

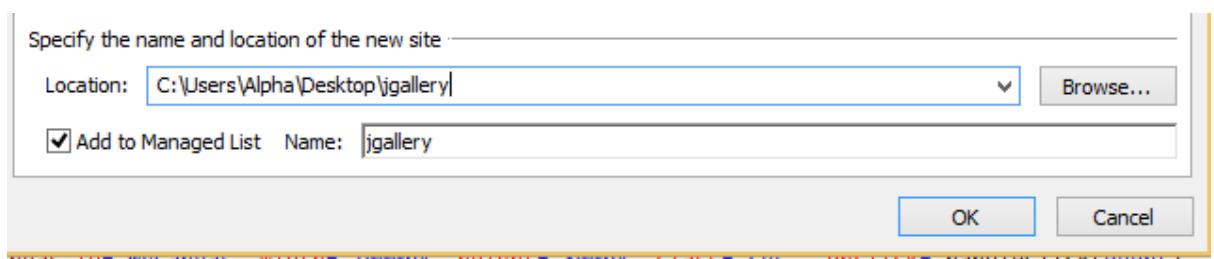
Tutorial 8.1

Activities

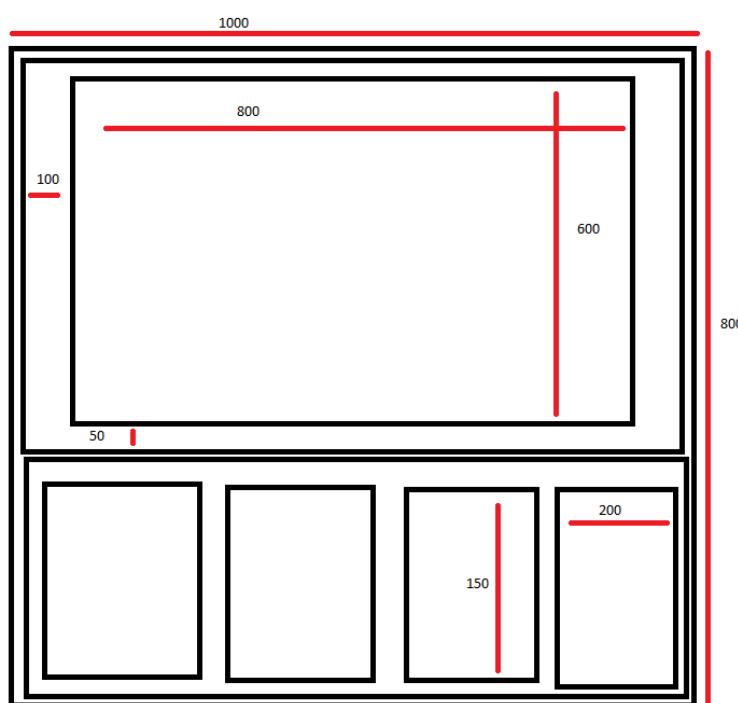
- Code
 - Editor: Expression Web
 - Focus : Base Layout, navigation with folders, external stylesheets, javascript

Javascript Image gallery

Start a new Site



-
- Rename to index.html and prep for html5
- Build the following structure



-
- Skeleton first

```

8 <body>
9   <div id="dPage">
10    <div id="dTop">
11      <div id="dShow"></div><!-- eo dShow -->
12    </div><!-- eo dTop -->
13    <div id="dBottom">
14      <div id="dThumb"></div><!-- eo dThumb -->
15      <div id="dThumb"></div><!-- eo dThumb -->
16      <div id="dThumb"></div><!-- eo dThumb -->
17      <div id="dThumb"></div><!-- eo dThumb -->
18    </div><!-- eo dBottom -->
19  </div><!-- eo dPage -->
20 </body>
21
22 </html>
23

