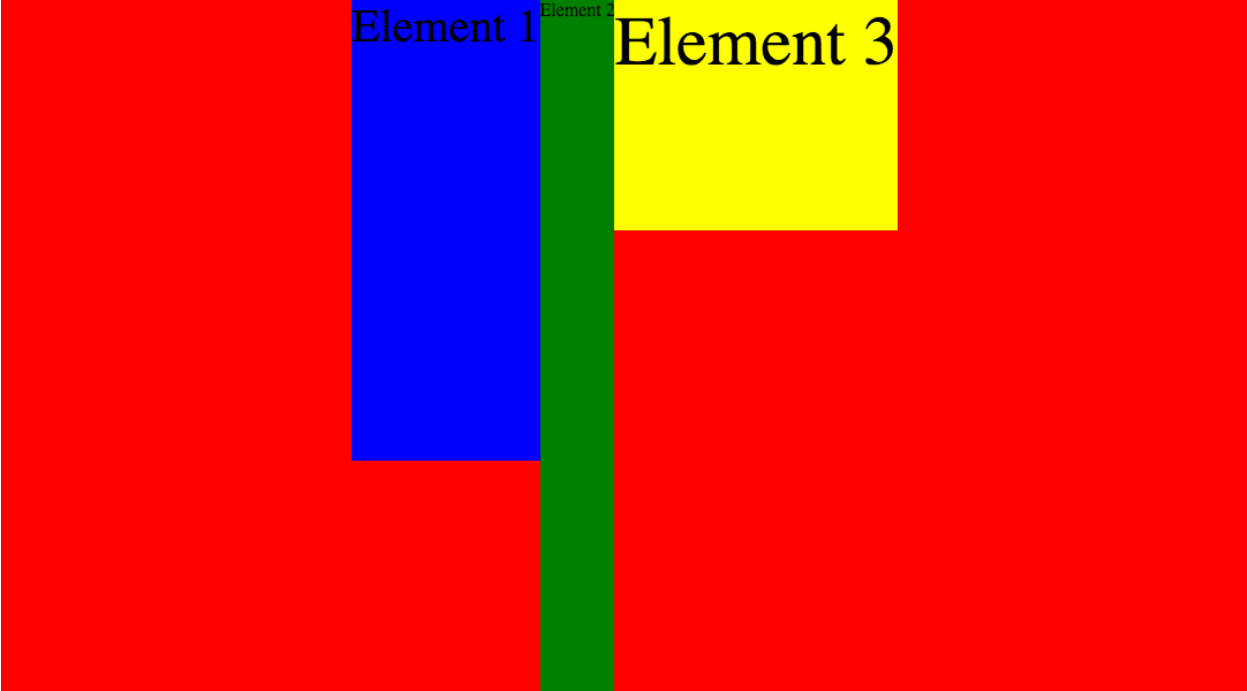
Element 3

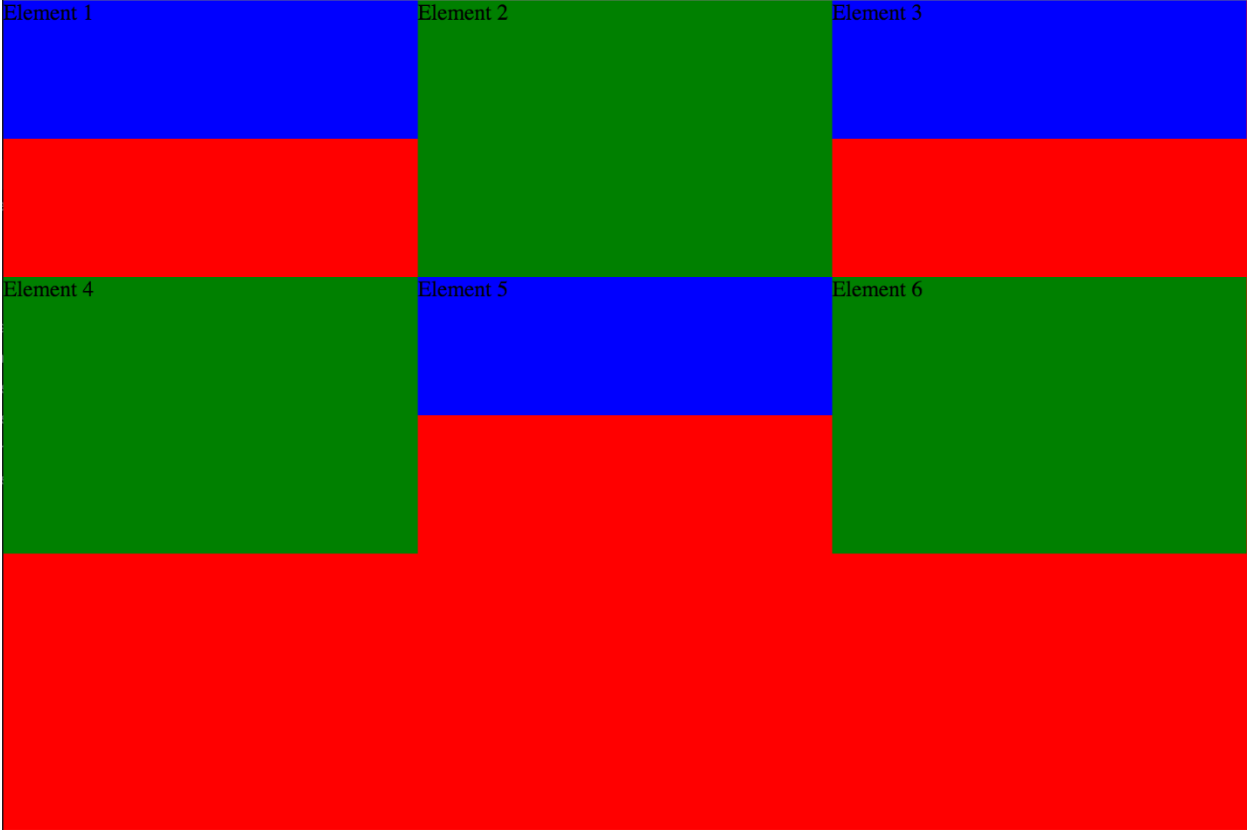
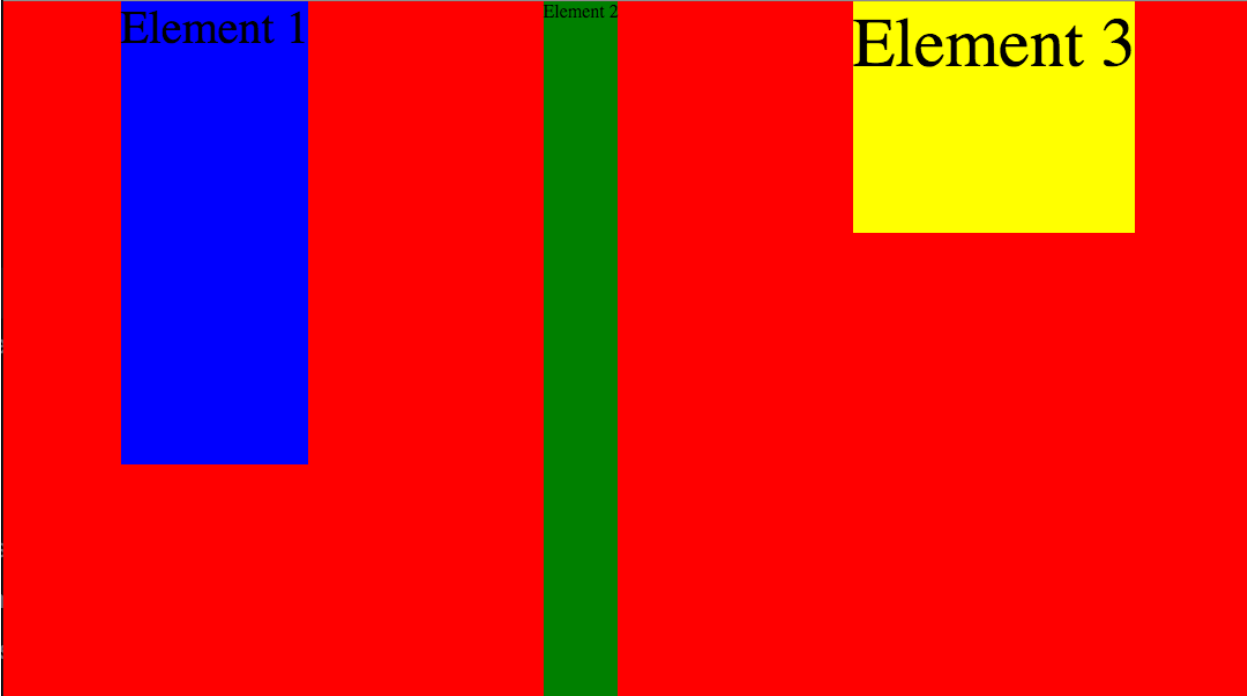
