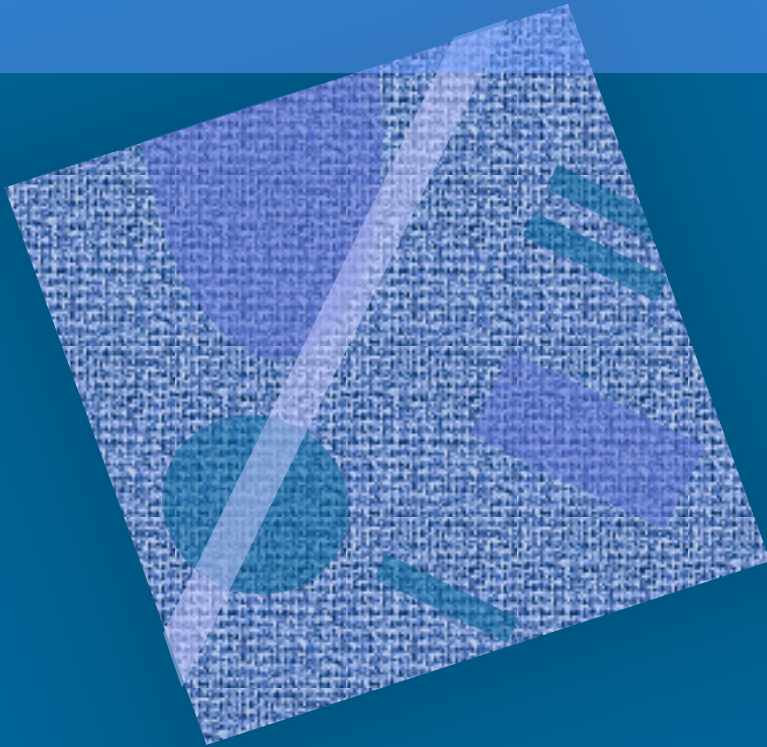


# COMS 359: Interactive Media



# Agenda

- Review
- CSS
- Preview

# Review

- Transparent GIF headline



Notepad++ - C:\1-DavidStuff\niu-classes\coms359\exercises2\photoshop\_graphic...

File Edit Search View Format Language Settings Macro Run Plugins ?

photoshop\_graphics1.html

```
1 <html>
2 <head>
3   <title>Custom Graphics</title>
4 </head>
5
6 <body bgcolor="#f7f8ea">
7
8   
9
10 </body>
11 </html>
12 |
```





# Review

- JPG buttons



button.psd



button1.jpg



button2.jpg

# Review

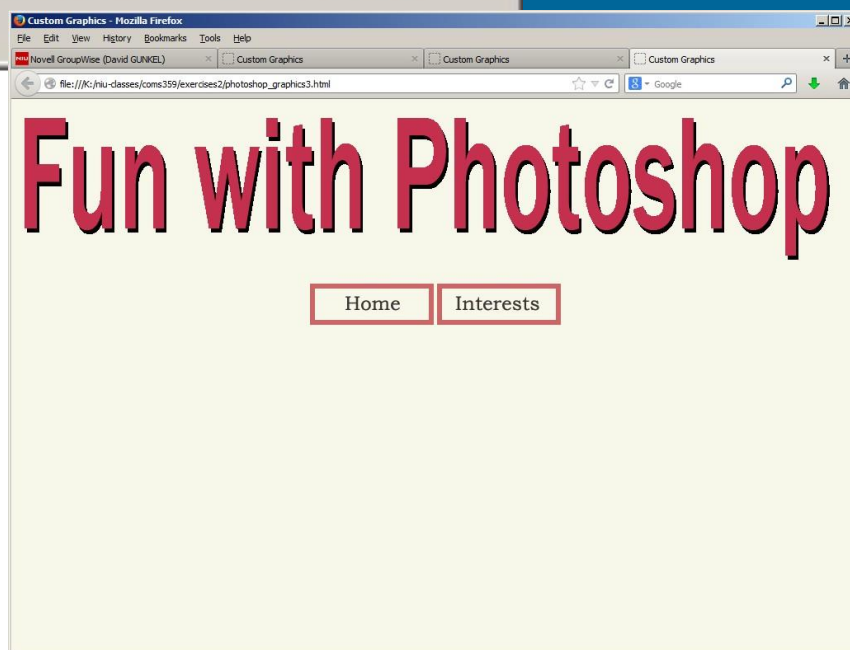
- Insert buttons into web page
- Make the buttons hypermedia links





photoshop\_graphics3.html x photoshop\_graphics1.html x

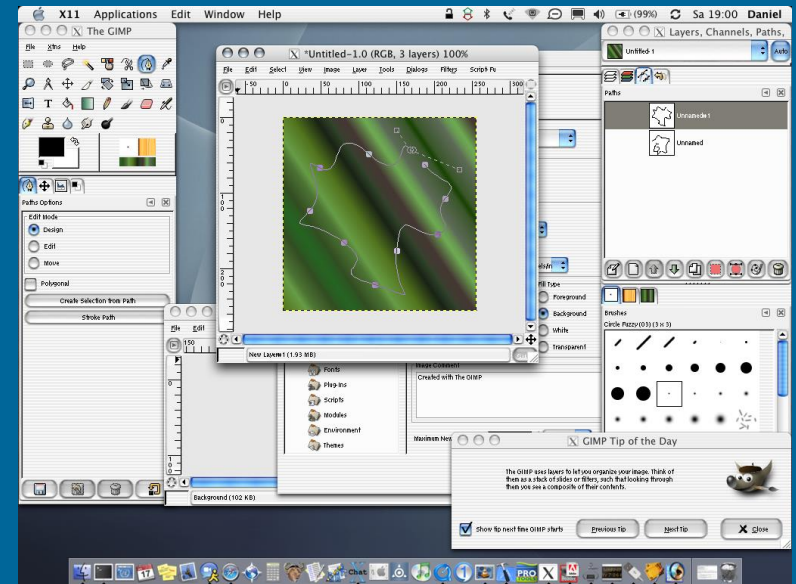
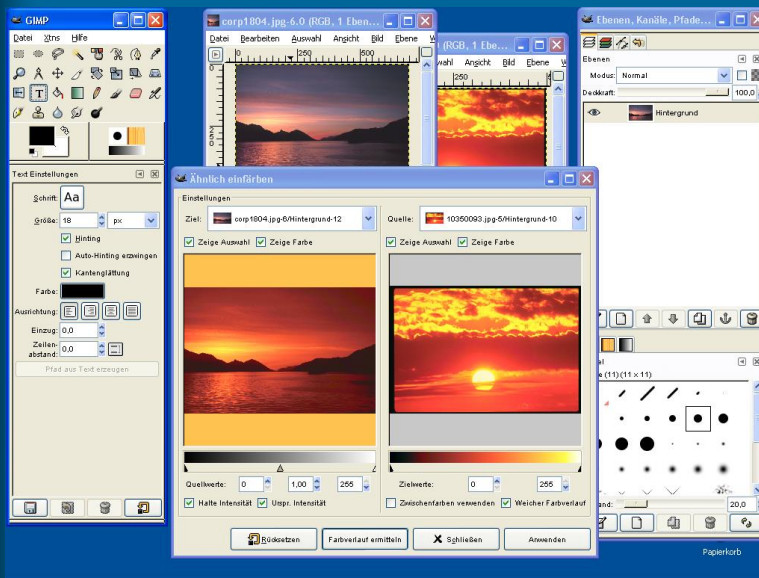
```
1  <html>
2  <head>
3      <title>Custom Graphics</title>
4  </head>
5
6  <body bgcolor="#f7f8ea">
7
8      
9
10     <p align="center">
11
12         <a href="home.html">
13             </a>
14
15         <a href="interests.html">
16             </a>
17
18     </p>
19
20 </body>
21 </html>
22
```





# Review

- Alternative to PhotoShop
  - PhotoShop = \$19.99/mo.
  - GIMP = Free

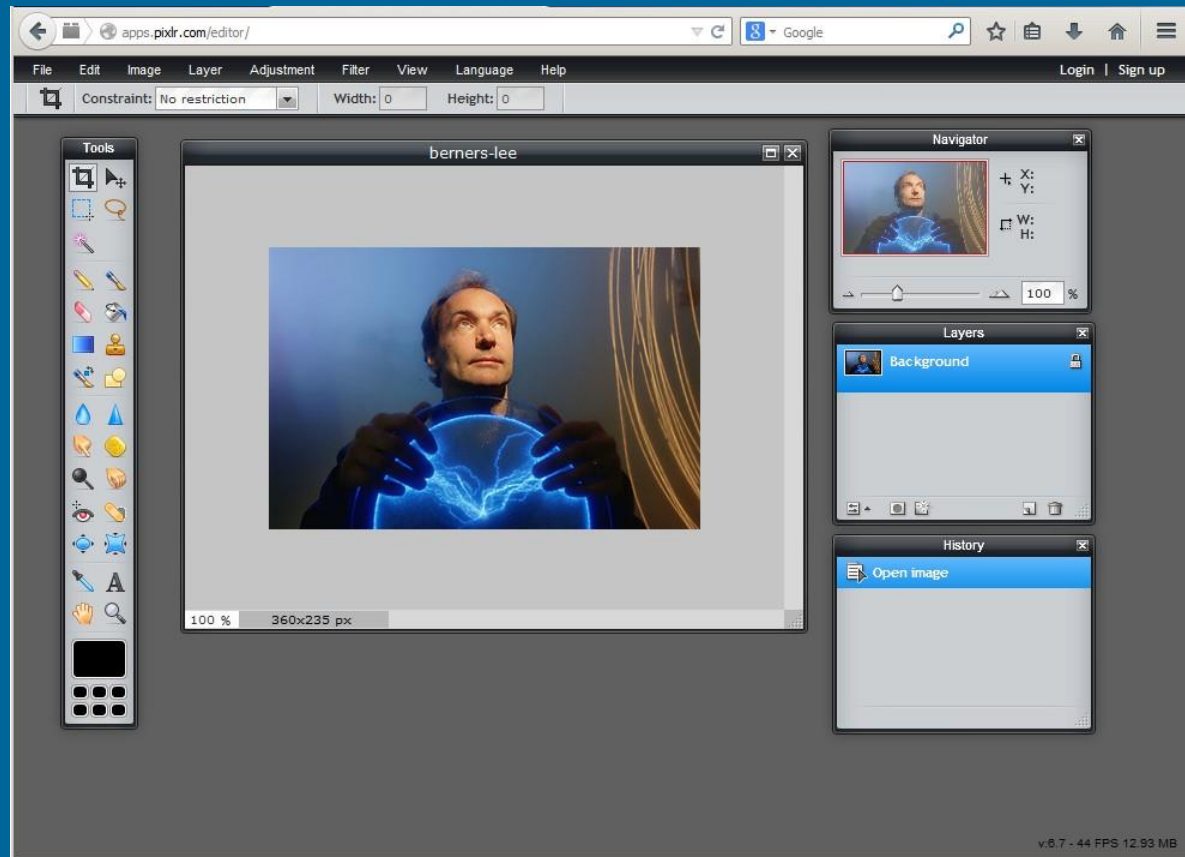


<http://www.gimp.org/downloads/>



# Review

- Pixlr – Web Application (free)



<http://apps.pixlr.com/editor/>

# Next Step

- 2 Methods
  - Tables
  - CSS

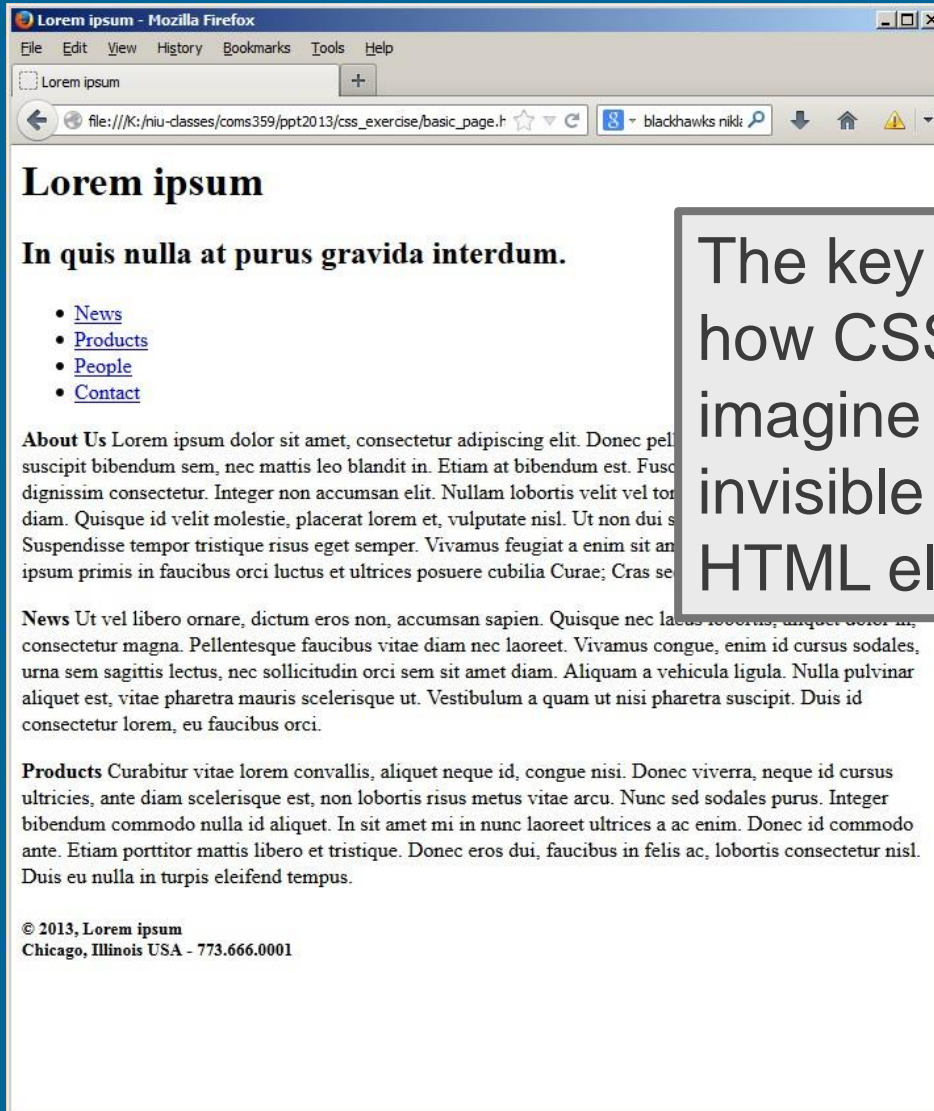


# Introducing CSS

- What is CSS?
  - *Cascading Style Sheets* (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a markup language like HTML.
  - Provides more flexibility and control in the specification of presentation characteristics, enables multiple pages to share formatting, and reduces complexity and repetition.