```

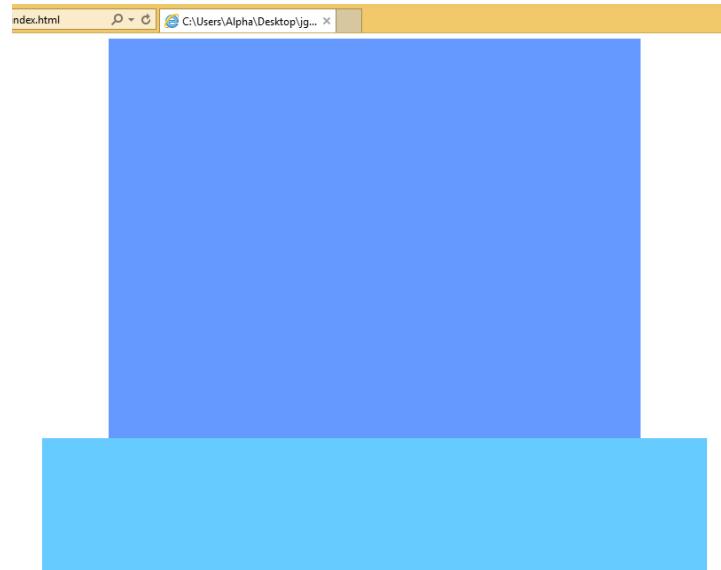
-
- Stylesheet
- Work from top to bottom
- Check on the way

```

5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
6   <style type="text/css">
7     #dPage {width:1000px; height:800px; margin:0 auto; background-color:lime;}
8     #dTop{width:1000px; height:600px; background-color:white;}
9     #dBottom{width:1000px; height:200px; background-color:#66CCFF;}
10    #dShow{width:800px; height:600px; margin:0 auto; background-color:#6699FF;}
11  </style>
12 </head>

```

- Produces



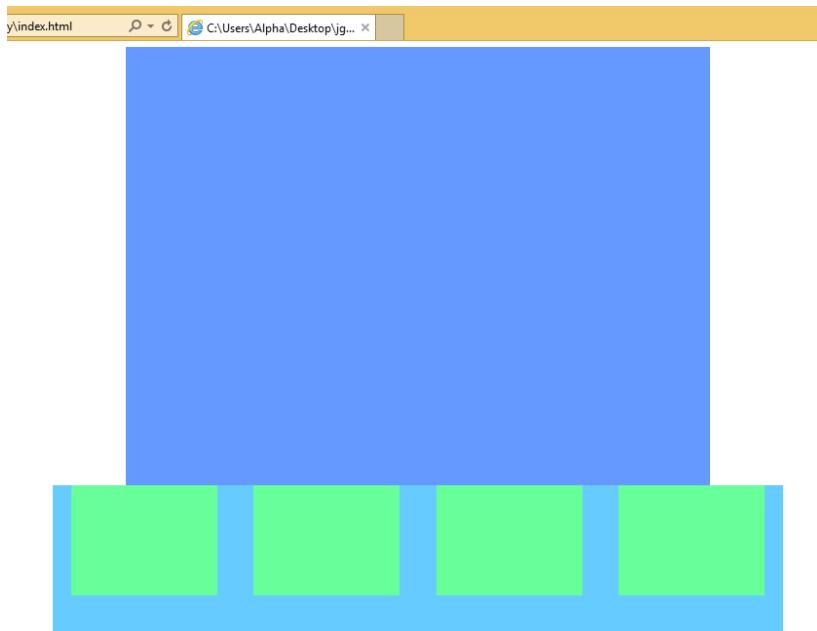
- Finish off the div boxes

```

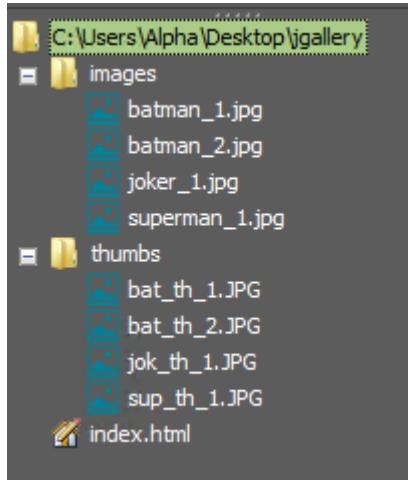
5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
6   <style type="text/css">
7     #dPage {width:1000px; height:800px; margin:0 auto; background-color:lime;}
8     #dTop{width:1000px; height:600px; background-color:white;}
9     #dBottom{width:1000px; height:200px; background-color:#66CCFF;}
10    #dShow{width:800px; height:600px; margin:0 auto; background-color:#6699FF;}
11    #dThumb{width:200px; height:150px; background-color:#66FF99; margin-left:25px; margin-right:25px; float:left;}
12  </style>

