



Web Development

Lab Work Week 5



Lab Work week 5

- Please complete all 5 parts detailed below.
- Add all work to a folder named Week5LabWork and compress this folder for submission to WebCourses.

Page Structure

A screenshot of a code editor window titled 'index.html'. The editor shows the following HTML code:

```
1 <html>
2   <head>
3     <title>Example
4   </title>
5   <link rel="stylesheet" type="text/css" href="Assets/CSS/site.css">
6   </head>
7
8   <body>
9
10  </body>
11
12 </html>
```

The code is formatted with indentation. The first line is highlighted in yellow. The editor has tabs for 'index.html' and 'site.css'.

- For this lab example we are not using the `<!DOCTYPE html>`
- If this is added it will collapse the height structure of the page.
- We will cover the Doctypes and the height issues in next weeks lecture!!

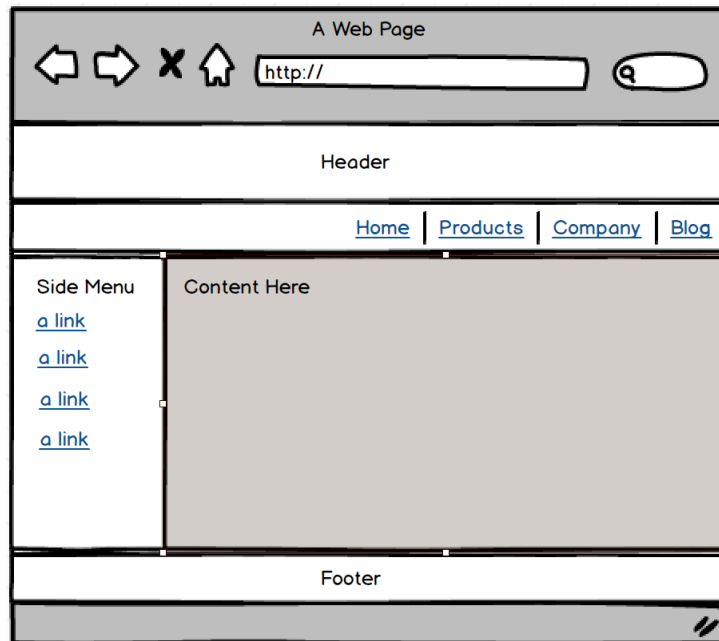
Part 1

↗ Recreate the following Example 1.

↗ Instructions:

- ↗ Create a project folder named LayoutExample1
- ↗ Store all files for example 1 in this folder

Example 1



```

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--
<body>
  <div id="main">
    <header>Header</header>

    <section id="content">
      <section id="subContainer">
        <section id="leftMenu">
          <h3>Menu</h3>
        </section><section id="rightContent">
          <h3>Home Page</h3>
        </section>
      </section>

    </section>

    <footer>Footer</footer>
  </div>
</body>