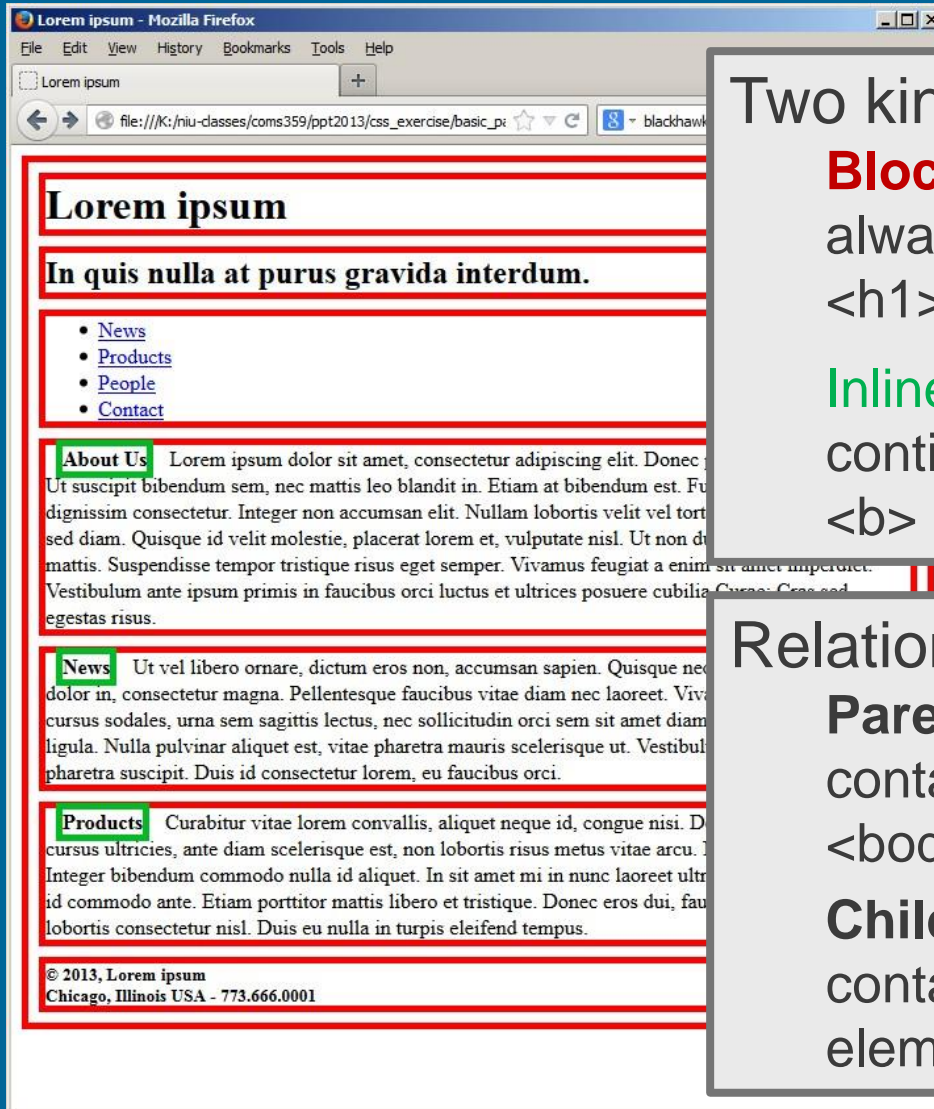
# Introducing CSS



The key to understanding how CSS works is to imagine that there is an invisible box around every HTML element.



# Introducing CSS



## Two kinds of elements:

**Block** – Elements that always start a new line  
`<h1>` `<p>` `<ul>`

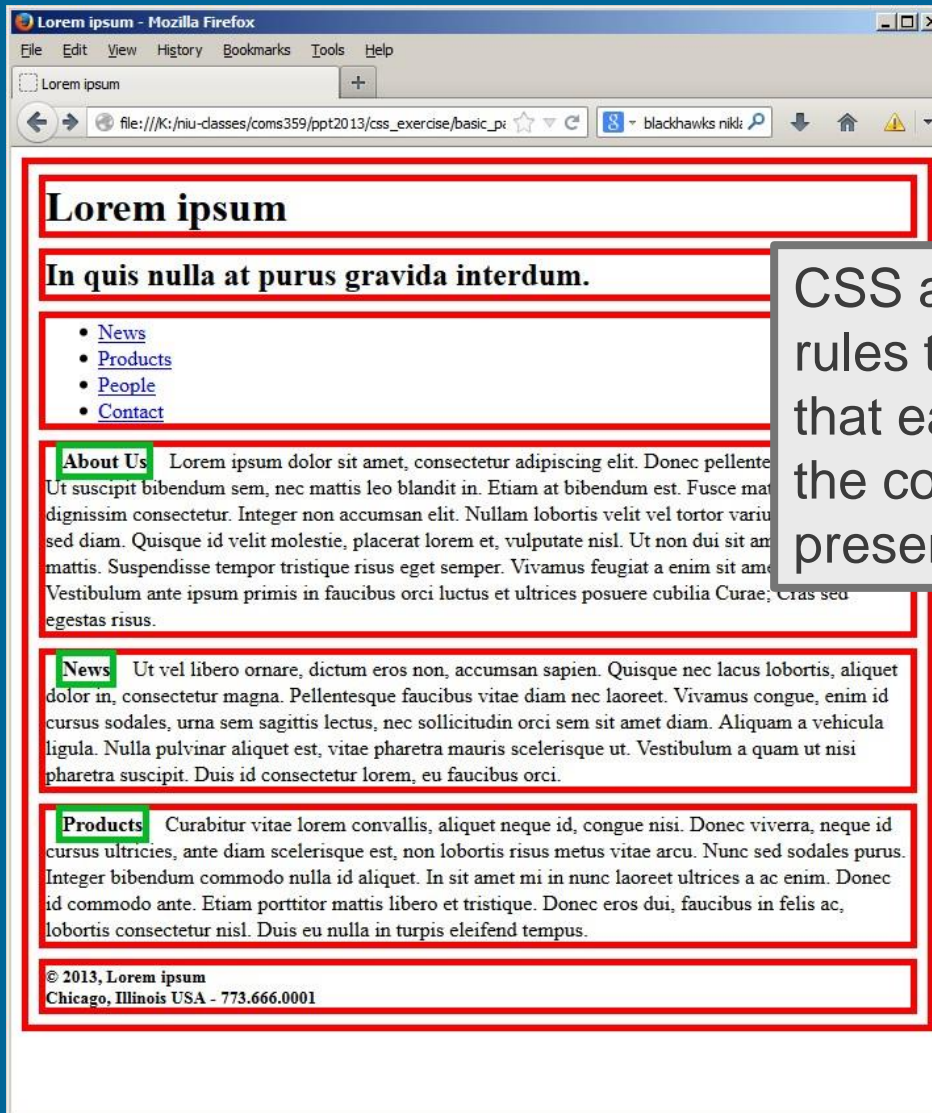
**Inline** – Elements that continue on the same line  
`<b>` `<i>` `<u>`

## Relationships:

**Parent** – Elements that contains other elements  
`<body>`

**Child** – Elements that are contained by other elements  
`<p>` `<ul>` `<li>`

# Introducing CSS



CSS allow you to create rules that control the way that each individual box (and the contents of that box) is presented



# Introducing CSS



```
body {font-family: arial}
```

```
h1 {color: #ff4400; font-size: 70px}
```

```
p {color: #888888}
```

```
b {color: #990000; font-size: 30px}
```

# Introducing CSS

## CSS Syntax

Declaration Block

Selector { property : value ; }

Declaration

CSS  
videos.com

```
body  
  {font-family:arial}
```

```
b  
  {color:#990000;  
    font-size:30px;}
```



# Introducing CSS

## CSS Selectors

### html element selector

Matches the name of the html element, i.e. BODY, H1, P, B, etc.

```
*K:\niu-classes\coms359\ppt2013\css_exercise\basic_page4.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
widgetstyle7.css new 2 basic_page4.html basic_page3.html
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4   </head>
5   <body>
6
7     <h1>Lorem ipsum</h1>
8     <h2>In quis nulla at purus gravida interdum.</h2>
9
10    <ul>
11      <li><a href="news.html">News</a></li>
12      <li><a href="products.html">Products</a></li>
13      <li><a href="people.html">People</a><br></li>
14      <li><a href="contact.html">Contact</a></li>
15    </ul>
16
17    <p class="about"><b>About Us</b> Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Donec pellentesque varius leo. Ut suscipit bibendum sem,
nec mattis leo blandit in. Etiam at bibendum est. Fusce mattis velit ac
justo dignissim consectetur. Integer non accumsan elit. Nullam lobortis
velit vel tortor varius aliquet egestas sed diam. Quisque id velit molestie,
placerat lorem et, vulputate nisl. Ut non dui sit amet tortor egestas
mattis. Suspendisse tempor tristique risus eget semper. Vivamus feugiat a
enim sit amet imperdiet. Vestibulum ante ipsum primis in faucibus orci
luctus et ultrices posuere cubilia Curae; Cras sed egestas risus.</p>
18
19    <p id="news"><b>News</b> Ut vel libero ornare, dictum eros non, accumsan
sapien. Quisque nec lacus lobortis, aliquet dolor in, consectetur magna.
Pellentesque faucibus vitae diam nec laoreet. Vivamus congue, enim id cursus
sodales, urna sem sagittis lectus, nec sollicitudin orci sem sit amet diam.
Aliquam a vehicula ligula. Nulla pulvinar aliquet est, vitae pharetra mauris
scelerisque ut. Vestibulum a quam ut nisi pharetra suscipit. Duis id
consectetur lorem, eu faucibus orci.</p>
20
Hyper Text Markup Language file length : 2083 lines : 31 Ln : 4 Col : 3 Sel : 0 | 0 Dos/Windows ANSI as UTF-8 INS
```

```
body
{font-family:arial}

.about
{color:#00ff00}

#news
{color:#0000ff}

li > a
{color:#999999;
font-size:14px}

ul li
{font-style:italic}
```

# Introducing CSS

## CSS Selectors

### class selector

Matches an element whose class attribute has a value that matches the one specified after the period

```
*K:\niu-classes\coms359\ppt2013\css_exercise\basic_page4.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
widgetstyle7.css new 2 basic_page4.html basic_page3.html
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4   </head>
5   <body>
6
7     <h1>Lorem ipsum</h1>
8     <h2>In quis nulla at purus gravida interdum.</h2>
9
10    <ul>
11      <li><a href="news.html">News</a></li>
12      <li><a href="products.html">Products</a></li>
13      <li><a href="people.html">People</a><br></li>
14      <li><a href="contact.html">Contact</a></li>
15    </ul>
16
17    <p class="about">About Us</b> Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Donec pellentesque varius leo. Ut suscipit bibendum sem,
nec mattis leo blandit in. Etiam at bibendum est. Fusce mattis velit ac
justo dignissim consectetur. Integer non accumsan elit. Nullam lobortis
velit vel tortor varius aliquet egestas sed diam. Quisque id velit molestie,
placerat lorem et, vulputate nisl. Ut non dui sit amet tortor egestas
mattis. Suspendisse tempor tristique risus eget semper. Vivamus feugiat a
enim sit amet imperdiet. Vestibulum ante ipsum primis in faucibus orci
luctus et ultrices posuere cubilia Curae; Cras sed egestas risus.</p>
18
19    <p id="news"><b>News</b> Ut vel libero ornare, dictum eros non, accumsan
sapien. Quisque nec lacus lobortis, aliquet dolor in, consectetur magna.
Pellentesque faucibus vitae diam nec laoreet. Vivamus congue, enim id cursus
sodales, urna sem sagittis lectus, nec sollicitudin orci sem sit amet diam.
Aliquam a vehicula ligula. Nulla pulvinar aliquet est, vitae pharetra mauris
scelerisque ut. Vestibulum a quam ut nisi pharetra suscipit. Duis id
consectetur lorem, eu faucibus orci.</p>
20
Hyper Text Markup Language file length: 2083 lines: 31 Ln: 4 Col: 3 Sel: 0 | 0 Dos/Windows ANSI as UTF-8 INS
```

```
body
{font-family:arial}

.about
{color:#00ff00}

#news
{color:#0000ff}

li > a
{color:#999999;
font-size:14px}

ul li
{font-style:italic}
```