```

- Produces



- Now go grab 4 images of decent size from bing or google, create 2 sizes, one that is 800x600px and one that is 200x150px. Save them into the following folders



- Apply a background and tidy up the styles

```

<meta content="text/html; charset=UTF-8" http-equiv="Content-Type">
<style type="text/css">
    body { background-color:#666666; }
    #dPage {width:1000px; height:800px; margin:0 auto; background-color:white; }
    #dTop{width:1000px; height:600px; }
    #dBottom{width:1000px; height:200px; }
    #dShow{width:800px; height:600px; margin:0 auto; background-color:#6699FF; }
    #dThumb{width:200px; height:150px; background-color:#66FF99; margin-left:25px; margin-right:25px; float:left; }
</style>
</head>

```

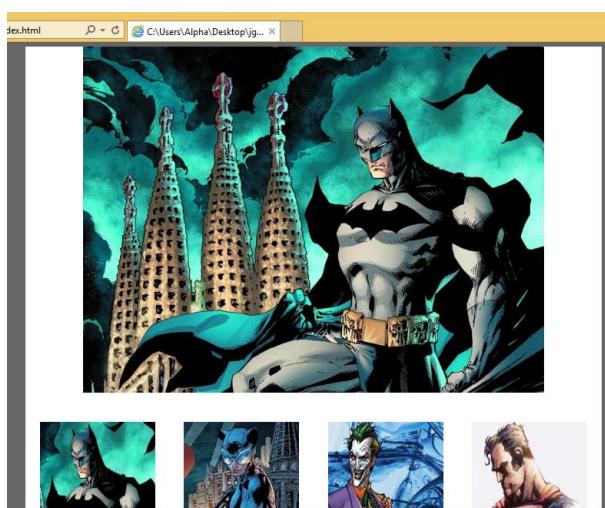
- Position all of the thumbnails and apply one image as the background for dShow

```

1 <!DOCTYPE html>
2 <html>
3
4 <head>
5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
6   <style type="text/css">
7     body { background-color:#666666; }
8     #dPage {width:1000px; height:800px; margin:0 auto; background-color:white; }
9     #dTop{width:1000px; height:600px; }
10    #dBottom{width:1000px; height:200px; }
11    #dShow{width:800px; height:600px; margin:0 auto; background-image:url('images/batman_1.jpg'));
12    #dThumb{width:200px; height:150px; margin-left:25px; margin-right:25px; float:left; margin-top:50px; }
13    .imgSize {width:200px; height:150px; }
14  </style>
15 </head>
16
17 <body>
18   <div id="dPage">
19     <div id="dTop">
20       <div id="dShow"></div><!-- eo dShow -->
21     </div><!-- eo dTop -->
22     <div id="dBottom">
23       <div id="dThumb"></div><!-- eo dThumb -->
24       <div id="dThumb"></div><!-- eo dThumb -->
25       <div id="dThumb"></div><!-- eo dThumb -->
26       <div id="dThumb"></div><!-- eo dThumb -->
27     </div><!-- eo dBottom -->
28   </div><!-- eo dPage -->
29 </body>
30
31 </html>
32