```

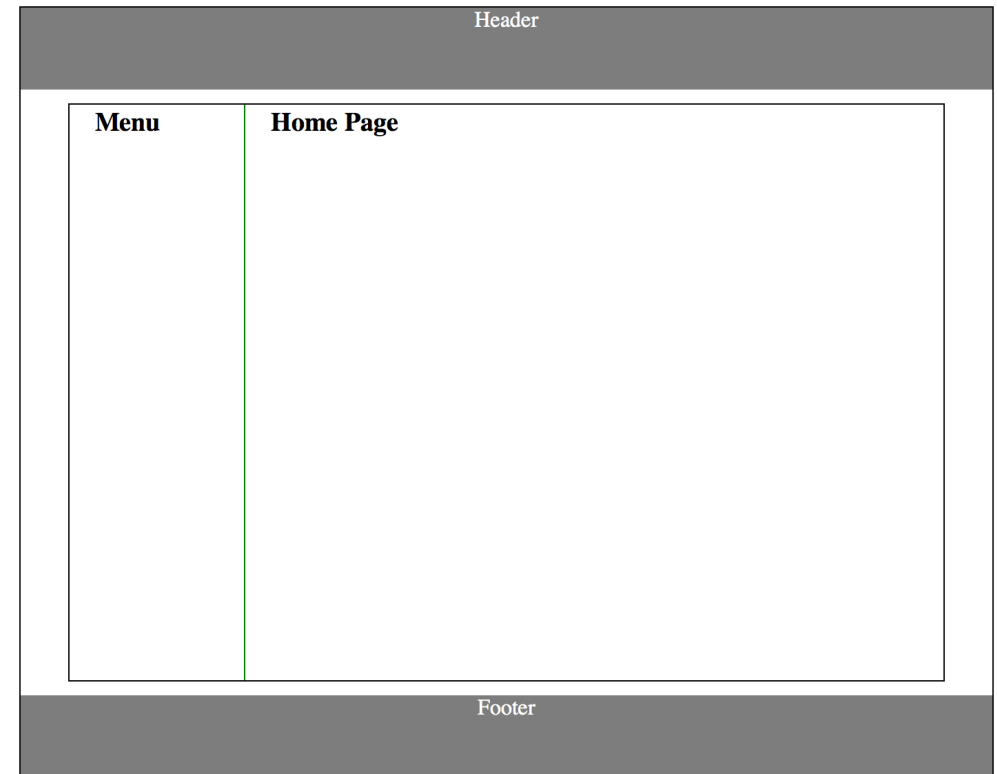
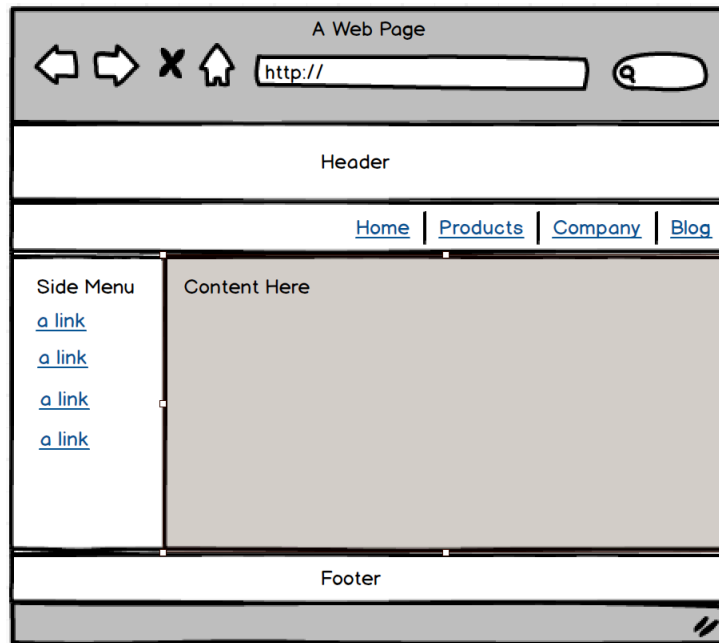
Example 1

```

1  body {
2      background-color: white;
3  }
4
5  #main {
6      background-color: white;
7      width: 70%;
8      margin: auto;
9      border: 1px black solid;
10 }
11
12 header, footer {
13     background-color: grey;
14     height: 10%;
15     text-align: center;
16     color: white;
17 }
18
19 #content {
20     position: relative;
21     min-height: 70%;
22 }
23
24 #subContainer {
25     width: 90%;
26     height: 70%;
27     margin: auto;
28     margin-top: 10px;
29     margin-bottom: 10px;
30     border: 1px black solid;
31 }
32
33 #leftMenu {
34     display: inline-block;
35     width: 20%;
36     height: 100%;
37     border-right: 1px green solid;
38     margin: 0px;
39 }
40
41 #main h3 {
42     margin: 1em;
43     margin-top: 2px;
44 }
45
46 #rightContent {
47     vertical-align: top;
48     display: inline-block;
49     border-right: 0px black solid;
50     width: 60%;
51     height: 90%;
52     margin: 0px;
53 }
54