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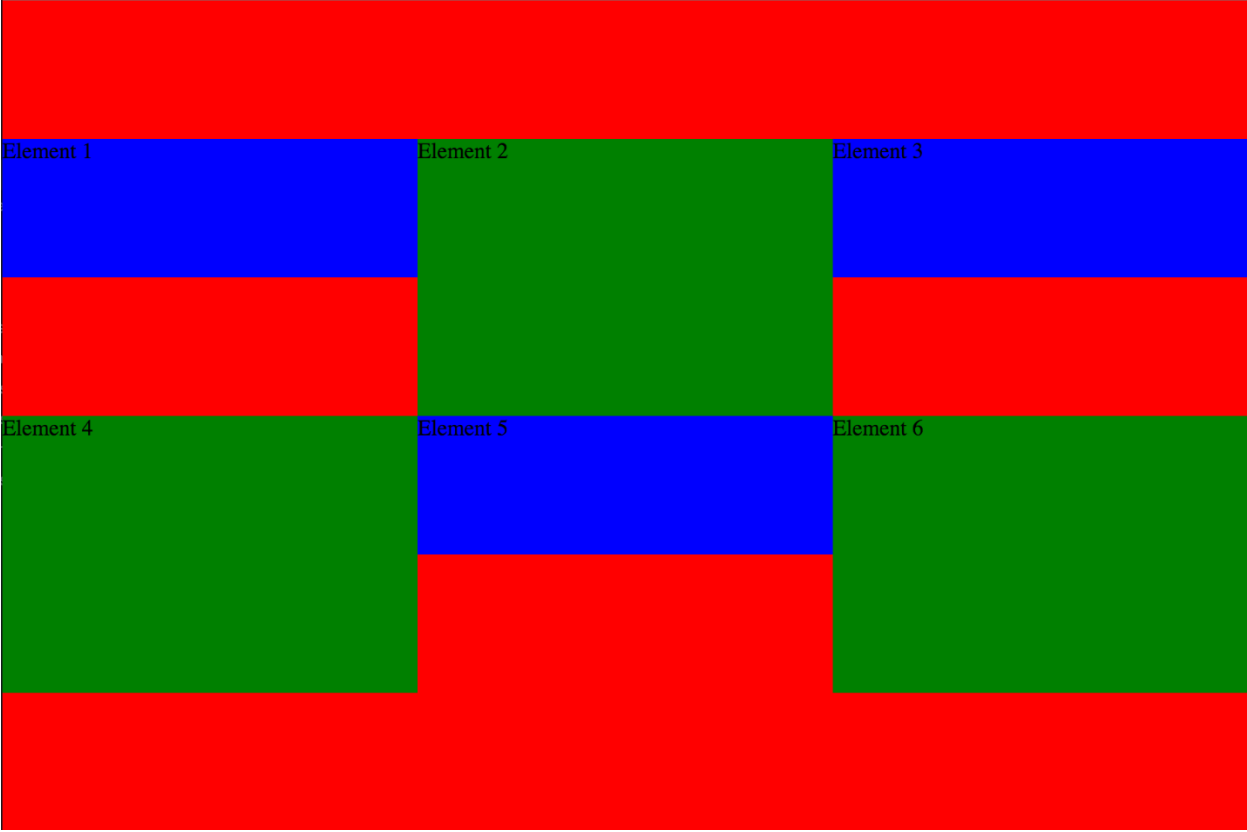
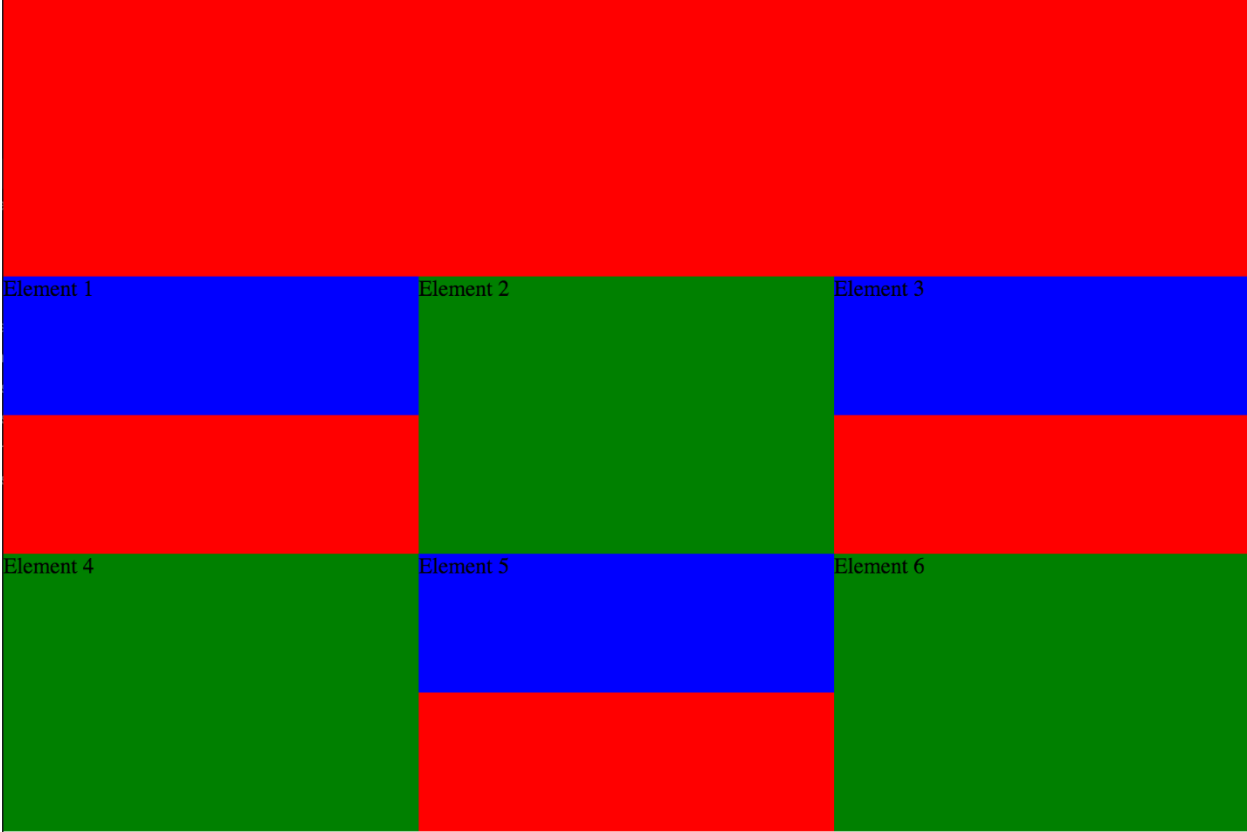