```

- Produces



- From here, we need to add the javascript to the thumb nails and then write the functions

```

22   <div id="dBottom">
23     <div id="dThumb"></div><!--
24 eo dThumb -->
25     <div id="dThumb"></div><!--
26 eo dThumb -->
27     <div id="dThumb"></div><!--
28 eo dThumb -->
29     <div id="dThumb"></div>
30 <!-- eo dThumb -->
31   </div><!-- eo dBottom -->
32   </div><!-- eo dPage -->

```

- Prep the javascript skeletons

```

14      </style>
15      <script type="text/javascript">
16          function showBat1()
17          {
18          }
19          function showBat2()
20          {
21          }
22          function showJoker()
23          {
24          }
25          function showSupes()
26          {
27          }
28
29
30      </script>
31 </head>

```

- From here, write the code for each function and test

```

function showSupes()
{
    document.getElementById("dShow").style.backgroundImage= "url('images/superman_1.jpg')";
}

<!--
<script type="text/javascript">
    function showBat1()
    {
        document.getElementById("dShow").style.backgroundImage= "url('images/batman_1.jpg')";
    }
    function showBat2()
    {
        document.getElementById("dShow").style.backgroundImage= "url('images/batman_2.jpg')";
    }
    function showJoker()
    {
        document.getElementById("dShow").style.backgroundImage= "url('images/joker_1.jpg')";
    }
    function showSupes()
    {
        document.getElementById("dShow").style.backgroundImage= "url('images/superman_1.jpg')";
    }

</script>

```

- Now there is no indication that the images are links, so on the dThumb, assign a css cursor type, for the end user.

```

12      #dThumb{width:200px; height:150px; margin-left:25px; margin-right:25px; float:left; margin-top:50px;

```

- So as easy as this is, we should be able to make this a singular function.

- So let's make a new one called swapImage()

```

function swapImage(imagename)
{
    document.getElementById("dShow").style.backgroundImage= "url('"+imagename+"')";
}


```

- Modify the html like this

```

44      </div><!-- eo dTop -->
45      <div id="dBottom">
46          <div id="dThumb"></div><!-- eo dThumb -->
48          <div id="dThumb"></div><!-- eo dThumb -->
50          <div id="dThumb"></div><!-- eo dThumb -->
52          <div id="dThumb"></div><!-- eo dThumb -->
54      </div><!-- eo dBottom -->
55  </div><!-- eo dPage -->
56 </body>

```

- Save and test.
- Jump back into the code and remove the extraneous javascript code
- You should just have

```

15      <script type="text/javascript">
16          function swapImage(imagename)
17          {
18              document.getElementById("dShow").style.backgroundImage= "url('"+imagename+"')";
19          }
20
21      </script>
22  <!-- -->

```

- Your entire page should be

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
5     <style type="text/css">
6         body { background-color:#666666; }
7         #dPage { width:1000px; height:800px; margin:0 auto; background-color:white; }
8         #dTop{width:1000px; height:200px; }
9         #dBottom{width:1000px; height:200px; }
10        #dShow{width:800px; height:600px; margin:0 auto; background-image:url('images/batman_1.jpg'); }
11        #dThumb{width:200px; height:150px; margin-left:25px; margin-right:25px; float:left; margin-top:50px; cursor:pointer; }
12        .imgSize {width:200px; height:150px; }
13     </style>
14     <script type="text/javascript">
15         function swapImage(imagename)
16         {
17             document.getElementById("dShow").style.backgroundImage= "url('"+imagename+"')";
18         }
19     </script>
20 </head>
21 <body>
22     <div id="dPage">
23         <div id="dTop">
24             <div id="dShow"></div><!-- eo dShow -->
25             </div><!-- eo dTop -->
26             <div id="dBottom">
27                 <div id="dThumb"></div><!-- eo dThumb -->
28                 <div id="dThumb"></div><!-- eo dThumb -->
29                 <div id="dThumb"></div><!-- eo dThumb -->
30                 <div id="dThumb"></div><!-- eo dThumb -->
31             </div><!-- eo dBottom -->
32         </div><!-- eo dPage -->
33     </body>
34 </html>