\*Class names are arbitrary



# Introducing CSS

## CSS Selectors

### id selector

Matches an element whose id attribute has a value that matches the one specified after the # sign

```
*K:\niu-classes\coms359\ppt2013\css_exercise\basic_page4.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
widgetstyle7.css new 2 basic_page4.html basic_page3.html
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4   </head>
5   <body>
6
7     <h1>Lorem ipsum</h1>
8     <h2>In quis nulla at purus gravida interdum.</h2>
9
10    <ul>
11      <li><a href="news.html">News</a></li>
12      <li><a href="products.html">Products</a></li>
13      <li><a href="people.html">People</a><br></li>
14      <li><a href="contact.html">Contact</a></li>
15    </ul>
16
17    <p class="about"><b>About Us</b> Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Donec pellentesque varius leo. Ut suscipit bibendum sem
nec mattis leo blandit in. Etiam at bibendum est. Fusce mattis velit ac
justo dignissim consectetur. Integer non accumsan elit. Nulla lobortis
velit vel tortor varius aliquet egestas sed diam. Quisque id velit molestie,
placerat lorem et, vulputate nisl. Ut non dui sit amet tortor egestas
mattis. Suspendisse tempor tristique risus eget semper. Vivamus feugiat a
enim sit amet imperdiet. Vestibulum ante ipsum primis in faucibus orci
luctus et ultrices posuere cubilia Curae; Cras sed egestas risus.</p>
18
19    <p id="news"><b>News</b> Ut vel libero ornare, dictum eros non, accumsan
sapien. Quisque nec lacus lobortis, aliquet dolor in, consectetur magna.
Pellentesque faucibus vitae diam nec laoreet. Vivamus congue, enim id cursus
socios, urna sem sagittis lectus, nec sollicitudin orci sem sit amet diam.
Aliquam a vehicula ligula. Nulla pulvinar aliquet est, vitae pharetra mauris
scelerisque ut. Vestibulum a quam ut nisi pharetra suscipit. Duis id
consectetur lorem, eu faucibus orci.</p>
20
Hyper Text Markup Language file length: 2083 lines: 31 Ln: 4 Col: 3 Sel: 0 | 0 Dos\Windows ANSI as UTF-8 INS
```

```
body
{font-family:arial}

.about
{color:#00ff00}

#news
{color:#0000ff}

li > a
{color:#999999;
font-size:14px}

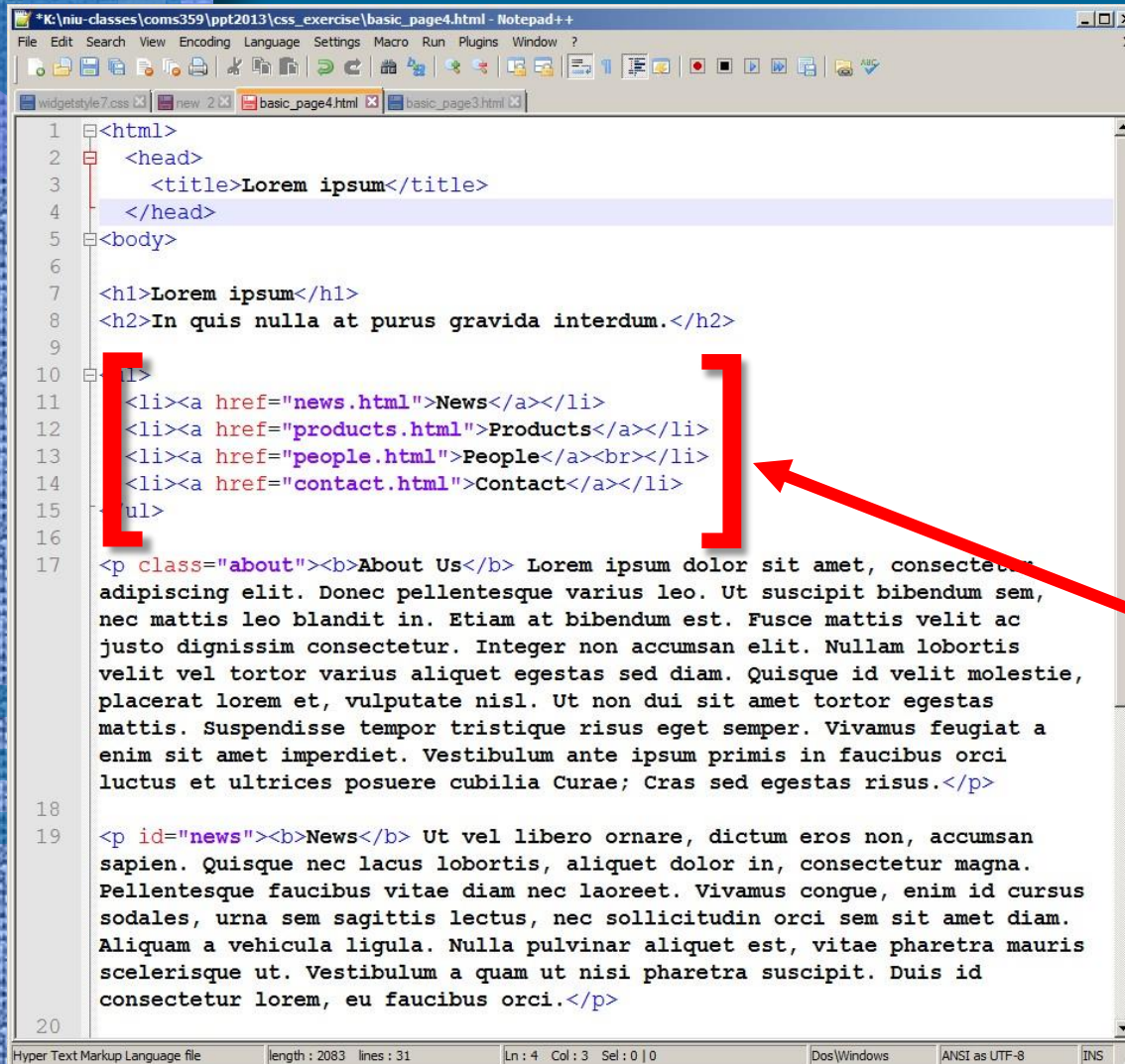
ul li
{font-style:italic}
```

# Introducing CSS

## CSS Selectors

### child selector

Matches an element that is the direct child (decendent) of another element.



```
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4   </head>
5   <body>
6
7     <h1>Lorem ipsum</h1>
8     <h2>In quis nulla at purus gravida interdum.</h2>
9
10    <ul>
11      <li><a href="news.html">News</a></li>
12      <li><a href="products.html">Products</a></li>
13      <li><a href="people.html">People</a><br></li>
14      <li><a href="contact.html">Contact</a></li>
15    </ul>
16
17    <p class="about"><b>About Us</b> Lorem ipsum dolor sit amet, consectetur
18      adipiscing elit. Donec pellentesque varius leo. Ut suscipit bibendum sem,
19      nec mattis leo blandit in. Etiam at bibendum est. Fusce mattis velit ac
20      justo dignissim consectetur. Integer non accumsan elit. Nullam lobortis
      velit vel tortor varius aliquet egestas sed diam. Quisque id velit molestie,
      placerat lorem et, vulputate nisl. Ut non dui sit amet tortor egestas
      mattis. Suspendisse tempor tristique risus eget semper. Vivamus feugiat a
      enim sit amet imperdiet. Vestibulum ante ipsum primis in faucibus orci
      luctus et ultrices posuere cubilia Curae; Cras sed egestas risus.</p>
21
22    <p id="news"><b>News</b> Ut vel libero ornare, dictum eros non, accumsan
23      sapien. Quisque nec lacus lobortis, aliquet dolor in, consectetur magna.
24      Pellentesque faucibus vitae diam nec laoreet. Vivamus congue, enim id cursus
25      sodales, urna sem sagittis lectus, nec sollicitudin orci sem sit amet diam.
26      Aliquam a vehicula ligula. Nulla pulvinar aliquet est, vitae pharetra mauris
27      scelerisque ut. Vestibulum a quam ut nisi pharetra suscipit. Duis id
28      consectetur lorem, eu faucibus orci.</p>
29
30  </body>
31 </html>
```

```
body
{
  font-family:arial;
}

.about
{
  color:#00ff00;
}

#news
{
  color:#0000ff;
}

li > a
{
  color:#999999;
  font-size:14px;
}

ul li
{
  font-style:italic;
}
```



# Introducing CSS

## CSS Selectors

### descendent selector

Matches an element that is the descendent of another specified element (not just a direct child).

```
*K:\niu-classes\coms359\ppt2013\css_exercise\basic_page4.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
widgetstyle7.css new 2 basic_page4.html basic_page3.html
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4   </head>
5 <body>
6
7   <h1>Lorem ipsum</h1>
8   <h2>In quis nulla at purus gravida interdum.</h2>
9
10  <ul>
11    <li><a href="news.html">News</a></li>
12    <li><a href="products.html">Products</a></li>
13    <li><a href="people.html">People</a><br></li>
14    <li><a href="contact.html">Contact</a></li>
15  </ul>
16
17  <p class="about"><b>About Us</b> Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Donec pellentesque varius leo. Ut suscipit bibendum sem,
nec mattis leo blandit in. Etiam at bibendum est. Fusce mattis velit ac
justo dignissim consectetur. Integer non accumsan elit. Nullam lobortis
velit vel tortor varius aliquet egestas sed diam. Quisque id velit molestie,
placerat lorem et, vulputate nisl. Ut non dui sit amet tortor egestas
mattis. Suspendisse tempor tristique risus eget semper. Vivamus feugiat a
enim sit amet imperdiet. Vestibulum ante ipsum primis in faucibus orci
luctus et ultrices posuere cubilia Curae; Cras sed egestas risus.</p>
18
19  <p id="news"><b>News</b> Ut vel libero ornare, dictum eros non, accumsan
sapien. Quisque nec lacus lobortis, aliquet dolor in, consectetur magna.
Pellentesque faucibus vitae diam nec laoreet. Vivamus congue, enim id cursus
sodales, urna sem sagittis lectus, nec sollicitudin orci sem sit amet diam.
Aliquam a vehicula ligula. Nulla pulvinar aliquet est, vitae pharetra mauris
scelerisque ut. Vestibulum a quam ut nisi pharetra suscipit. Duis id
consectetur lorem, eu faucibus orci.</p>
20
Hyper Text Markup Language file length : 2083 lines : 31 Ln : 4 Col : 3 Sel : 0 | 0 Dos\Windows ANSI as UTF-8 INS
```

```
body
{font-family:arial}

.about
{color:#00ff00}

#news
{color:#0000ff}

li > a
{color:#999999;
font-size:14px}

ul li
{font-style:italic}
```

# Introducing CSS

## Inheritance:

Properties of the parent element (i.e. <body>) extend to or are inherited by the child elements (i.e. <p> <ul> <li>).

But properties of the child elements do not extend to the parent element.

```
body
  {font-family:arial}

.about
  {color:#00ff00}

#news
  {color:#0000ff}

li > a
  {color:#999999;
   font-size:14px}

ul li
  {font-style:italic}
```

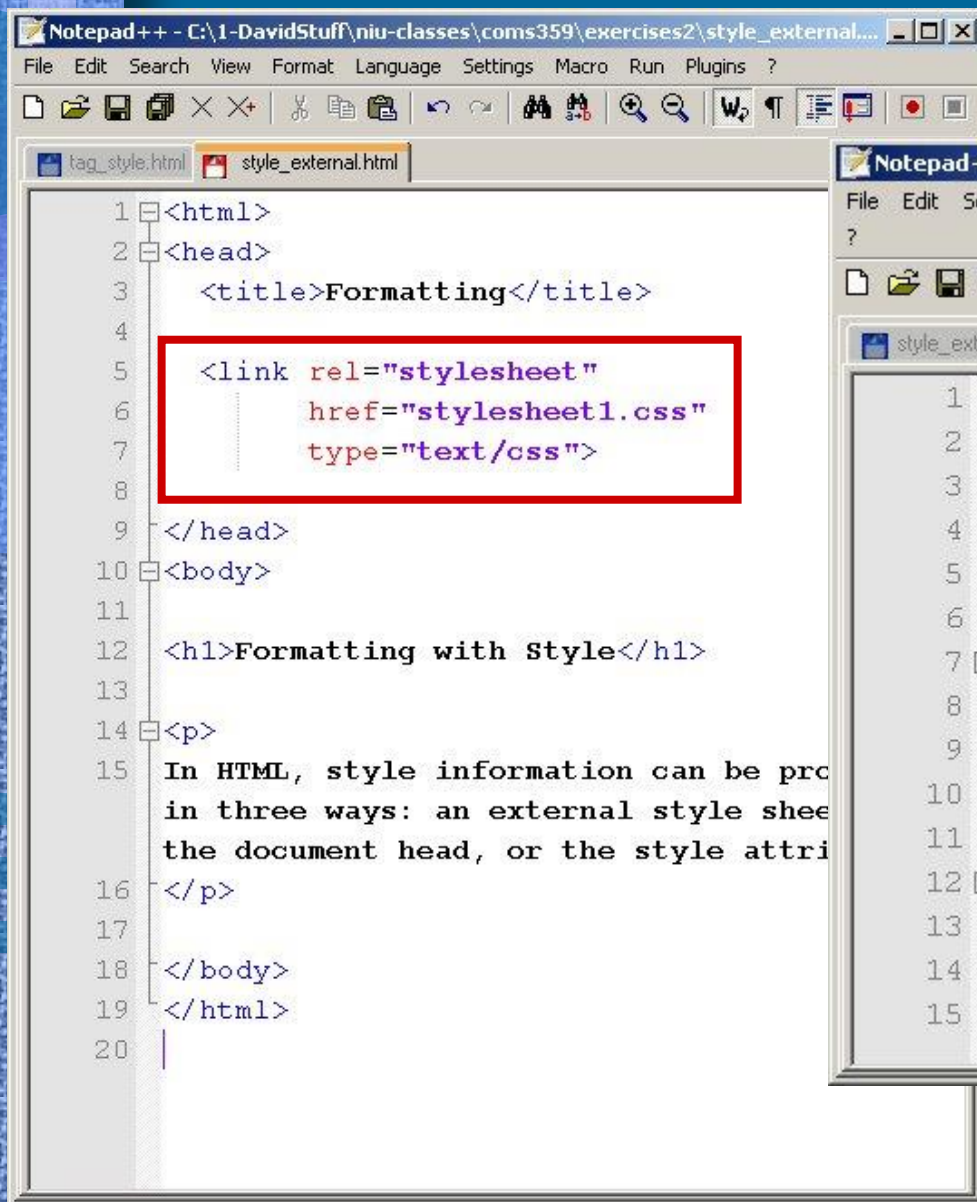
# Introducing CSS

- Three locations for style information
  - External Style Sheet
  - Document-level Style
  - style Attribute