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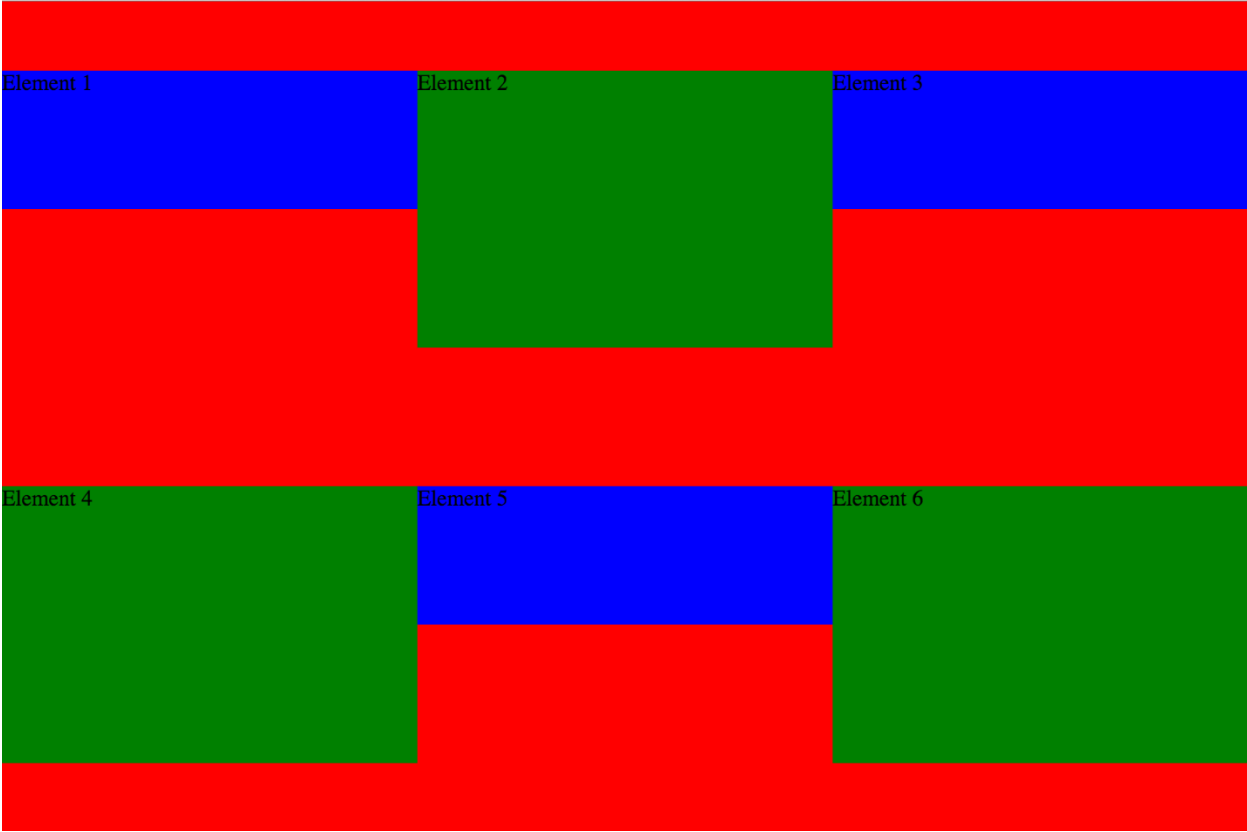