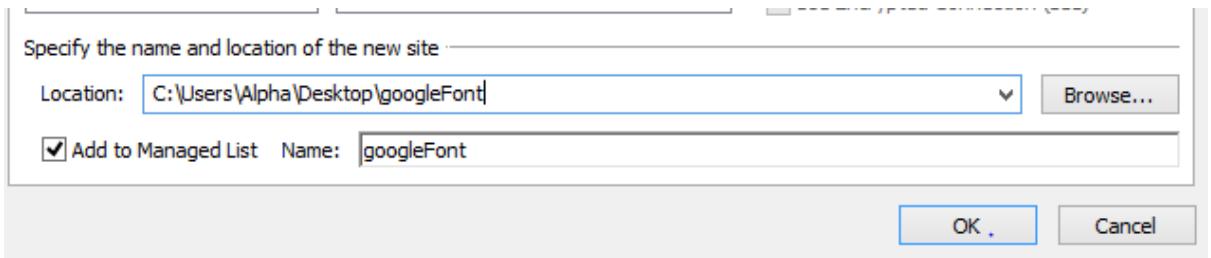
```

- As you can see javascript can create a simple javascript gallery quite easily.

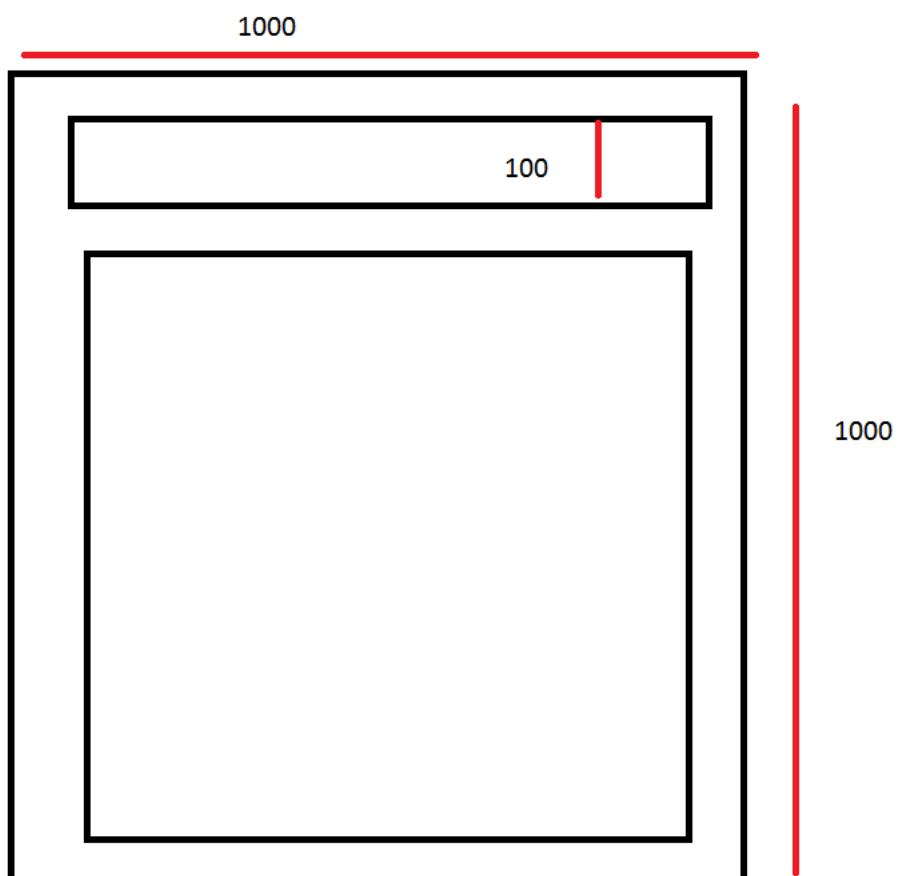
Google Fonts

So now we are going to put some google fonts into our page.

Start a new site



- Build the following design