```

Example 1



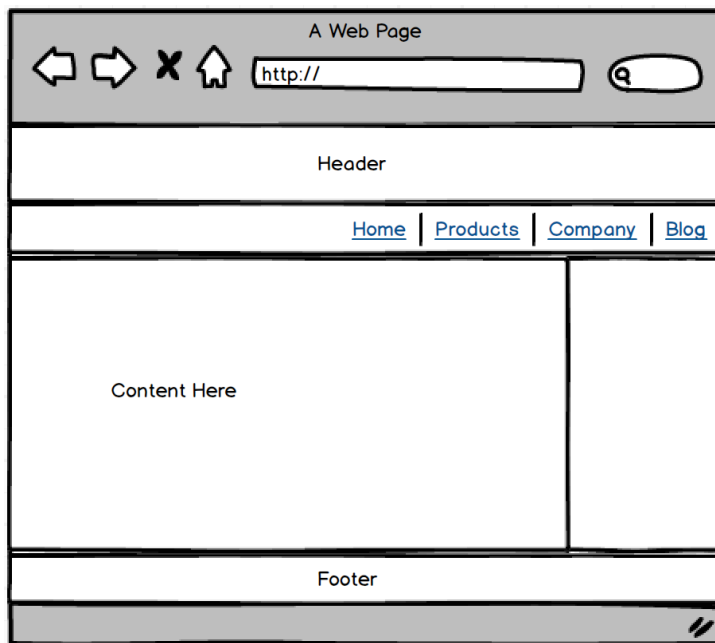
Part 2

↗ Recreate the following Example 2.

↗ Instructions:

- ↗ Create a project folder named LayoutExample2
- ↗ Store all files for example 2 in this folder

Example 2



8
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```
<body>
  <div id="main">
    <header>Header</header>

    <section id="content">

      <section id="subContainer">
        <section id="leftContent">
          <h3>Home Page</h3>
        </section><section id="rightMenu">
          <h3>Menu Right</h3>
        </section>
      </section>
    </section>

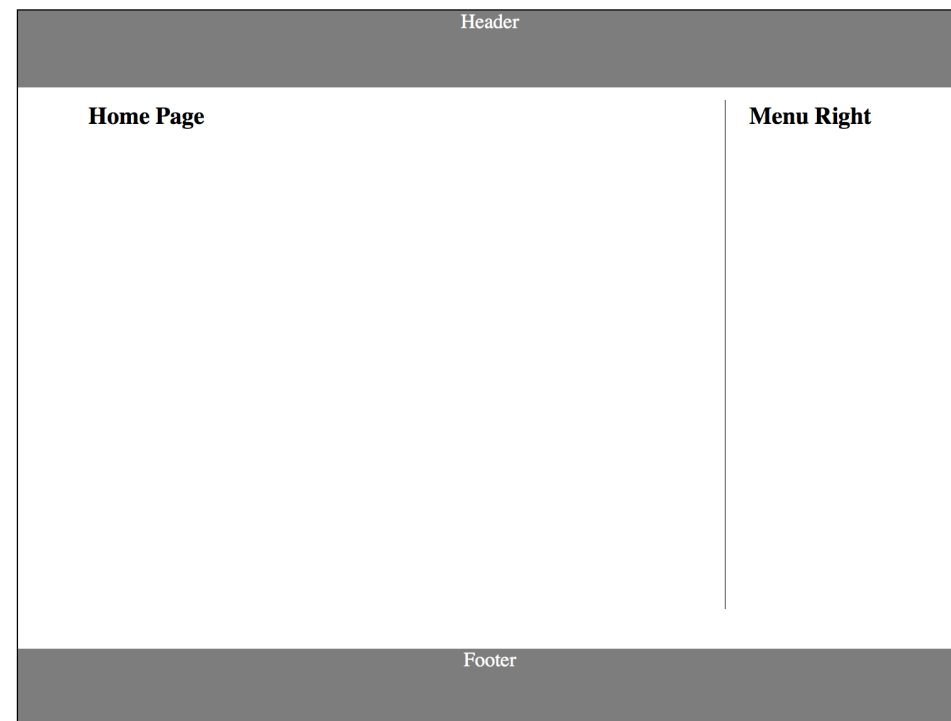
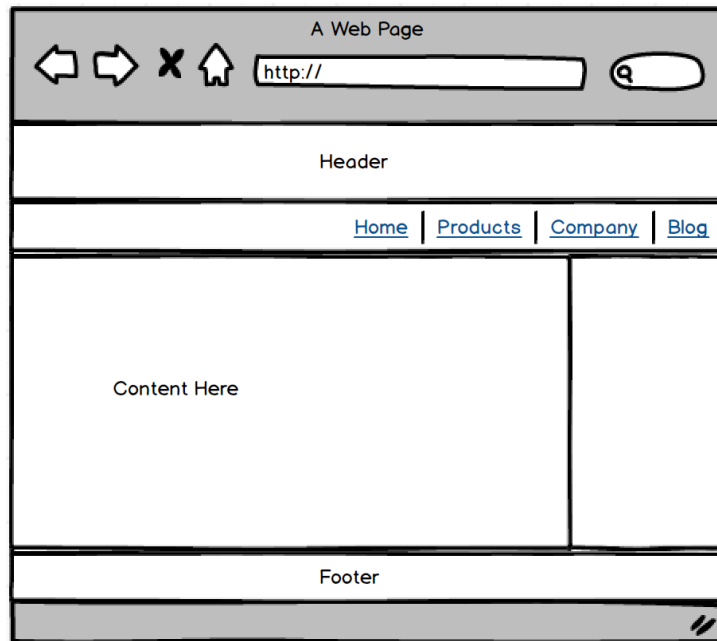
    <footer>Footer</footer>
  </div>
</body>
```

Example 2