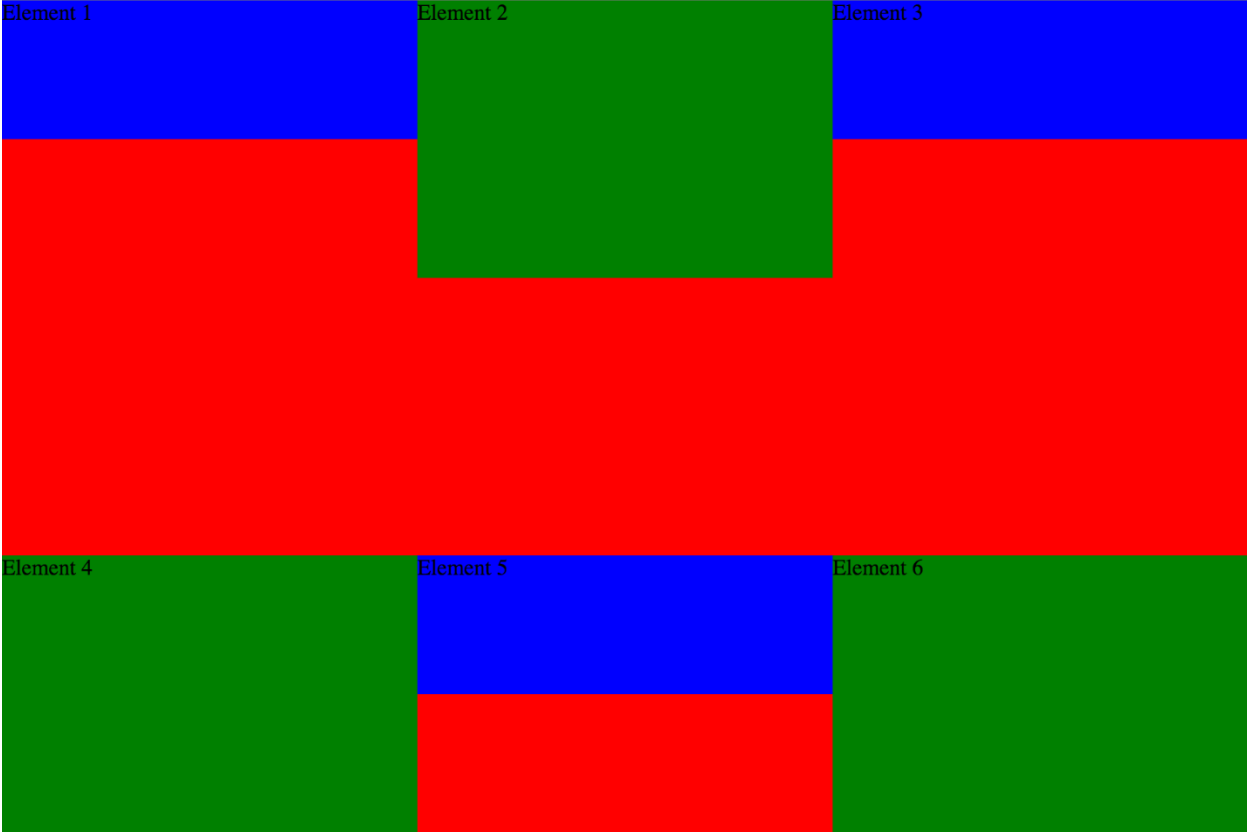
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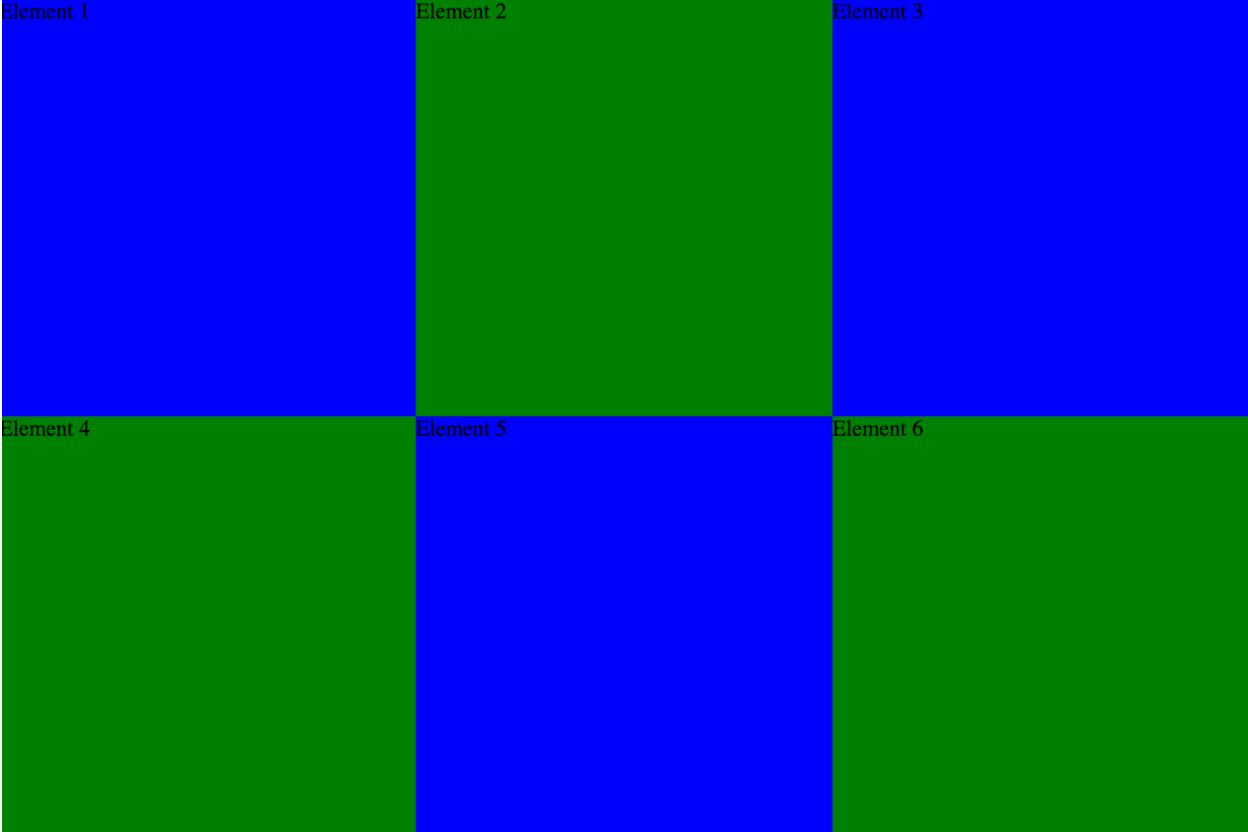