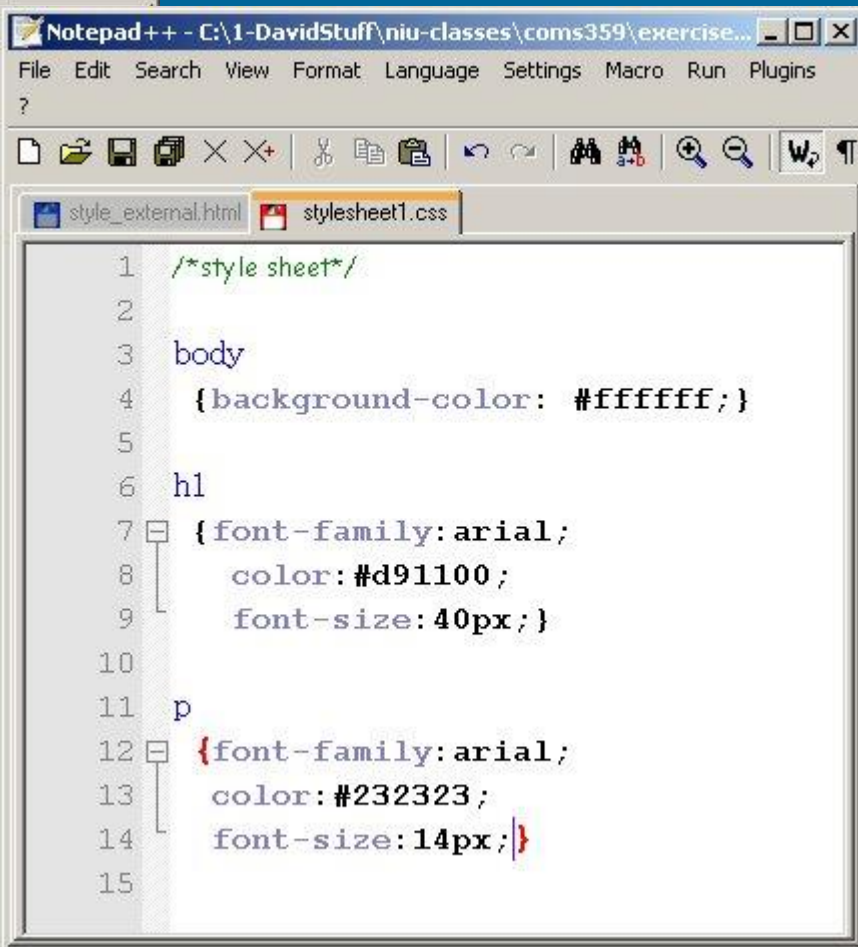


# Introducing CSS

## 1. External Style Sheet



```
1 <html>
2 <head>
3   <title>Formatting</title>
4
5   <link rel="stylesheet"
6         href="stylesheet1.css"
7         type="text/css">
8
9 </head>
10 <body>
11
12 <h1>Formatting with Style</h1>
13
14 <p>
15 In HTML, style information can be provided
16 in three ways: an external style sheet,
17 the document head, or the style attribute.
18 </p>
19 </body>
20 </html>
```

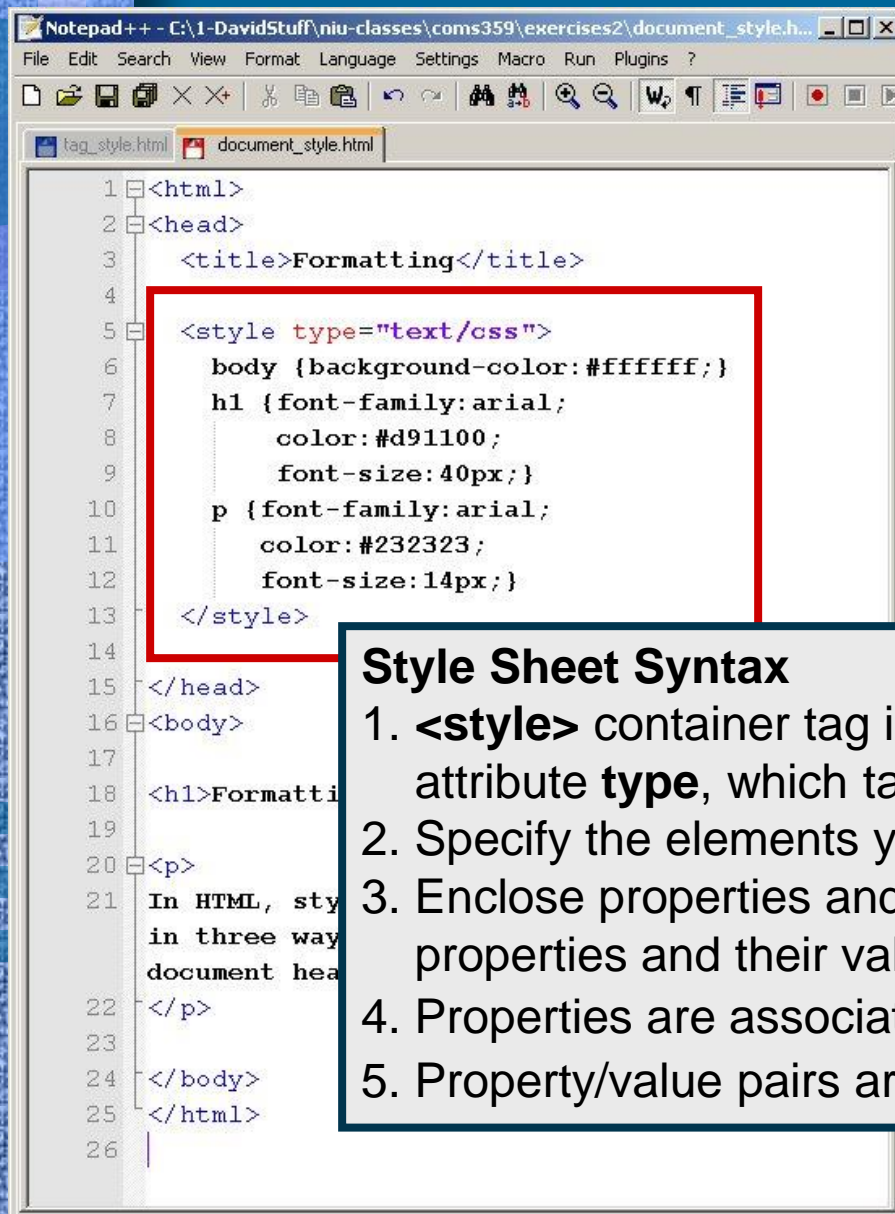


```
1 /*style sheet*/
2
3 body
4 {background-color: #ffffff;}
5
6 h1
7 {font-family: arial;
8  color: #d91100;
9  font-size: 40px;}
10
11 p
12 {font-family: arial;
13  color: #232323;
14  font-size: 14px;}
15
```



# Introducing CSS

## 2. Document-Level Style Sheet



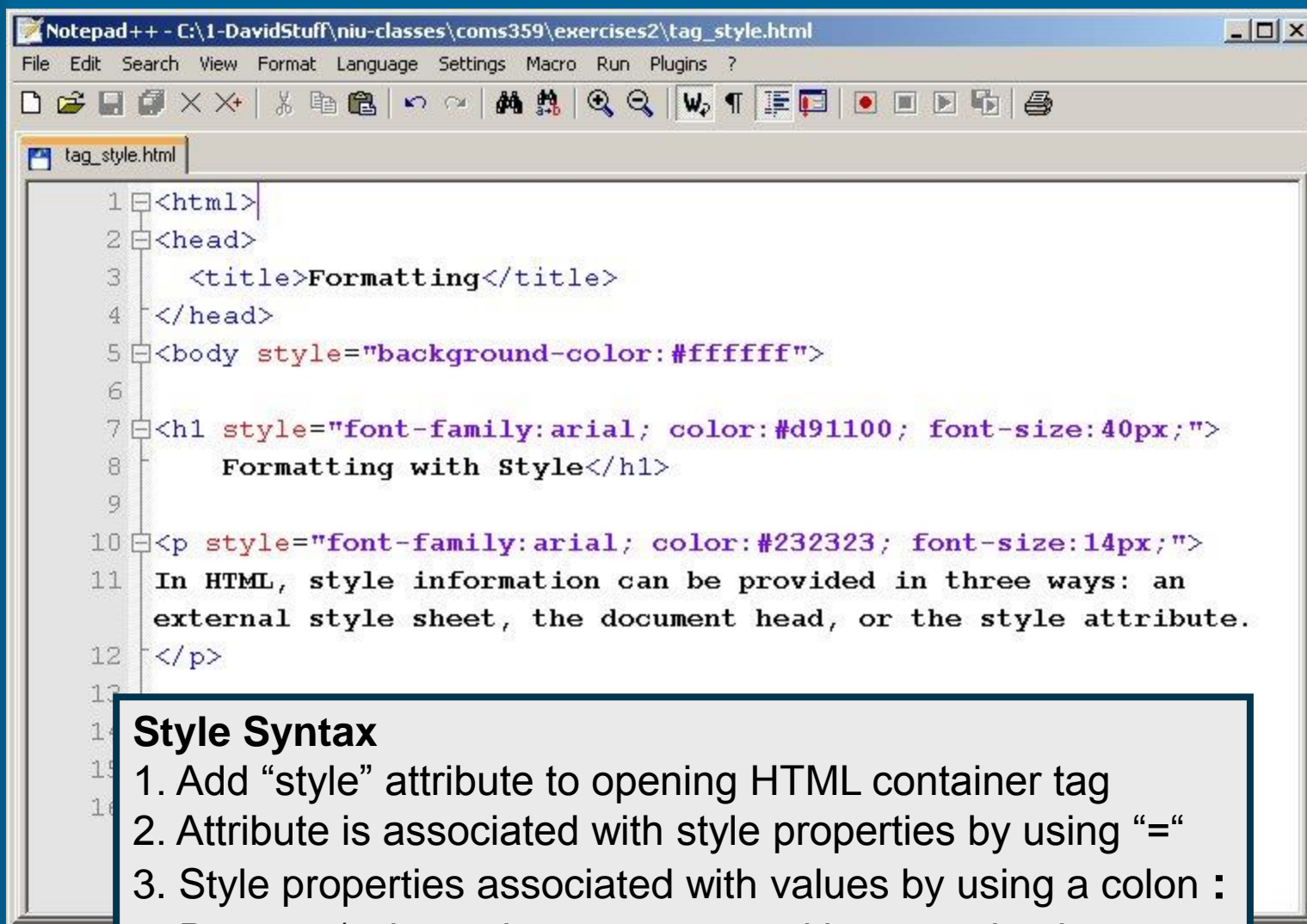
```
1 <html>
2 <head>
3   <title>Formatting</title>
4
5   <style type="text/css">
6     body {background-color:#ffffff;}
7     h1 {font-family:arial;
8         color:#d91100;
9         font-size:40px;}
10    p {font-family:arial;
11       color:#232323;
12       font-size:14px;}
13  </style>
14
15 </head>
16 <body>
17
18 <h1>Formatti
19
20 <p>
21 In HTML, sty
22 in three way
23 document hea
24 </p>
25 </body>
26 </html>
```

### Style Sheet Syntax

1. **<style>** container tag is situated in the **<head>**; it has the attribute **type**, which takes the value **"text/css"**
2. Specify the elements you want to effect – **body**, **h1**, **p**
3. Enclose properties and values in braces **{ }**; acceptable properties and their values are listed in the book.
4. Properties are associated with values by using a colon **:**
5. Property/value pairs are separated by a semi-colon **;**

# Introducing CSS

## 3. Tag-Level Style Attribute



```
1 <html>
2 <head>
3   <title>Formatting</title>
4 </head>
5 <body style="background-color:#ffffff">
6
7 <h1 style="font-family:arial; color:#d91100; font-size:40px;">
8   Formatting with Style</h1>
9
10 <p style="font-family:arial; color:#232323; font-size:14px;">
11   In HTML, style information can be provided in three ways: an
12   external style sheet, the document head, or the style attribute.
13 </p>
14
15
16
```