-

```
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
6 </head>
7
8 <body>
9   <div id="dPage">
10     <div id="dHeader"></div><!-- eo dHeader -->
11     <div id="dContent"></div><!-- eo dContent -->
12   </div><!-- eo dPage -->
13 </body>
14
15 </html>
16
```

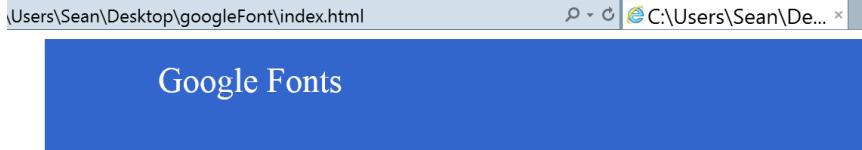
- Style it up and test it, then revert the content to white background with black text
And put some dummy text in the page, with a heading.

```

3
4 <head>
5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
6 <style type="text/css">
7   #dPage {width:1000px; height:1000px; background-color:lime; margin:0 auto;}
8   #dHeader{width:900px; height:80px; background-color:#3366CC; color:white; font-
  size:30px; padding:20px 0px 0px 100px;}
9   #dContent{ width:1000px; height:900px; background-color:white; font-size:18px;}
10 </style>
11 </head>
12 .
12 .
13 <body>
14   <div id="dPage">
15     <div id="dHeader">Google Fonts</div><!-- eo dHeader -->
16     <div id="dContent">
17       <br><h1>A Header goes here</h1>
18 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer blandit ac purus
  vitae gravida. In vitae tortor orci. Donec nec aliquam nunc. Praesent vitae lobortis
  risus. Quisque varius, risus vitae pulvinar rutrum, sem leo congue sapien, vitae
  egestas sapien nulla eget lacus. Duis faucibus vehicula eleifend. Suspendisse at
  sapien ut nisl consectetur pulvinar vel in risus. Integer eget euismod nisi, vel
  vestibulum est. Mauris eu est eu lectus sollicitudin rutrum quis at neque. Morbi ac
  urna quam. Pellentesque eleifend aliquet venenatis. Donec purus mauris, convallis quis
  elementum in, viverra quis dui.
19   </div><!-- eo dContent -->
20   </div><!-- eo dPage -->
21 </body>
22

```

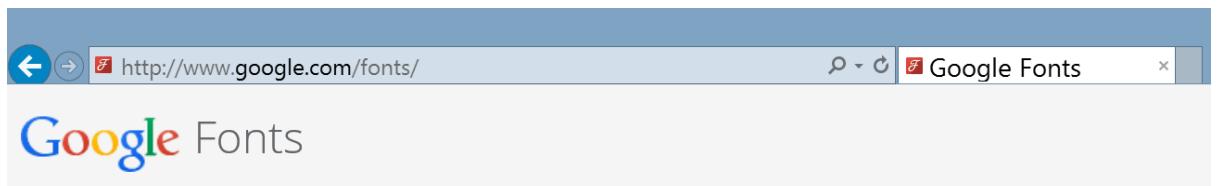
- Produces



A Header goes here

Placeholder text (Lorem ipsum) follows, demonstrating the styling applied to the page.

- Head off to google to search for the google fonts



- Select a font that you like, I'm going to be looking at audiowide

Normal 400

Grumpy wizards make toxic brew for the evil Queen and Jack.

Audiowide, 1 Style by [Astigmatic](#)



Add to Collection

-
- To use quickly select this icon



-
- Scroll down the page and grab the code

Standard | @import | Javascript

3. Add this code to your website:

```
<link href='http://fonts.googleapis.com/css?family=Audiowide' rel='stylesheet' type='text/css'>
```

-
- Copy and paste it into your code