First

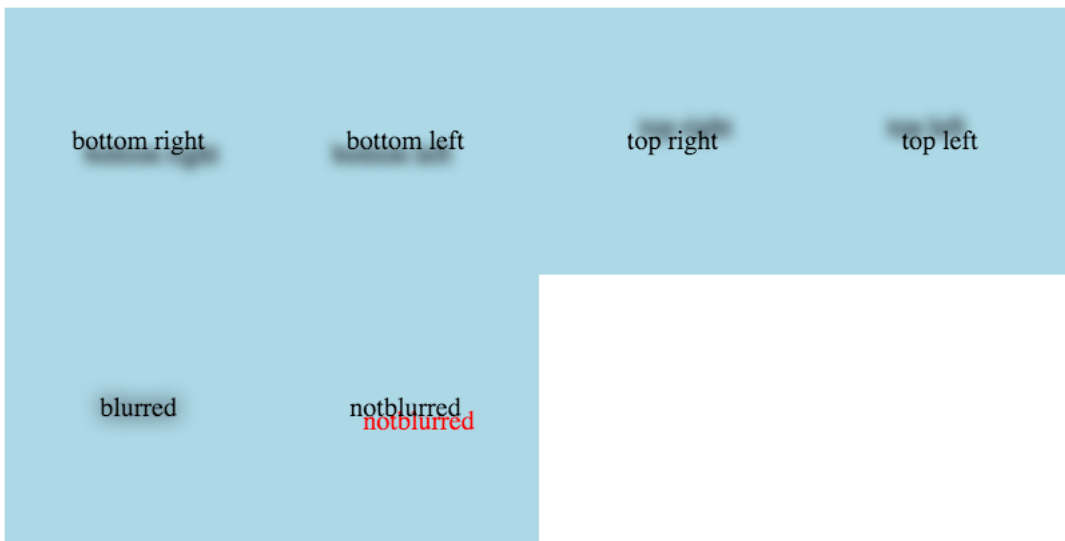
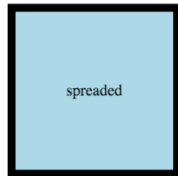
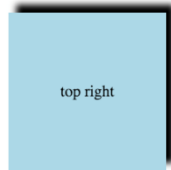
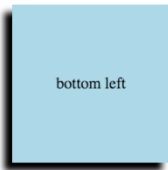
Second