### Style Syntax

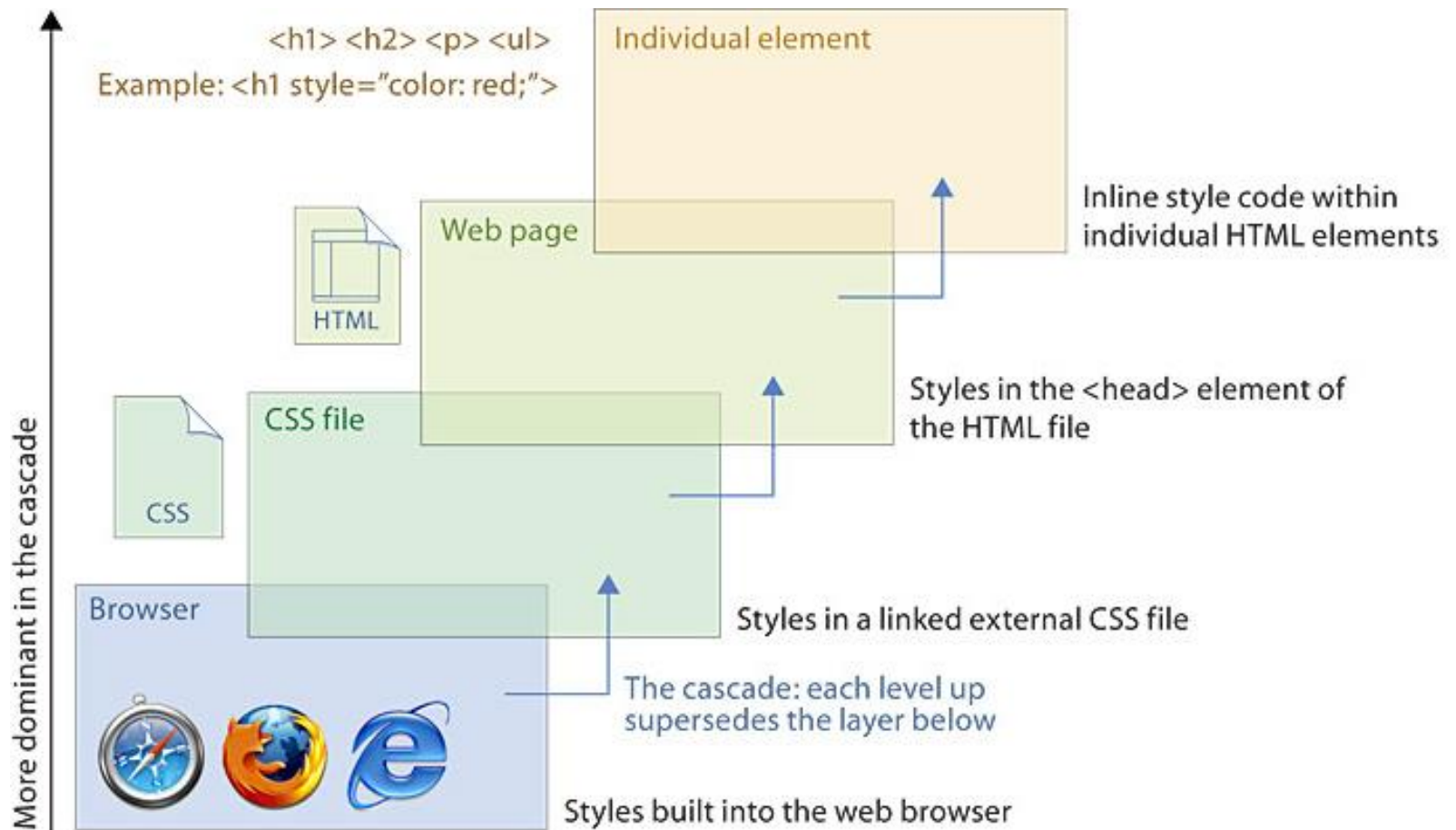
1. Add "style" attribute to opening HTML container tag
2. Attribute is associated with style properties by using "="
3. Style properties associated with values by using a colon :
4. Property/value pairs are separated by a semi-colon ;

# Introducing CSS

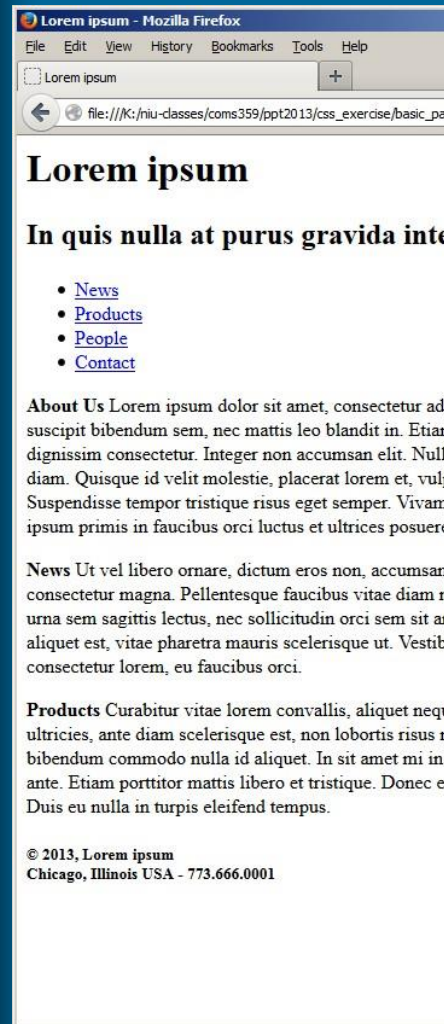
- You can combine all three
  - external style sheets
  - document-level style sheets
  - tag-level style information
- Different style designations are arranged in a priority or cascading hierarchy
  - *cascading* style sheets (CSS)



# Introducing CSS



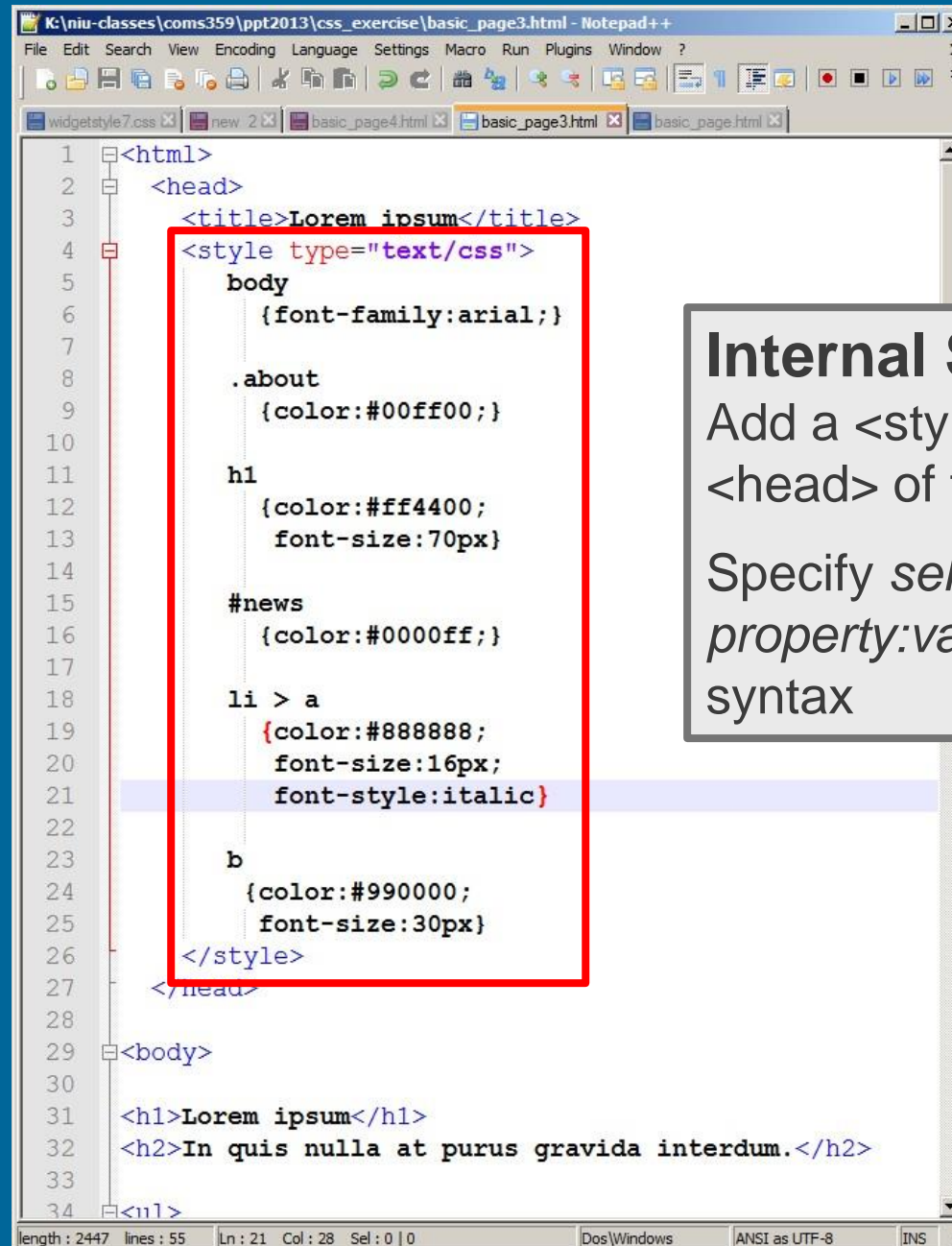
# Exercise 1 – <http://gunkelweb.com/coms359/lorem.html>



```
*F:/niu-classes/coms359/website3/lorem.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
lorem.html
<html>
  <head>
    <title>Lorem ipsum</title>
  </head>
  <body>
    <h1>Lorem ipsum</h1>
    <h2>In quis nulla at purus gravida interdum.</h2>
    <ul>
      <li><a href="news.html">News</a></li>
      <li><a href="products.html">Products</a></li>
      <li><a href="people.html">People</a><br></li>
      <li><a href="contact.html">Contact</a></li>
    </ul>
    <p class="about"><b>About Us</b> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec pellentesque varius leo. Ut suscipit bibendum sem, nec mattis leo blandit in. Etiam at bibendum est. Fusce mattis velit ac justo dignissim consectetur. Integer non accumsan elit. Nullam lobortis velit vel tortor varius aliquet egestas sed diam. Quisque id velit molestie, placerat lorem et, vulputate nisl. Ut non dui sit amet tortor egestas mattis. Suspendisse tempor tristique risus eget semper. Vivamus feugiat a enim sit amet imperdiet. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Cras sed egestas risus.</p>
    <p id="news"><b>News</b> Ut vel libero ornare, dictum eros non, accumsan sapien. Quisque nec lacus lobortis, aliquet dolor in, consectetur magna. Pellentesque faucibus vitae diam nec laoreet. Vivamus congue, enim id cursus sodales, urna sem sagittis lectus, nec sollicitudin orci sem sit amet diam. Aliquam a vehicula ligula. Nulla pulvinar aliquet est, vitae pharetra mauris scelerisque ut. Vestibulum a quam ut nisi pharetra suscipit. Duis id consectetur lorem, eu faucibus orci.</p>
    <p><b>Products</b> Curabitur vitae lorem convallis, aliquet neque id, congue nisi. Donec viverra, neque id cursus ultricies, ante diam scelerisque est, non lobortis risus metus vitae arcu. Nunc sed sodales purus. Integer bibendum commodo nulla id aliquet. In sit amet mi in nunc laoreet ultrices a ac enim. Donec id commodo ante. Etiam porttitor mattis libero et tristique. Donec eros dui, faucibus in felis ac, lobortis consectetur nisl. Duis eu nulla in turpis eleifend tempus.</p>
    <h5>
      <copy; 2013, Lorem ipsum<br>
      Chicago, Illinois USA - 773.666.0001
    </h5>
  </body>
</html>
```



## Exercise 1 – <http://gunkelweb.com/coms359/lorem.html>



```
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4     <style type="text/css">
5       body
6         {font-family:arial;}
7
8       .about
9         {color:#00ff00;}
10
11      h1
12        {color:#ff4400;
13         font-size:70px}
14
15      #news
16        {color:#0000ff;}
17
18      li > a
19        {color:#888888;
20         font-size:16px;
21         font-style:italic}
22
23      b
24        {color:#990000;
25         font-size:30px}
26    </style>
27  </head>
28
29  <body>
30
31    <h1>Lorem ipsum</h1>
32    <h2>In quis nulla at purus gravida interdum.</h2>
33
34  </body>
```

### Internal Style Sheet

Add a `<style>` element to the `<head>` of the document

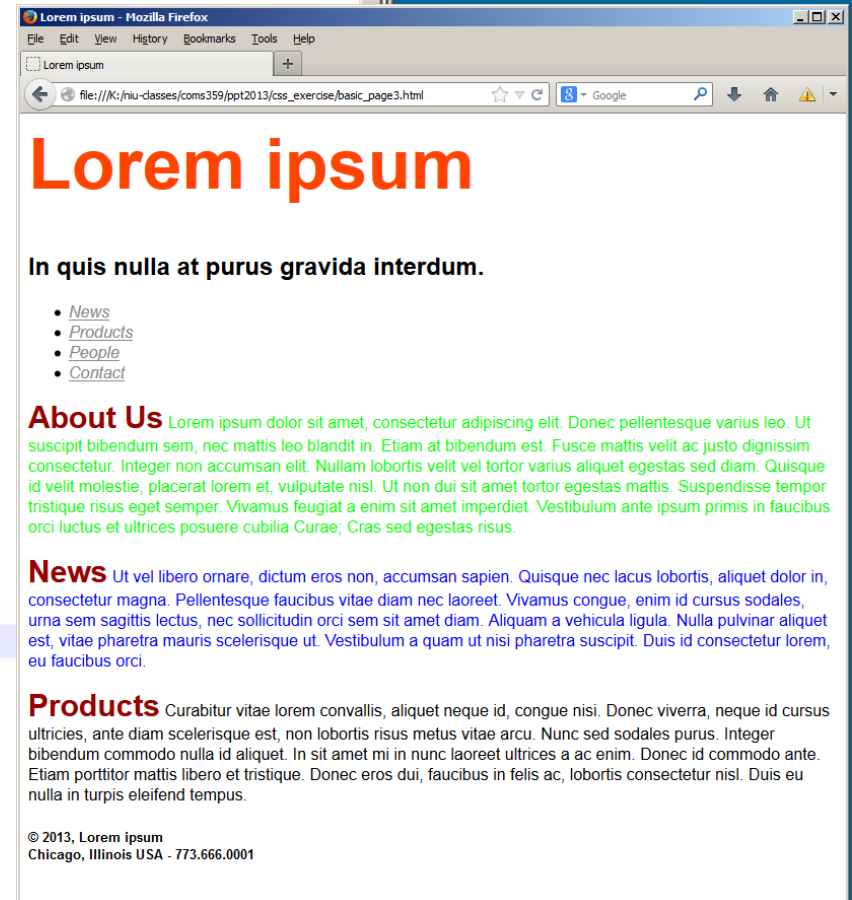
Specify *selectors* and *property:values* using CSS syntax



