

Responsive Web Design Example

Web Technologies



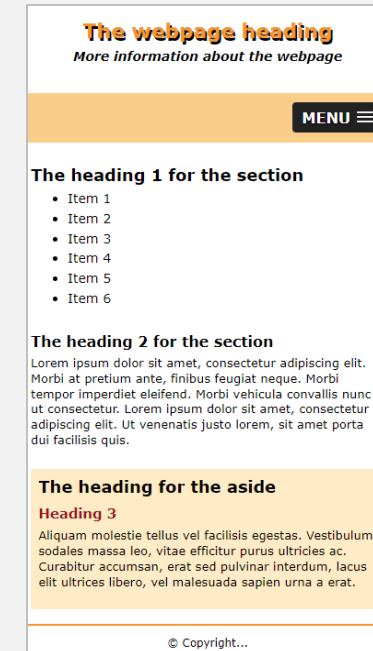
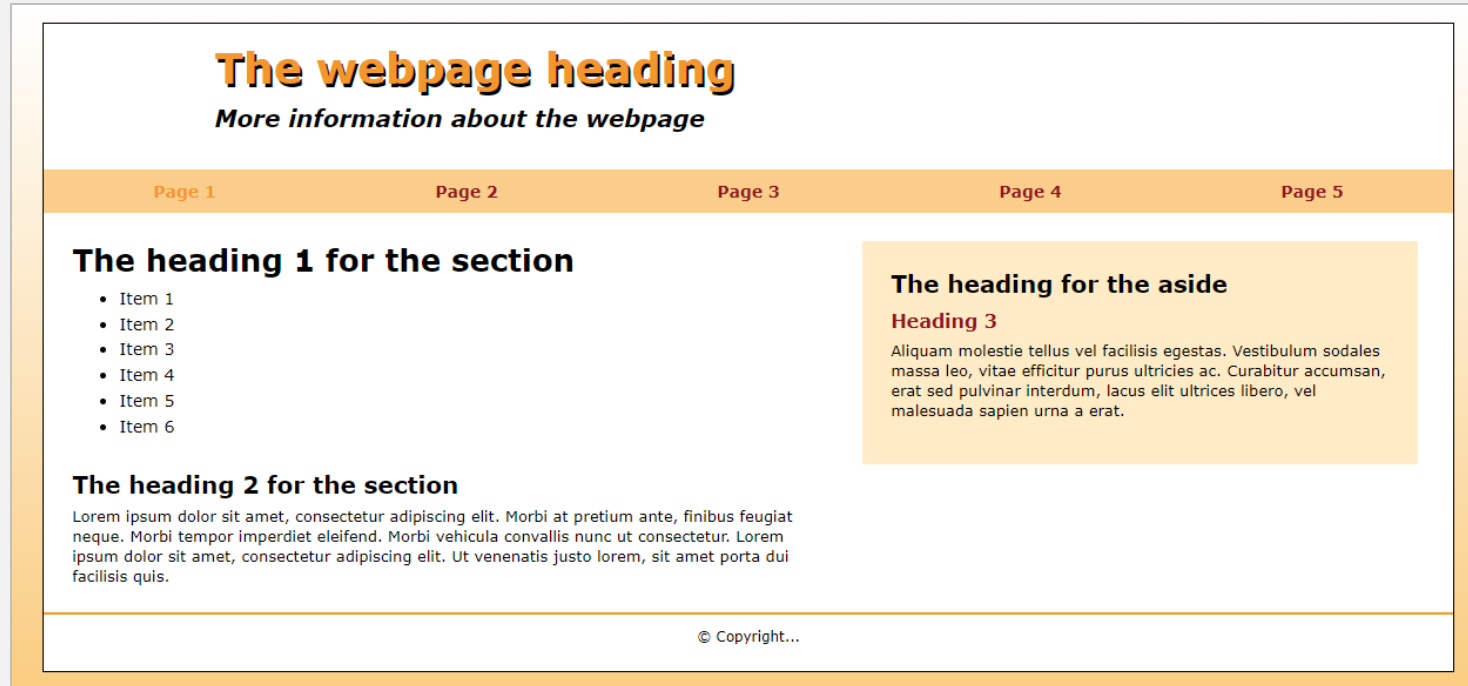
Lecture by
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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: ■blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```


What we will cover

- **A Responsive Web Design webpage**
 - The HTML code
 - The CSS code

The Responsive Web Design Webpage



Inside the <head>

```
<head>
  <title>Page title</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="styles/main.css">
  <link rel="stylesheet" href="styles/slicknav.css">
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <script src="js/jquery.slicknav.min.js"></script>
  <script type="text/javascript">
    $(document).ready(function(){
      $('#nav_menu').slicknav({prependTo:"#mobile_menu"});
    });
  </script>
</head>
```

Inside the <body>

```
<body>
  <header>...
</header>
  <nav id="mobile_menu"></nav>
  <nav id="nav_menu">...
</nav>
  <main>
    <section>...
  </section>
    <aside>...
  </aside>
</main>
  <footer>...
</footer>
</body>
```

The webpage heading

More information about the webpage

Page 1

Page 2

Page 3

Page 4

Page 5

The heading 1 for the section

- Item 1
- Item 2
- Item 3
- Item 4
- Item 5
- Item 6

The heading 2 for the section

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi at pretium ante, finibus feugiat neque. Morbi tempor imperdiet eleifend. Morbi vehicula convallis nunc ut consectetur. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut venenatis justo lorem, sit amet porta dui facilisis quis.

The heading for the aside

Heading 3

Aliquam molestie tellus vel facilisis egestas. Vestibulum sodales massa leo, vitae efficitur purus ultricies ac. Curabitur accumsan, erat sed pulvinar interdum, lacus elit ultrices libero, vel malesuada sapien urna a erat.