Second

First

First


Second

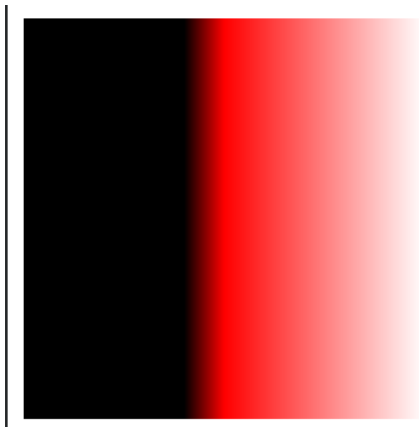


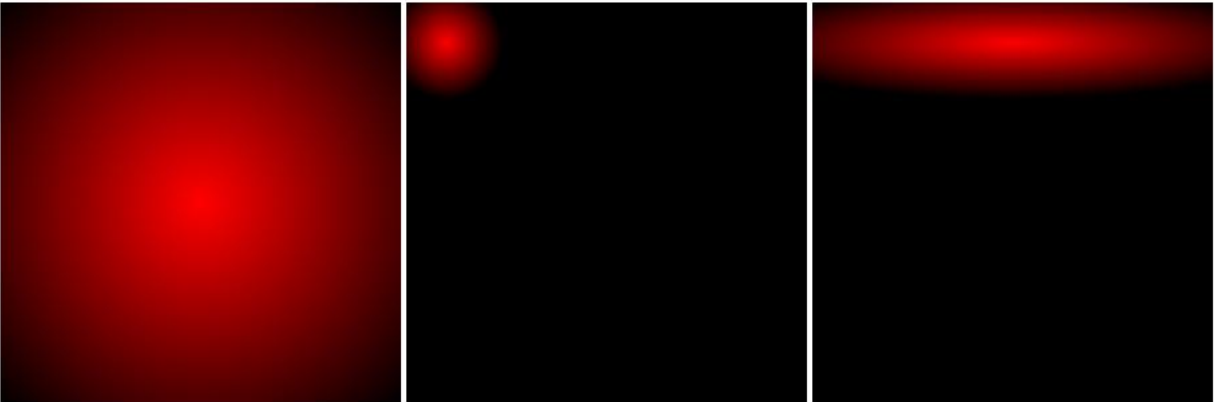
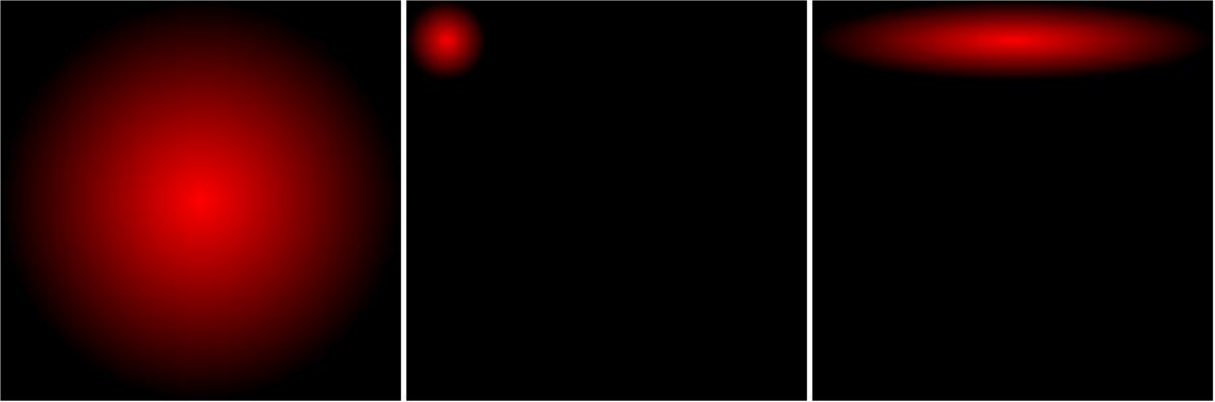
First Second Third Fourth Fifth

First **Second** Third Fourth Fifth



no transform					
rotate					
skew					
scale					
translate					
multiple					



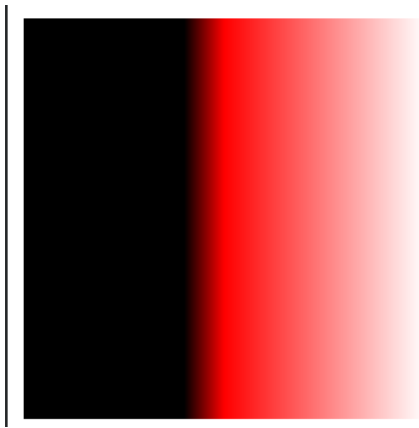