```
1  body {
2      background-color: white;
3  }
4
5  #main {
6      background-color: white;
7      width: 70%;
8      margin: auto;
9      border: 1px black solid;
10 }
11
12 header, footer {
13     background-color: grey;
14     height: 10%;
15     text-align: center;
16     color: white;
17 }
18
19 #content {
20     position: relative;
21     min-height: 70%;
22 }
23
24 #subContainer {
25     width: 90%;
26     height: 70%;
27     margin: auto;
28     margin-top: 10px;
29     margin-bottom: 10px;
30     border: 0px black solid;
31 }
32
```

```
33 #rightMenu {
34     float: left;
35     position: absolute;
36     right: 0px;
37     width: 25%;
38     height: 95%;
39     border-left: 1px grey solid;
40     margin: 0px;
41 }
42
43 #main h3 {
44     margin: 1em;
45     margin-top: 2px;
46 }
47
48
49 #leftContent {
50     vertical-align: top;
51     float: left;
52     width: 75%;
53     height: 95%;
54     margin: 0px;
55 }
56
```

Example 2



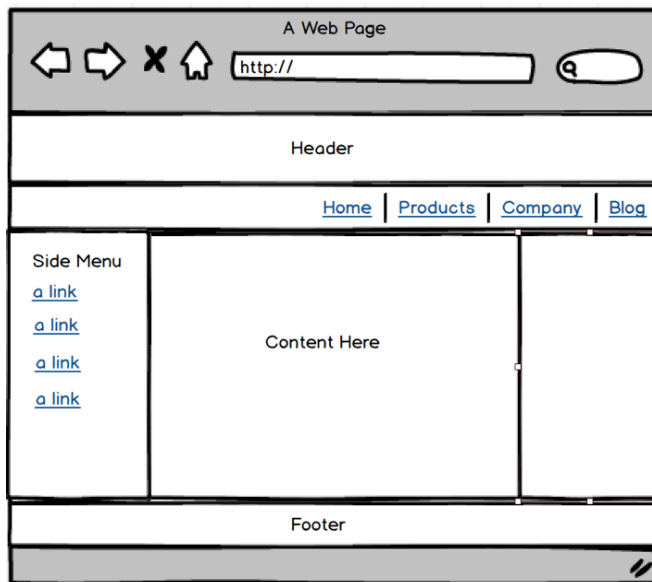
Part 3

↗ Recreate the following Example 3.

↗ Instructions:

- ↗ Create a project folder named LayoutExample3
- ↗ Store all files for example 3 in this folder

Example 3



Note: there is no space between the closing section tag and the next opening section tag. If there is a space the browser will interpret this as spacing and the containers will not fit correctly. This happens when using the inline-block