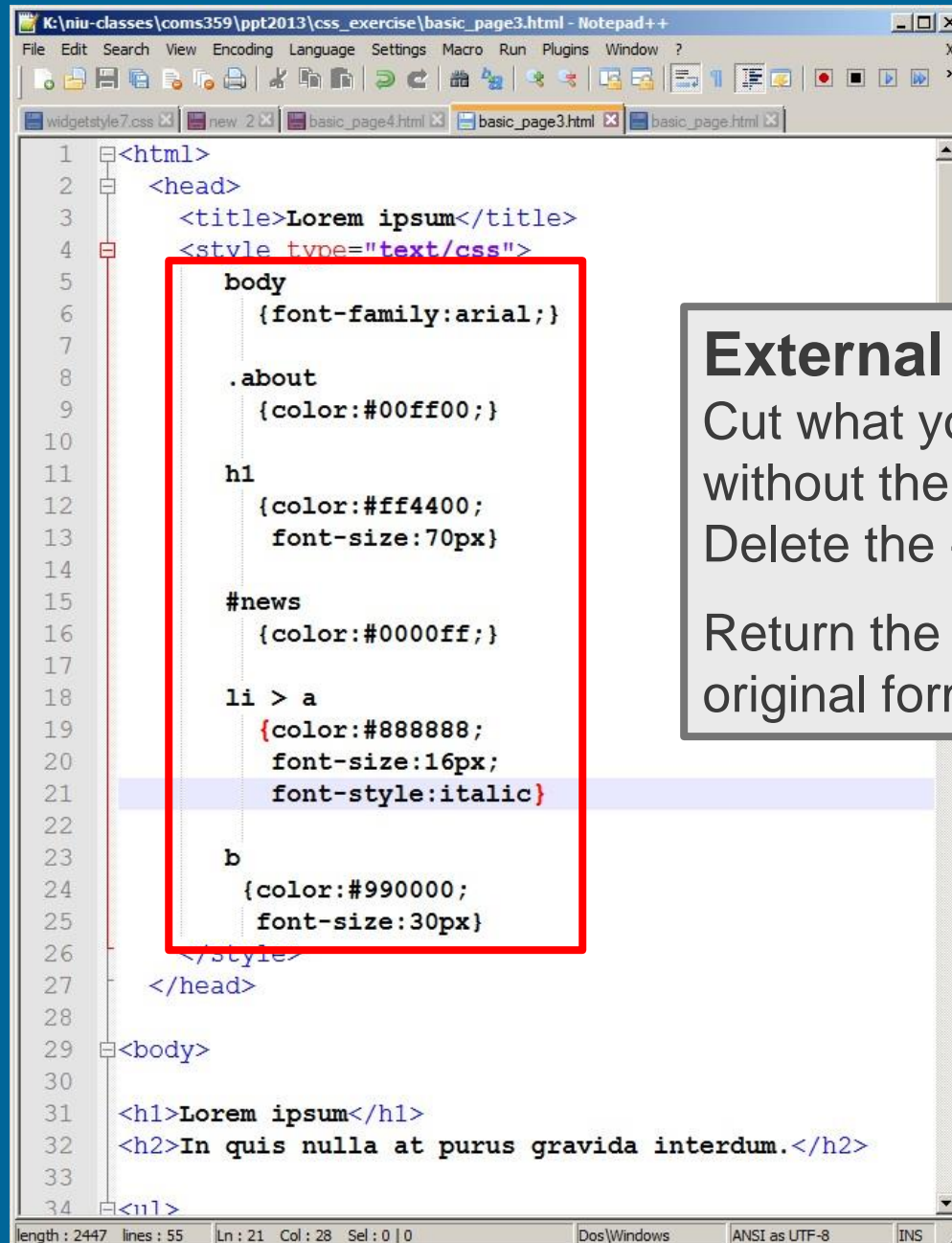
# Exercise 1 – <http://gunkelweb.com/coms359/lorem.html>

```
K:\niu-classes\coms359\ppt2013\css_exercise\basic_page3.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
widgetstyle7.css x new 2 x basic_page4.html x basic_page3.html x basic_page.html x

1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4     <style type="text/css">
5       body
6         {font-family:arial;}
7
8       .about
9         {color:#00ff00;}
10
11      h1
12        {color:#ff4400;
13         font-size:70px}
14
15      #news
16        {color:#0000ff;}
17
18      li > a
19        {color:#888888;
20         font-size:16px;
21         font-style:italic}
22
23      b
24        {color:#990000;
25         font-size:30px}
26    </style>
27  </head>
28
29  <body>
30
31    <h1>Lorem ipsum</h1>
32    <h2>In quis nulla at purus gravida interdum.</h2>
33
34  </body>
```



## Exercise 2 – <http://gunkelweb.com/coms359/lorem.html>



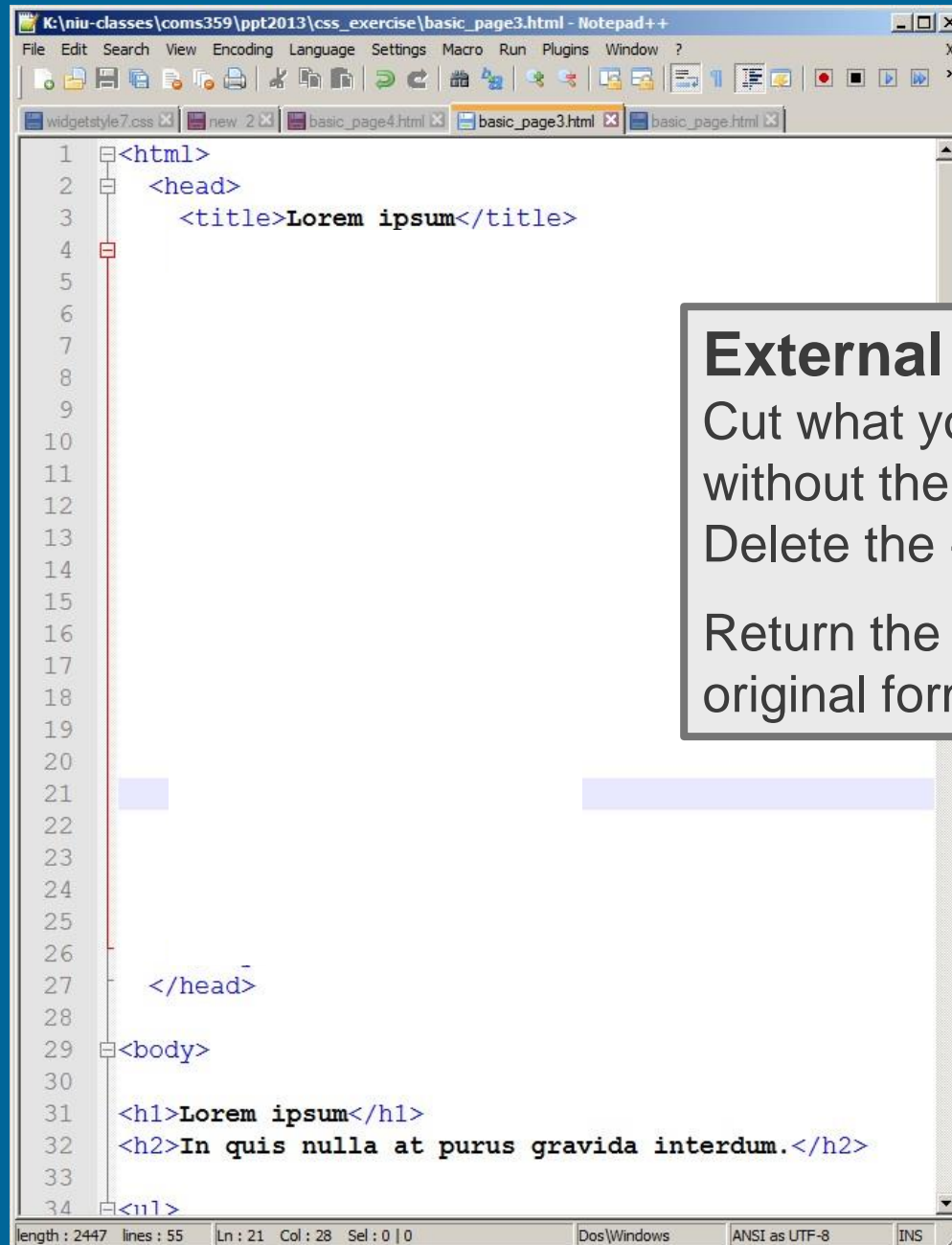
```
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4     <style type="text/css">
5       body
6         {font-family:arial;}
7
8       .about
9         {color:#00ff00;}
10
11      h1
12        {color:#ff4400;
13         font-size:70px}
14
15      #news
16        {color:#0000ff;}
17
18      li > a
19        {color:#888888;
20         font-size:16px;
21         font-style:italic}
22
23      b
24        {color:#990000;
25         font-size:30px}
26    </style>
27  </head>
28
29  <body>
30
31    <h1>Lorem ipsum</h1>
32    <h2>In quis nulla at purus gravida interdum.</h2>
33
34  </body>
```

### External Style Sheet

Cut what you just wrote (but without the <style> tags); Delete the <style> tags.

Return the document to its original form

## Exercise 2 – <http://gunkelweb.com/coms359/lorem.html>



```
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27   </head>
28
29   <body>
30
31     <h1>Lorem ipsum</h1>
32     <h2>In quis nulla at purus gravida interdum.</h2>
33
34   </body>
```

length: 2447 lines: 55 | Ln: 21 Col: 28 Sel: 0 | 0 | Dos\Windows | ANSI as UTF-8 | INS

### External Style Sheet

Cut what you just wrote (but without the <style> tags);  
Delete the <style> tags.

Return the document to its original form

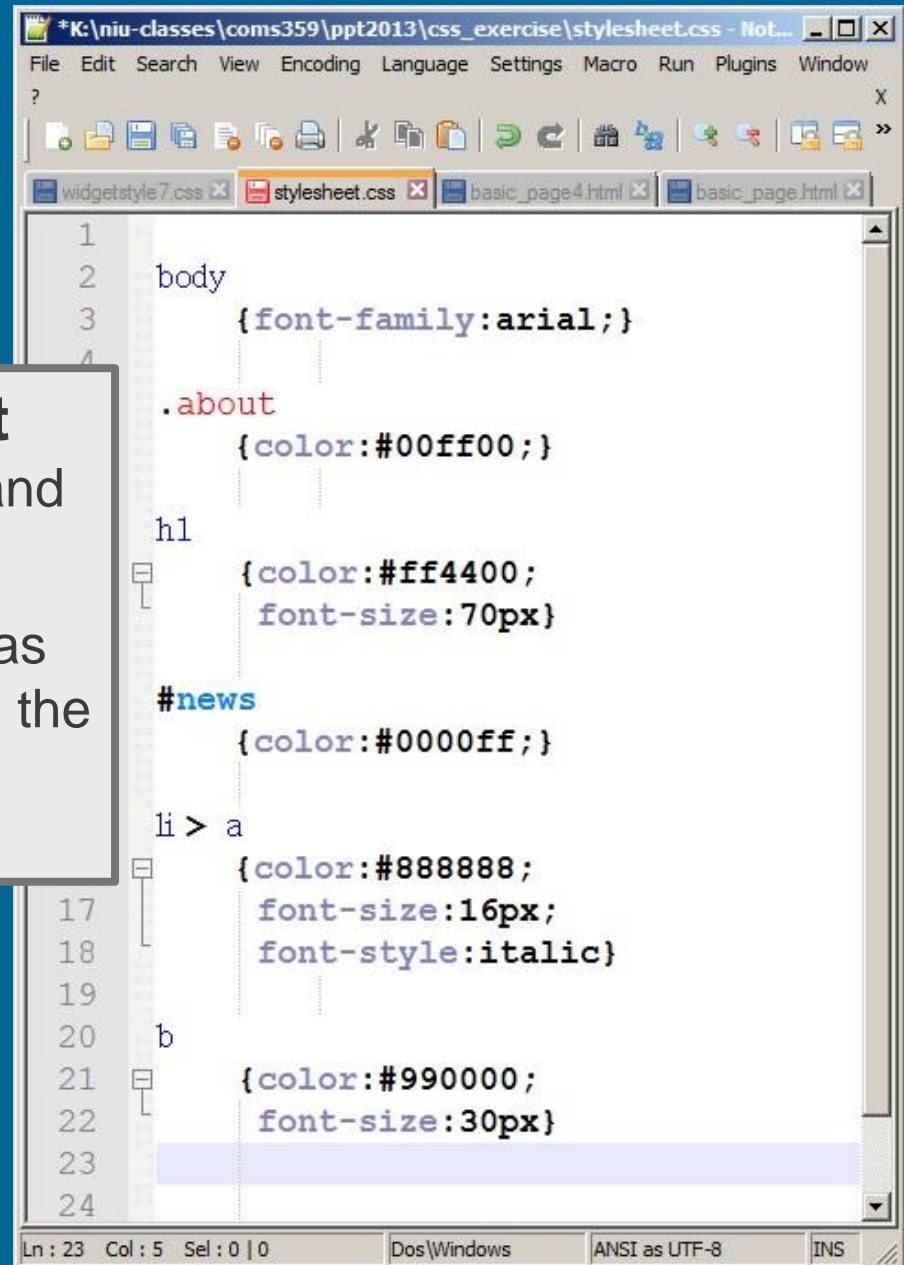


## Exercise 2 – <http://gunkelweb.com/coms359/lorem.html>

### External Style Sheet

Open an new document and paste what you cut.

Save this new document as **stylesheet.css** (save it in the same place as your html document)



The screenshot shows a Notepad++ window titled '\*K:\niu-classes\coms359\ppt2013\css\_exercise\stylesheet.css - Notepad++'. The window contains CSS code for an external style sheet. The code is as follows:

```
1
2 body
3     {font-family:arial;}
4
5
6 .about
7     {color:#00ff00;}
8
9
10 h1
11     {color:#ff4400;
12      font-size:70px}
13
14
15 #news
16     {color:#0000ff;}
17
18
19 li > a
20     {color:#888888;
21      font-size:16px;
22      font-style:italic}
23
24
25 b
26     {color:#990000;
27      font-size:30px}
```

The status bar at the bottom indicates 'Ln : 23 Col : 5 Sel : 0 | 0', 'Dos\Windows', 'ANSI as UTF-8', and 'INS'.