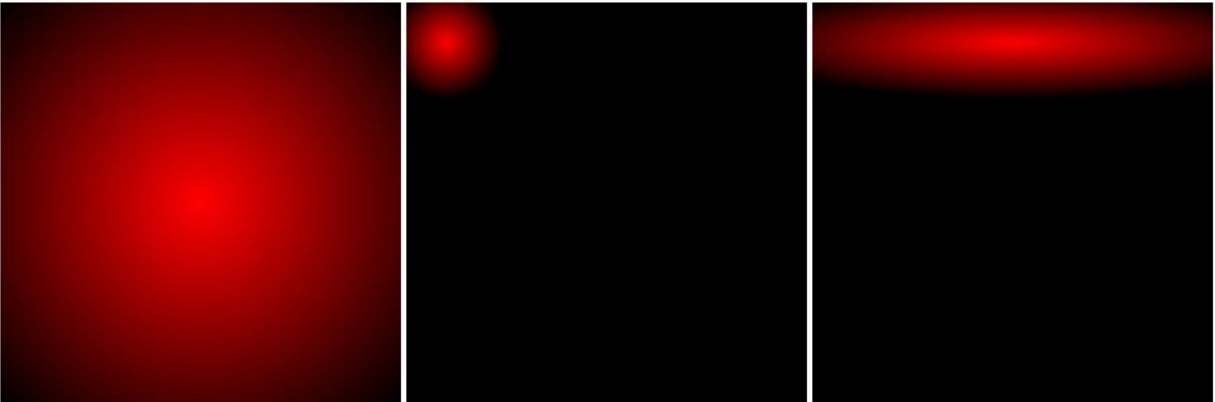
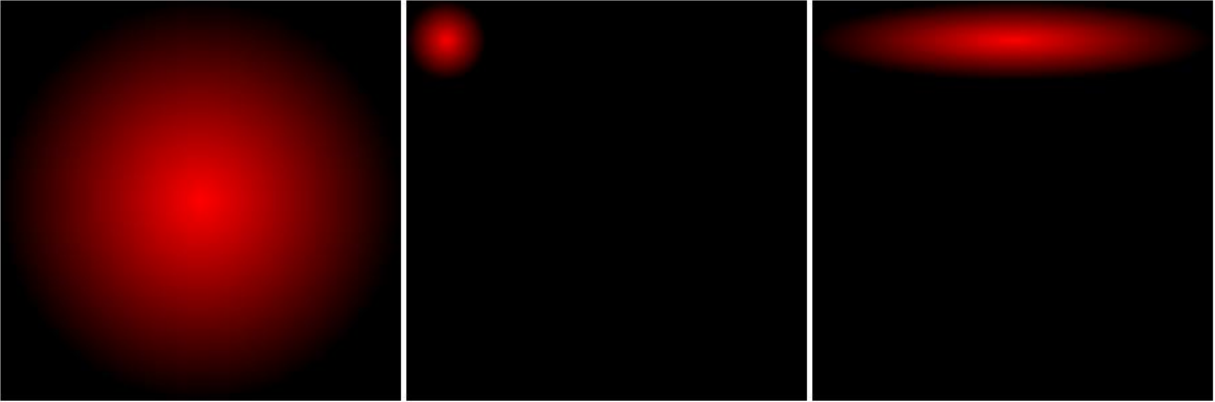
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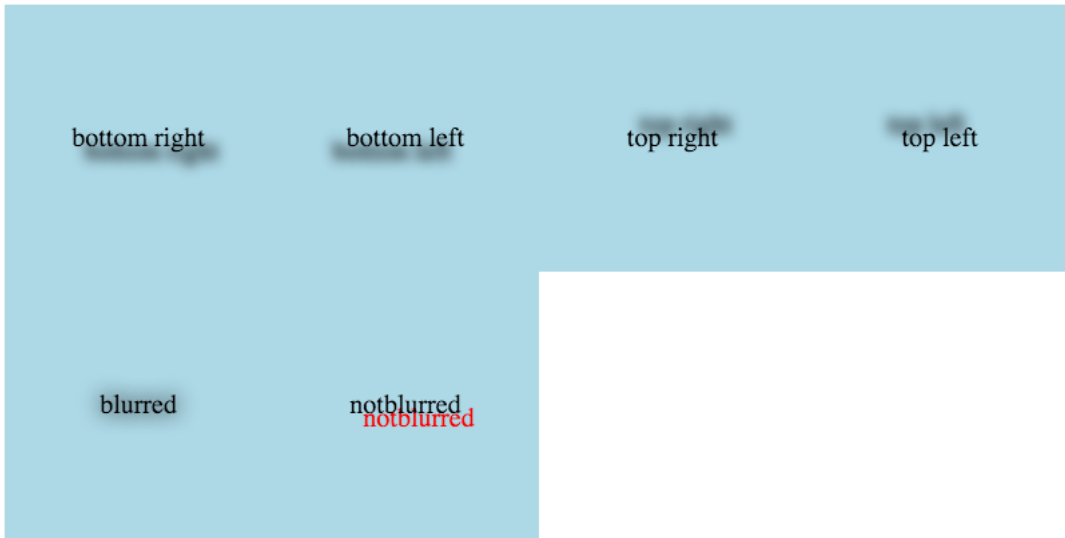
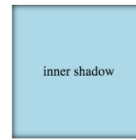
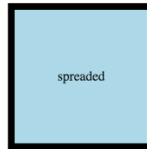
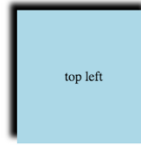
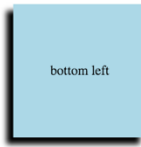
Element