```

8  <body>
9      <div id="main">
10         <header>Header</header>
11
12         <section id="content">
13
14             <section id="subContainer">
15                 <section id="leftMenu">
16                     <h3>Menu Left</h3>
17                 </section><section id="centerArea">
18                     <h3>Home Page</h3>
19                 </section><section id="rightMenu">
20                     <h3>Menu Right</h3>
21                 </section>
22             </section>
23
24         </section>
25
26         <footer>Footer</footer>
27     </div>
28 </body>

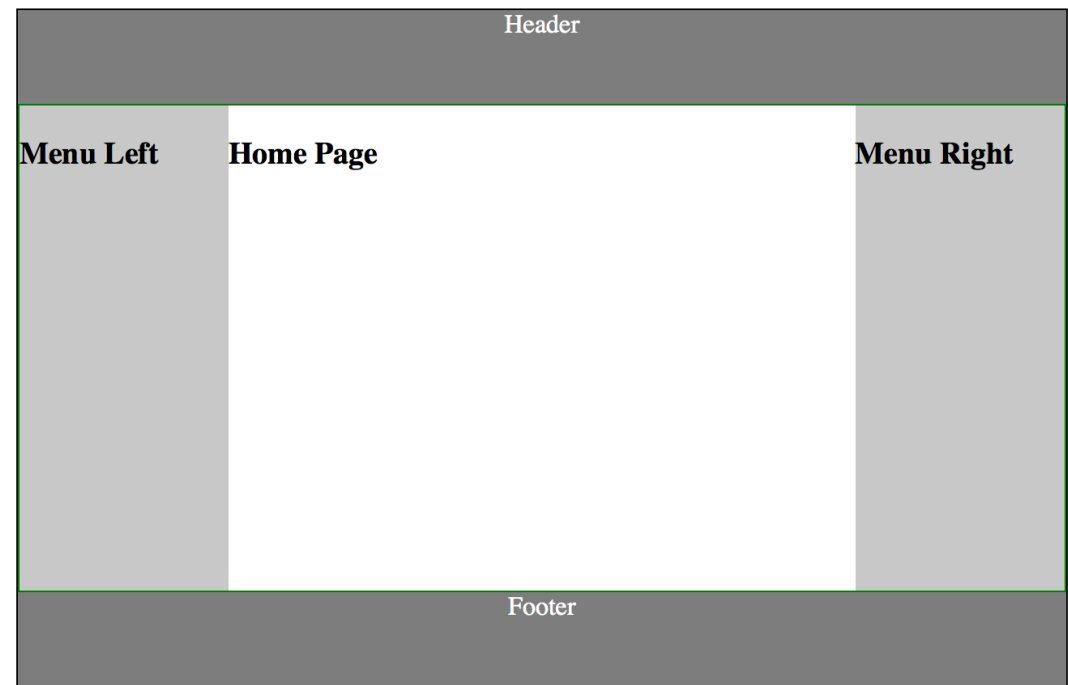
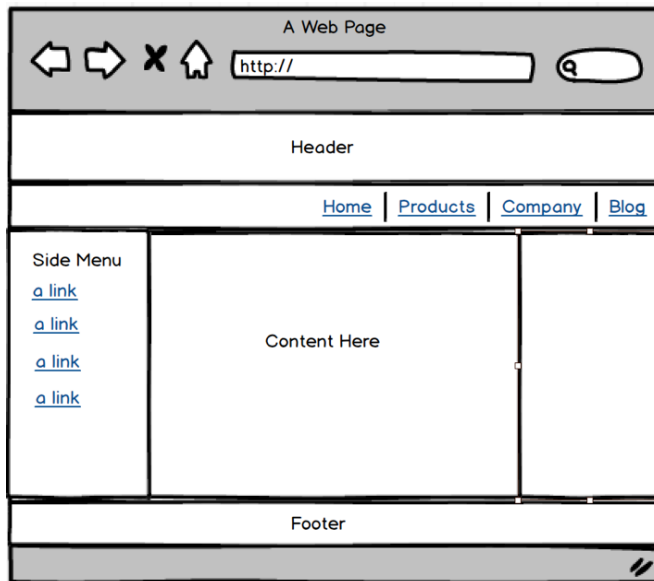
```

Example 3

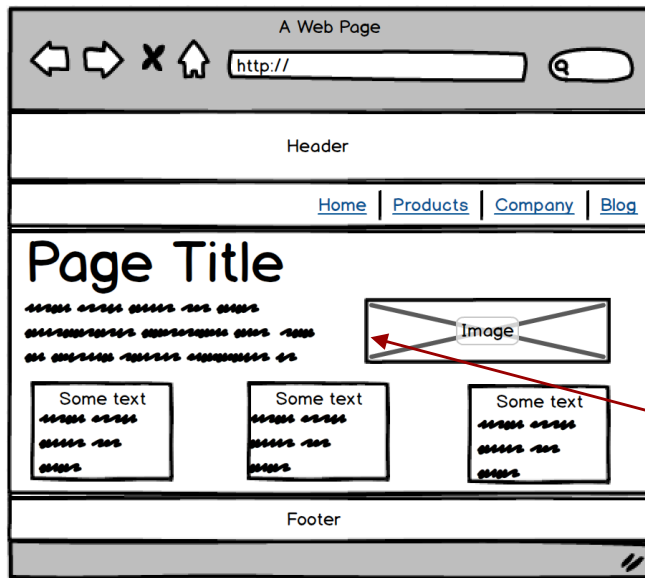
```
1  body {
2      background-color: white;
3  }
4
5  #main {
6      background-color: white;
7      width: 70%;
8      margin: auto;
9      border: 1px black solid;
10 }
11
12 header, footer {
13     background-color: grey;
14     height: 10%;
15     text-align: center;
16     color: white;
17 }
18
19 #subContainer {
20     border: 1px green solid;
21 }
22
```