```
4 <head>
5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
6 <style type="text/css">
7   #dPage {width:1000px; height:1000px; background-color:lime; margin:0 auto;}
8   #dHeader{width:900px; height:80px; background-color:#3366CC; color:white; font-
  size:30px; padding:20px 0px 0px 100px;}
9   #dContent{ width:1000px; height:900px; background-color:white; font-size:18px;}
10 </style>
11 <link href='http://fonts.googleapis.com/css?family=Audiowide' rel='stylesheet'
  type='text/css'>
12 </head>
13
```

- From here apply it to a class or style, in this case I'll put it on dContent

```
4 <head>
5 <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
6 <style type="text/css">
7   #dPage {width:1000px; height:1000px; background-color:lime; margin:0 auto;}
8   #dHeader{width:900px; height:80px; background-color:#3366CC; color:white; font-
  size:30px; padding:20px 0px 0px 100px;}
9   #dContent{ width:1000px; height:900px; background-color:white; font-size:18px;
  font-family: 'Audiowide', cursive;}
10 </style>
11 <link href='http://fonts.googleapis.com/css?family=Audiowide' rel='stylesheet'
  type='text/css'>
12 </head>
13
```

- Save and test

Google Fonts

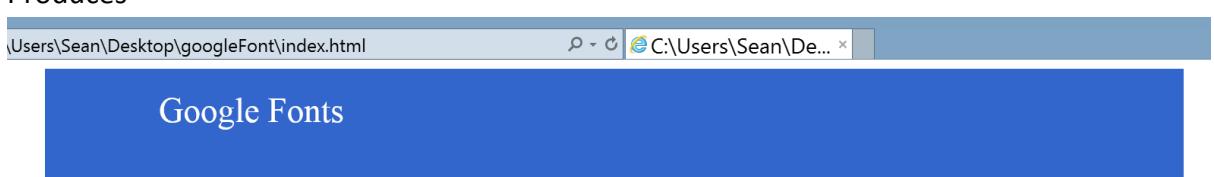
A Header goes here

Donec nec aliquam nunc. Praesent vitae lobortis risus. Quisque varius, risus vitae pulvinar rutrum, sem leo congue sapien, vitae egestas sapien nulla eget lacus. Duis Faucibus vehicula eleifend. Suspendisse at sapien ut nisl consectetur pulvinar vel in risus. Integer eget euismod nisi, vel vestibulum est. Mauris eu est eu lectus sollicitudin rutrum quis at neque. Morbi ac urna quam. Pellentesque eleifend aliquet venenatis. Donec purus mauris, convallis quis elementum in, viverra quis dui.

- **quis dui.**
 - Now it has changed all of my fonts in the dContent which is good, but I want to make my header different, so I will get another google font and repeat the above steps

```
10  h1{  
11    font-family: 'Seymour One', sans-serif; }  
12 }  
13 </style>  
14 <link href='http://fonts.googleapis.com/css?family=audiowide' rel='stylesheet'  
type='text/css'>  
15 <link href='http://fonts.googleapis.com/css?family=Seymour+One' rel='stylesheet'  
type='text/css'>  
16 </head>
```

- 16 </head>



A Header goes here

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer blandit ac purus vitae gravida. In vitae tortor orci. Donec nec aliquam nunc. Praesent vitae lobortis risus. Quisque varius, risus vitae pulvinar rutrum, sem leo congue sapien, vitae egestas sapien nulla eget lacus. Duis Faucibus vehicula eleifend. Suspendisse at sapien ut nisl consectetur pulvinar vel in risus. Integer eget euismod nisi, vel vestibulum est. Mauris eu est eu lectus sollicitudin rutrum quis at neque. Morbi ac urna quam. Pellentesque eleifend aliquet venenatis. Donec purus mauris, convallis quis elementum in, viverra quis dui.

- Just remember, if your system doesn't have internet connection then the google font will fail.