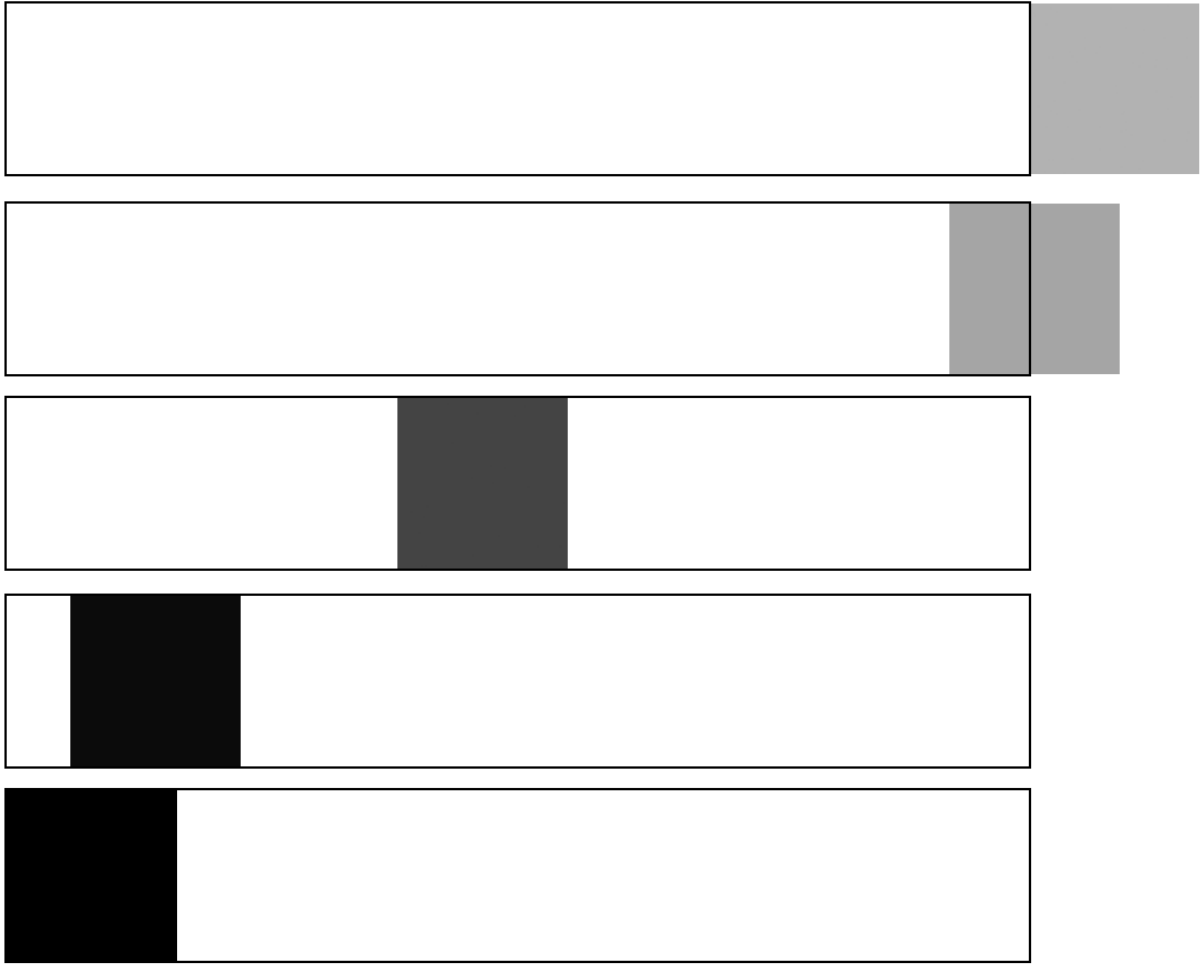
Chapter 9: Calc, Gradients, and Shadows











Element

Element

First Second Third Fourth Fifth
First **Second** Third Fourth Fifth

Chapter 10: Don't Repeat Yourself – Let's Create a Simple CSS Framework

FEDojo.com

Front End Developers Blog

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```
}  
}  
}  
@media print {  
  a[href]:after {  
    content: none !important;  
  }  
}
```

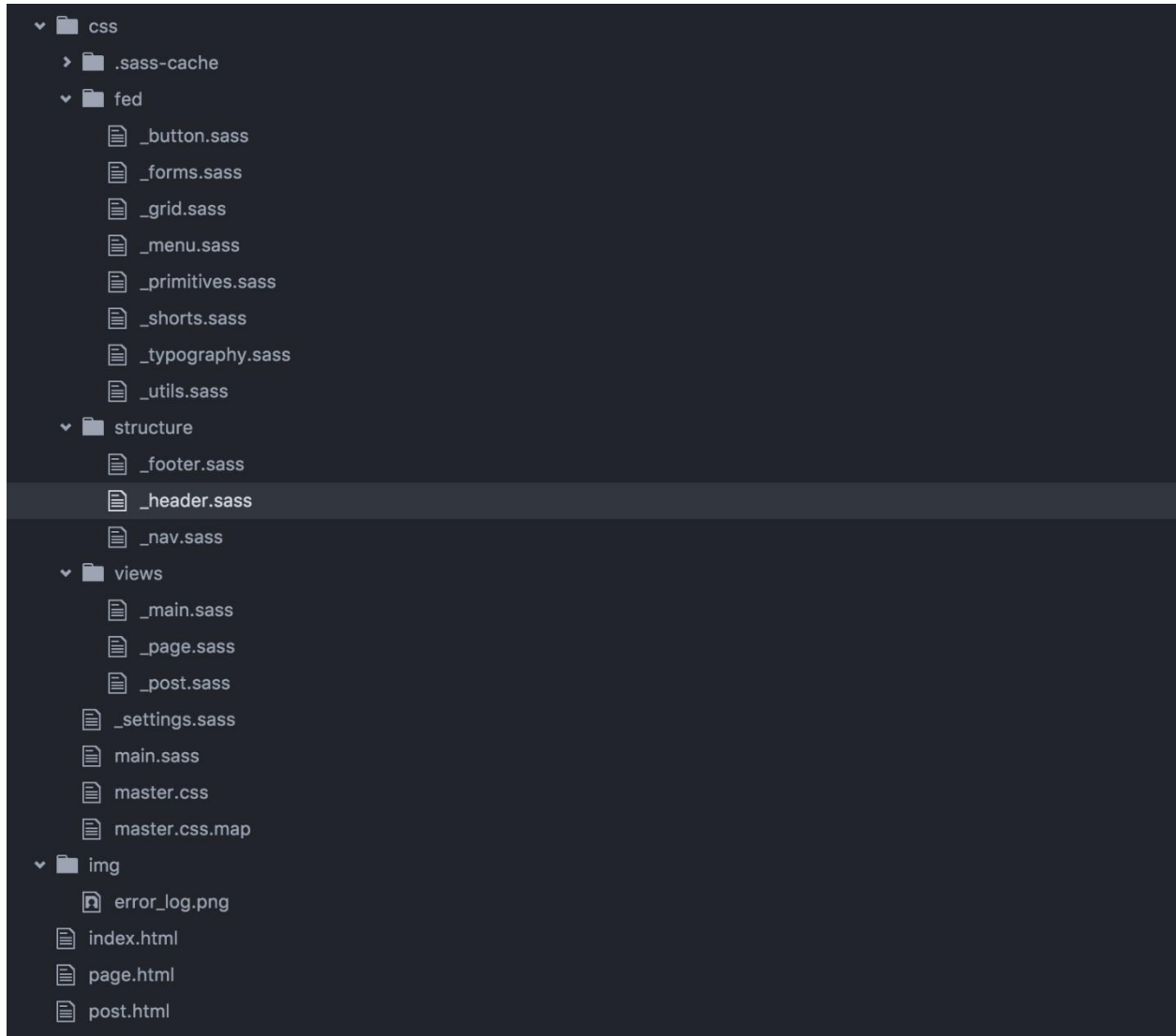
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sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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Left column

Right column



Chapter 11: Mailers Fundamentals

Header of our mailer

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed varius, leo a ullamcorper feugiat, ante purus sodales justo, a faucibus libero lacus a est. Aenean at mollis ipsum.

Lorem ipsum click

Header of our mailer

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed varius, leo a ullamcorper feugiat, ante purus sodales justo, a faucibus libero lacus a est. Aenean at mollis ipsum.

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Chapter 12: Scalability and Modularity



Scalable and Modular Architecture for CSS

A flexible guide to developing sites small and large.



“SMACSS is becoming one of the most useful contributions to front-end discussions in years” *

I've been analyzing my process (and the process of those around me) and figuring out how best to structure code for projects on a larger scale. What I've found is a process that works equally well for sites small and large.

Learn how to structure your CSS to allow for flexibility and maintainability as your project and your team grows.

[Get the book!](#)

[Get the workshop!](#)

```
}  
}  
}  
  
@media print {  
  a[href]:after {  
    content: none !important;  
  }  
}
```

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Object-Oriented CSS

Hosted

Play with these in Firebug to learn the basics.

[Template](#)
[Grids](#)
[Module](#)
[Content](#) (very alpha)

Downloads on Github

[Velocity download](#)
[Alternate download](#)

Stuck?

If you don't keep up with any of the exercises you can view (and download) the finished examples here.

[Starting Template](#)
[Exercise 1: Template](#)
[Exercise 2: Grids](#)
[Exercise 3: Module Manipulation](#)
[Exercise 4 Module Creation](#)

[Stubbornella](#), [Github](#), [FAQ](#)

Welcome, Velocity Conference participants!

All the resources you need to get started are linked from the left navigation. Start by downloading the base files. Exercises one and two can be completed in Firebug if you are comfortable with it. Then you can download the finished file at the beginning of Exercise 3.



BEM

Technology for creating web applications

[Quick start](#)