```
23 #leftMenu {
24     display: inline-block;
25     width: 20%;
26     min-height: 300px;
27     background-color: #cccccc;
28 }
29
30 #centerArea {
31     display: inline-block;
32     width: 60%;
33     min-height: 300px;
34 }
35
36 #rightMenu {
37     display: inline-block;
38     width: 20%;
39     min-height: 300px;
40     background-color: #cccccc;
41 }
```

Example 3



Part 4 – Create a template



➤ Using the Article and Aside tags, create a webpage with the structure and layout shown. Add some images and CSS styling to complete the page.

➤ *Hint: use the article and aside for the paragraph and the image.*

Part 5

- ↗ Please update your blog to give a detailed description of what you did for lab work week 4.

Marking Scheme

	80-100%	70-79%	60-69%	50-59%	40-49%	0-39%
Part 1, 2,3 (20% * 3)	Site created. Good variety of tags and CSS used. Displays exactly as specified in the lab document.	Site created. Good variety of tags and CSS used. Displays nearly the same as specified in the lab document.	Site created. Good variety of tags and CSS used. Displays somewhat like to page specified in the lab document.	Site created. OK variety of tags and CSS used. Displays exactly as specified in the lab document. Content missing or not displaying correctly.	Basic site with minimal content and only demonstrating some basic tags.	Site created. <u>Minimal attempt</u> with some content and some basic tags used. And/or some fiddles embedded on site
Part 5 (10%)	Very detailed description of Lab 4 with additional content	detailed description of Lab 4	basic description of Lab 4	minimal description of Lab 4	Some content added to blog, off topic and unrelated to lab work.	No Attempt 0%
Part 4 (30%)	Site created. Good variety of tags and CSS used. Displays exactly as specified in the lab document. Extra images and CSS styling added to enhance page.	Site created. Good variety of tags and CSS used. Displays nearly the same as specified in the lab document. Extra images and CSS styling added to enhance page.	Site created. Good variety of tags and CSS used. Displays somewhat like to page specified in the lab document.	Site created. OK variety of tags and CSS used. Displays exactly as specified in the lab document. Content missing or not displaying correctly.	Basic site with minimal content and only demonstrating some basic tags.	Site created. <u>Minimal attempt</u> with some content and some basic tags used. And/or some fiddles embedded on site