## Exercise 2 – <http://gunkelweb.com/coms359/lorem.html>



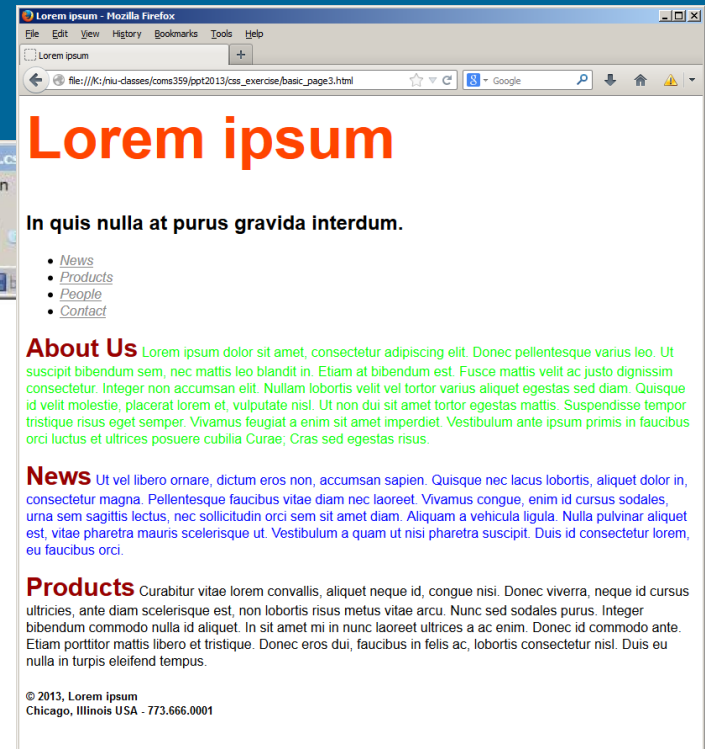
# Exercise 2 – <http://gunkelweb.com/coms359/lorem.html>

```
*K:\niu-classes\coms359\ppt2013\css_exercise\basic_page4.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
widgetstyle7.css stylesheet.css basic_page4.html basic_page.html

1 <html>
2 <head>
3   <title>Lorem ipsum</title>
4
5   <link href="stylesheet.css"
6       type="text/css"
7       rel="stylesheet">
8
9 </head>
10
11 <body>
12
13 <h1>Lorem ipsum</h1>
14 <h2>In quis nulla at purus gravida
15
16 <ul>
17   <li><a href="news.html">News</a>
18   <li><a href="products.html">Prodi
19   <li><a href="people.html">People
20   <li><a href="contact.html">Conta
21 </ul>
22
23 <p class="about"><b>About Us</b> Lo
  consecetur adipiscing elit. Donec
```

```
*K:\niu-classes\coms359\ppt2013\css_exercise\stylesheet.css
File Edit Search View Encoding Language Settings Macro Run ?
widgetstyle7.css stylesheet.css basic_page4.html

1 body
2   {font-family:arial;}
3
4
5 .about
6   {color:#00ff00;}
7
8 h1
9   {color:#ff4400;
10    font-size:70px}
11
12 #news
13   {color:#0000ff;}
14
15 li > a
16   {color:#888888;
17    font-size:16px;
18    font-style:italic}
19
20 b
21   {color:#990000;
22    font-size:30px}
23
24
```





# Introducing CSS

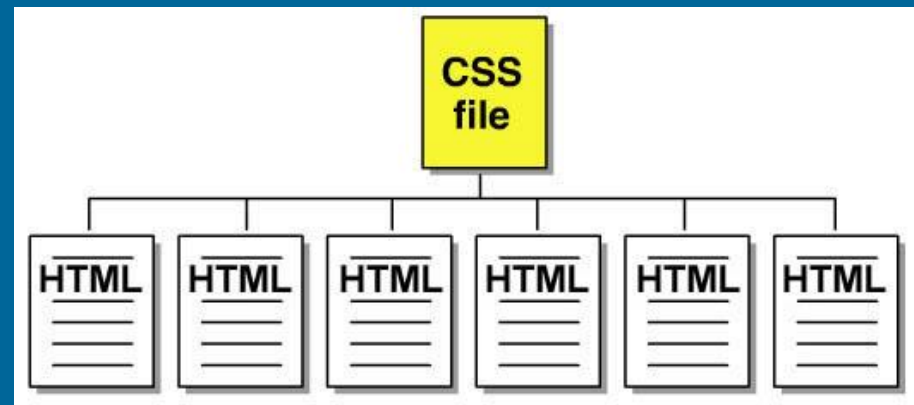
- Why use an external style sheet?

Separate content  
from design

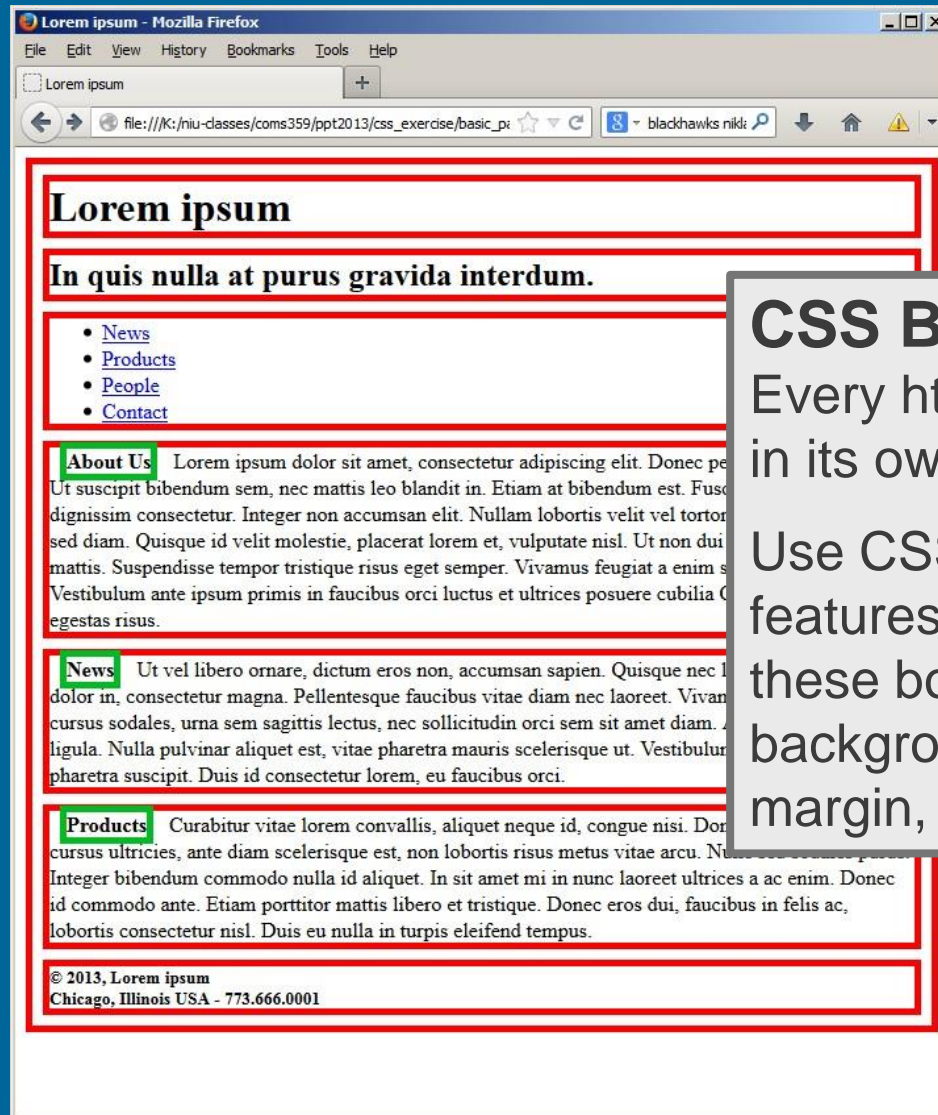


Apply consistent  
style to multiple  
pages

Save time; reduce  
code writing



# CSS Boxes

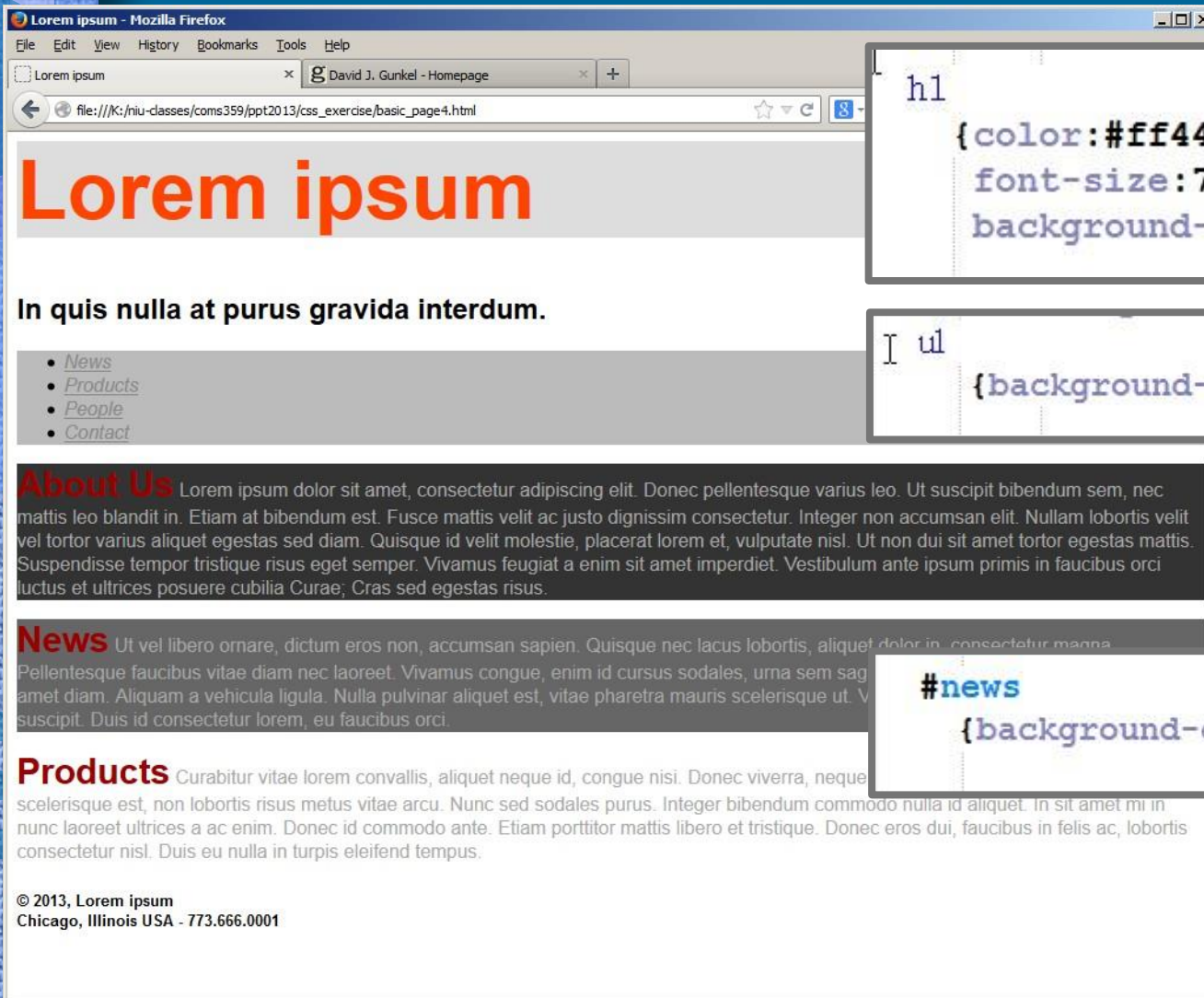


## CSS Box Model

Every html element resides in its own virtual box.

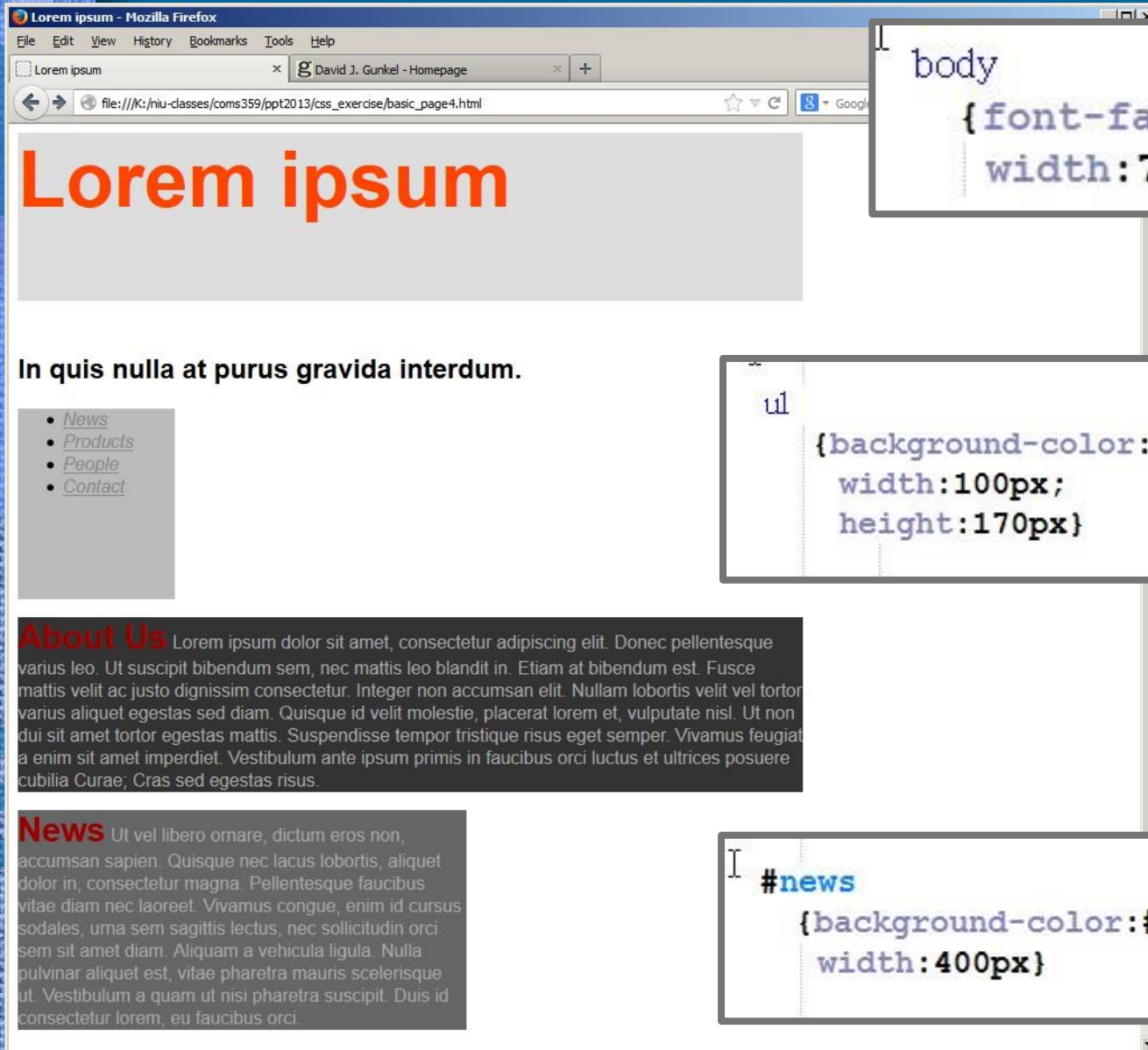
Use CSS to alter the features and appearance of these boxes: width, height, background color, border, margin, padding, etc.