© Copyright...

The Navigation Menu

```
<nav id="nav_menu">
  <ul>
    <li><a class="current" href="#">Page 1</a></li>
    <li><a href="#">Page 2</a>
      <ul>
        <li><a href="#">Page 2-1</a></li>
        <li><a href="#">Page 2-2</a></li>
        <li><a href="#">Page 2-3</a></li>
        <li><a href="#">Page 2-4</a></li>
      </ul>
    </li>
    <li><a href="#">Page 3</a></li>
    <li><a href="#">Page 4</a></li>
    <li><a href="#">Page 5</a></li>
  </ul>
</nav>
```

The <section>

```
<section>
  <h1>The heading 1 for the section</h1>
  <nav>
    <ul>
      <li>Item 1</li>
      <li>Item 2</li>
      <li>Item 3</li>
      <li>Item 4</li>
      <li>Item 5</li>
      <li>Item 6</li>
    </ul>
  </nav>
  <h2>The heading 2 for the section</h2>
  <p>
    Lorem ipsum dolor sit amet, consectetur....
  </p>
</section>
```

Page 1	Page 2	Page 3
The heading 1 for the section <ul style="list-style-type: none">• Item 1• Item 2• Item 3• Item 4• Item 5• Item 6		
The heading 2 for the section <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi at pretium ante, finibus feugiat neque. Morbi tempor imperdiet eleifend. Morbi vehicula convallis nunc ut consectetur. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut venenatis justo lorem, sit amet porta dui facilisis quis.</p>		
© Copyright...		

The <aside>

```
<aside>
  <h2>The heading for the aside</h2>
  <h3>Heading 3</h3>
  <p>Aliquam molestie tellus vel facilisis...
</aside>
```

Page 4

Page 5

The heading for the aside

Heading 3

Aliquam molestie tellus vel facilisis egestas. Vestibulum sodales massa leo, vitae efficitur purus ultricies ac. Curabitur accumsan, erat sed pulvinar interdum, lacus elit ultrices libero, vel malesuada sapien urna a erat.

The CSS Code 1

```
body {  
    font-size: 100%;  
    font-family: Verdana, Arial, Helvetica, sans-serif;  
    width: 100%; margin: 0;  
    padding: 15px 0;}  
section, aside, h1, h2, h3, p { margin: 0; padding: 0; }  
p {  
    font-size: .8125em; padding-bottom: .5em; line-height: 130%;}
```

The CSS Code 2

```
header {  
  width: 100%; padding-bottom: 2em;  
  text-align: center;}
```

```
header h2 {  
  font-size: 1.125em; color: #f2972e; text-shadow: 2px 3px 0 black;  
  margin-bottom: .25em;}
```

```
header h3 {  
  font-size: .75em;  
  font-style: italic; margin-left: 0;}
```

The webpage heading
More information about the webpage

The CSS Code 3

```
#mobile_menu {  
  display: block;}
```

```
#nav_menu {  
  display: none;}
```

The CSS Code 4

```
section {  
    width: 96%; margin: 0 2.0202% 1em 2.0202%;  
    padding: 1.5em 0 0 0;}  
section ul { margin-top: 0; margin-bottom: 1.5em;}  
section li { font-size: .875em; padding-bottom: .35em;}  
section h1 { font-size: 1.125em; margin-bottom: .35em;}  
section h2 { font-size: 1em; margin-bottom: .35em;}
```

The CSS Code 5

```
aside {  
    width: 92%; padding: 2.0202%;  
    background-color: #ffebc6; margin: 0 2.0202% 1em 2.0202%;}  
aside h2 { font-size: 1.125em; padding-bottom: .5em;}  
aside h3 { font-size: .9375em; color: #931420;  
    padding-bottom: .5em;}  
aside p { margin-bottom: .5em;}
```

The CSS Code 6

```
footer {  
    width: 100%;  
    border-top: 2px solid #f2972e;  
    padding-top: .7em;  
}  
footer p {  
    font-size: .6875em;  
    text-align: center;  
}
```

The Media Queries

@media only screen and (min-width: 383px) {...}

@media only screen and (min-width: 481px) {...}

@media only screen and (min-width: 772px) {...}

@media only screen and (min-width: 887px) {...}

@media only screen and (min-width: 1007px) {...}

The Media Query For A Desktop 1

```
@media only screen and (min-width: 772px) {  
  body {  
    width: 96%; background-color: white; margin: 15px auto;  
    border: 1px solid black;}  
  header { text-align: left; }  
  header h2 {font-size: 2.25em; margin-left: 12.12121%;}  
  header h3 {font-size: 1.25em; margin-left: 12.12121%;}
```

The Media Query For A Desktop 2

```
#nav_menu {  
    display: block;}  
#mobile_menu {  
    display: none;}  
#nav_menu ul {  
    width: 100%;  
    list-style-type: none;  
    position: relative;}
```

The Media Query For A Desktop 3

```
section {  
    width: 54%; float: left;  
    margin-left: 2.0202%; padding: 1.5em 0 0 0;}  
aside {  
    width: 35%; float: right;  
    margin: 1.5em 2.0202% 0 0; }  
footer {  
    clear: both; text-align: right; margin-right: 2.0202%;}
```

Try It Yourself

In this activity, you can practice using an example for a responsive web design webpage. So:

1. Open the folder called TIY inside the WT-w3_8 folder.
2. Open the index.html in your browser.
3. Change the size of the browser to see how the menu changes.
4. Create the CSS rule sets for <section>, <aside> and <footer> for @media only screen and (min-width: 772px).