# background-color

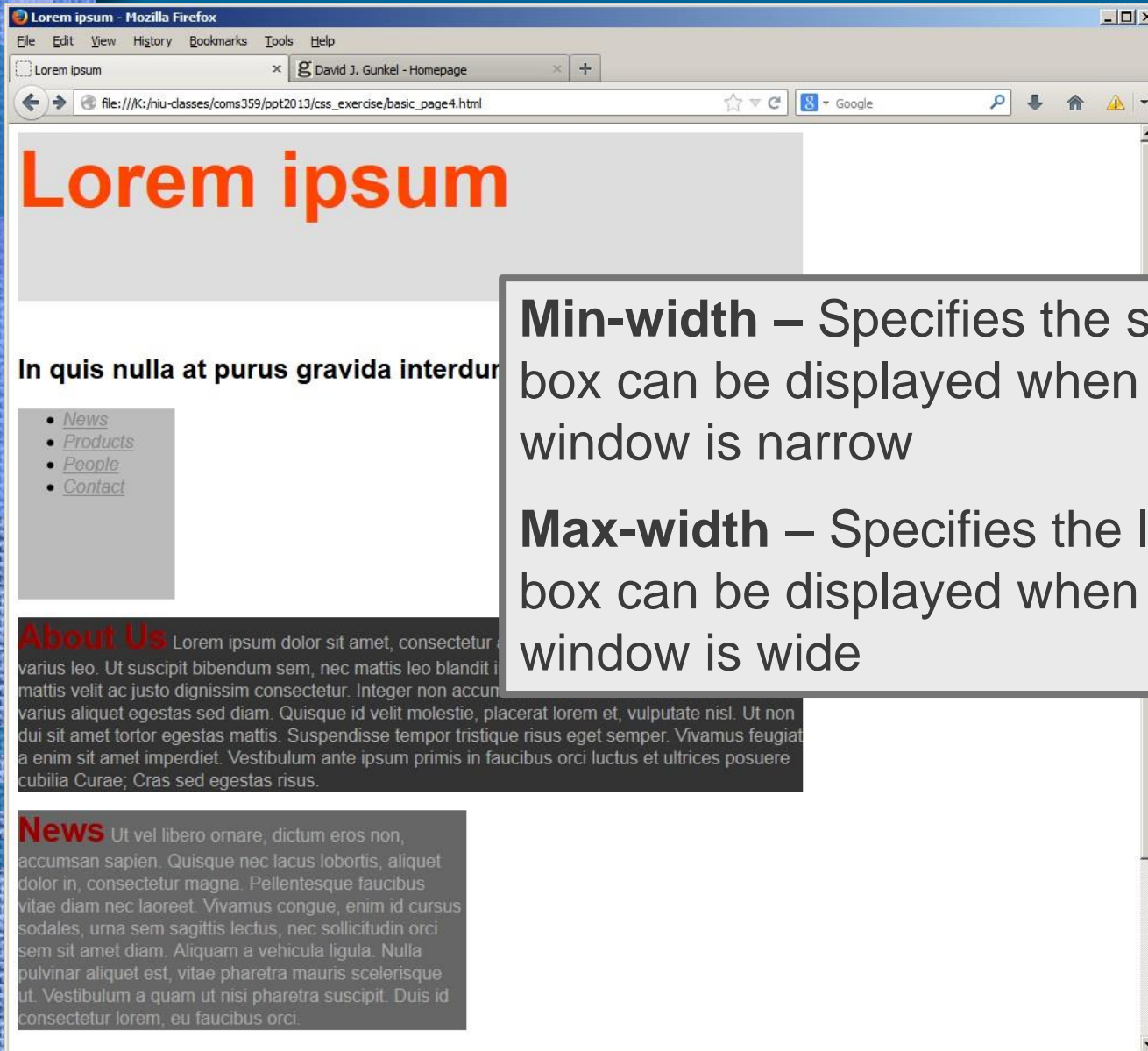




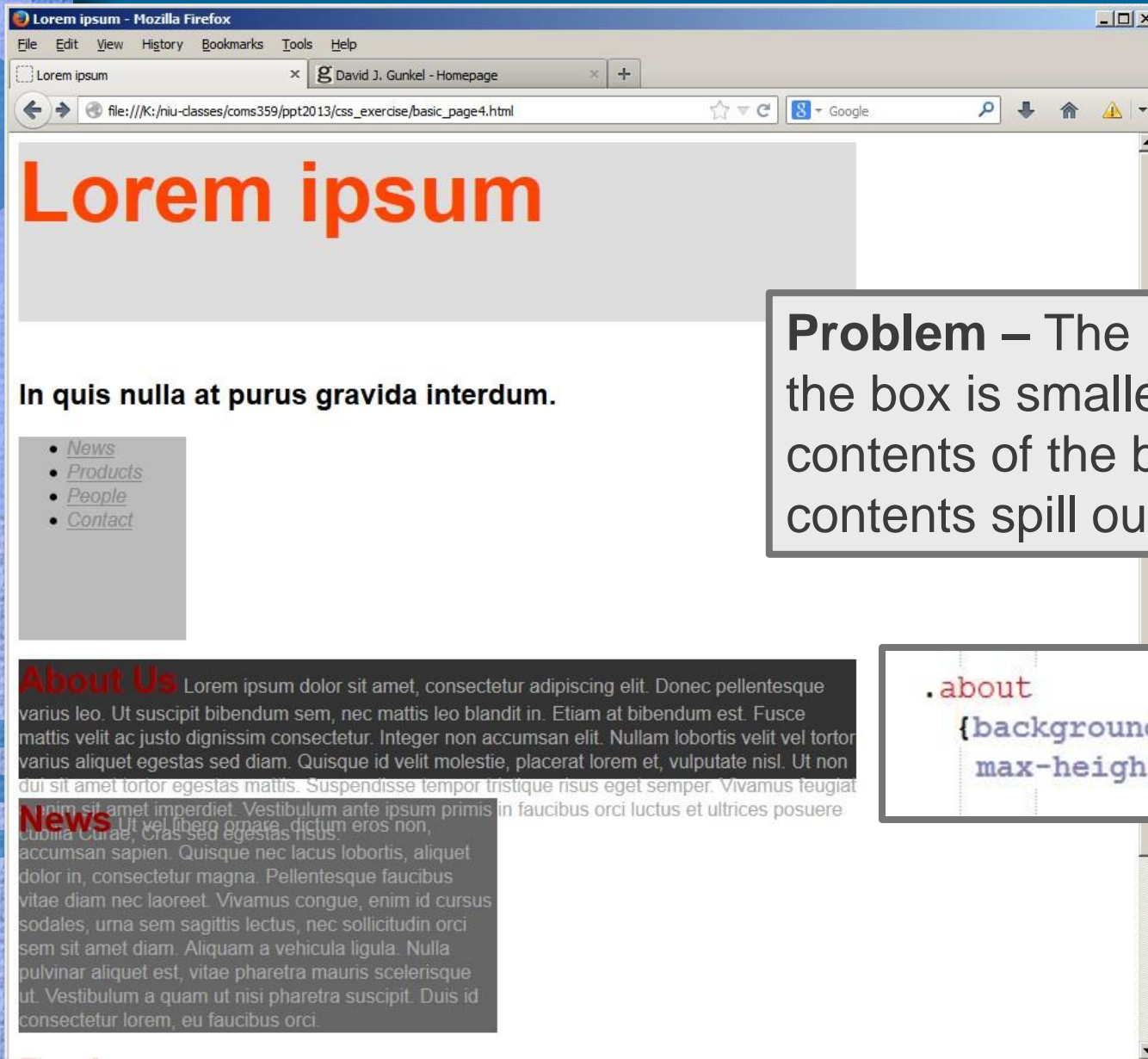
# width & height



# min-width & max-width



# min-height & max-height

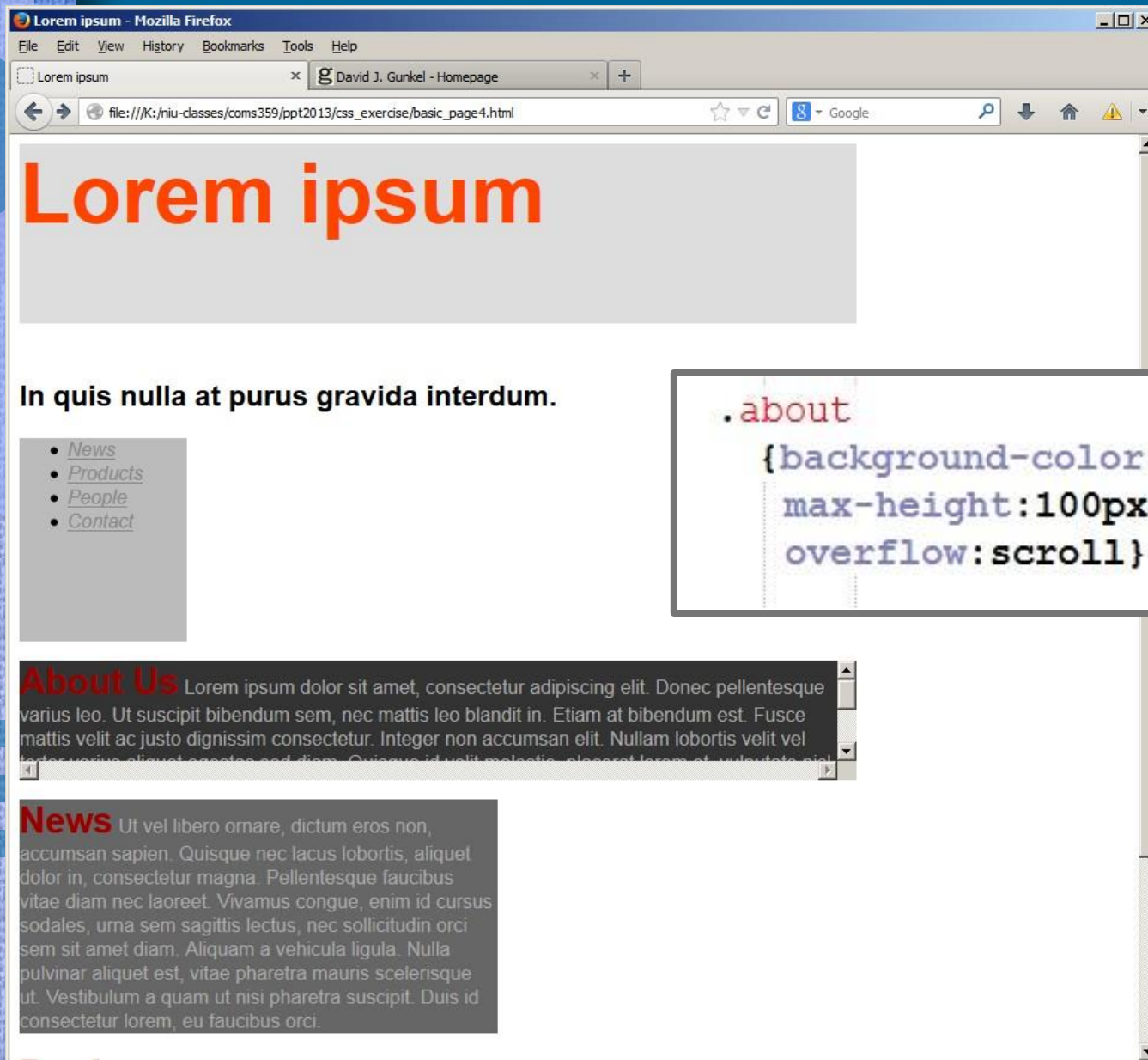




# Fix 1 - overflow:hidden



## Fix 2 - overflow:scroll



# Exercise – Modify your CSS document

```
1
2  body
3    {font-family:arial;
4      width:700px}
5  p
6    {color:#a9a9a9}
7
8  .about
9    {background-color:#333333;
10     max-height:100px;
11     max-width:500px;
12     overflow:scroll}
13  h1
14    {color:#ff4400;
15     font-size:70px;
16     background-color:#dddddd;
17     height:150px;
18     width:500px}
19  #news
20    {background-color:#666666;
21     width:600px;}
22  li > a
23    {color:#888888;
24     font-size:16px;
25     font-style:italic;}
26  ul
27    {background-color:#bbbbbb;
28     width:100px;
29     height:130px}
30  b
31    {color:#990000;
32     font-size:30px}
```





# Preview

- Continue with CSS
  - margin, border & padding
  - CSS layout

