

Week 6 Tutorial

This tutorial contains Exercise6+Lab6. This tutorial is part of your assessment task 1. Please submit your completed work in ZIP format onto moodle.

Note: Submit your ZIP file in your respective lecturer’s tutorial submission link for marking and feedback.

Exercise6: Creating Media Queries

Instructions: In this exercise, you will use your text editor to add tablet and desktop media queries to a style sheet. You will create style rules for a tablet viewport and a desktop viewport. You then add a style rule for an image element to style the pictures in two columns for a tablet viewport and three columns for a desktop viewport. The completed webpage is shown in Figure 6.1 for a tablet viewport and Figure 6.2 for a desktop viewport. You will also use professional web development practices to indent, space, comment, and validate your code.

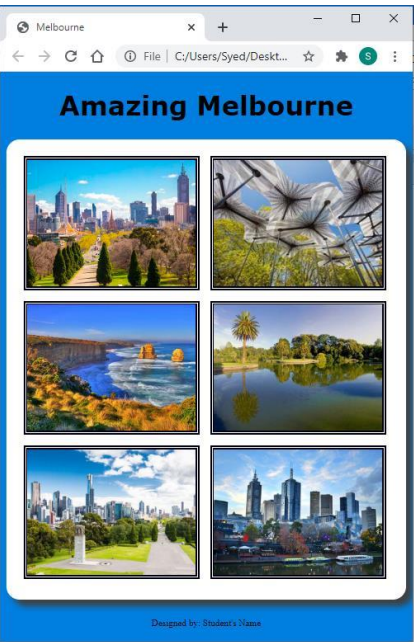


Figure 6.1

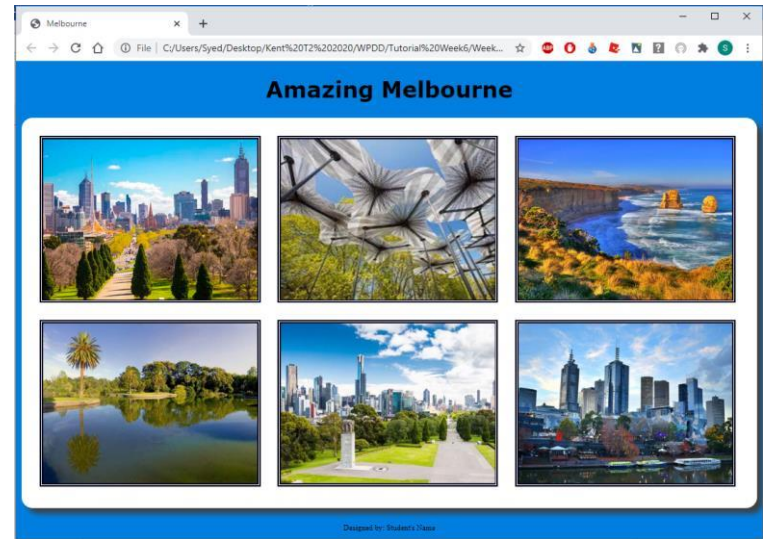


Figure 6.2

Perform the following tasks:

1. Open **apply06.html** in your browser to view the webpage. You can find this file in Week6 Tutorial Material folder in moodle.
2. Open **apply06.html** in your text editor, review the page, and modify the comment at the top of the page to include your name and today's date.
3. Open the **applystyles06.css** file from the Week6 tutorial folder in your moodle. Modify the comment at the top of the style sheet to include your name and today's date.
4. In the applystyles06.css file, add a media query to target a tablet viewport. Use **min-width: 481px** and include the following comment, **Styles for tablet layout**.
5. Create a new style rule for the **img** element to set the **width** to **45%** within the tablet media query.
6. In the applystyles06.css file, add a media query to target a desktop viewport. Use **min-width: 769px** and include the following comment, **Styles for desktop layout**.
7. Create a new style rule for the **img** element to set the **width** to **30%** within the desktop media query.
8. Save all of your changes and open the apply06.html in Google Chrome.
9. Use the developer tools in Google Chrome to view each viewport's dimensions and determine a better viewport size for the desktop viewport.
10. Modify the desktop media query with the new value in the applystyles06.css file.
11. Validate your HTML document using the W3C validator found at validator.w3.org and fix any errors that are identified.
12. Validate your CSS file using the W3C validator found at <http://jigsaw.w3.org/css-validator/> and fix any errors that are identified.
13. Submit the files in a format specified by your lecturer.

Week6 Lab: Designing for Tablet and Desktop Viewports for the New Harvest Food Bank

Problem: You volunteer at a local food bank called New Harvest Food Bank that collects community food donations and provides food and other services to those in need. The company has asked you to create a responsive website. Start with the fbstyles.css and index.html files you completed in Chapter 5. You have already created the mobile layout, but now need to design a tablet and desktop layout. Style the webpage shown in Figure 6.3 for the tablet viewport and shown in Figure 6.4 for the desktop viewport.

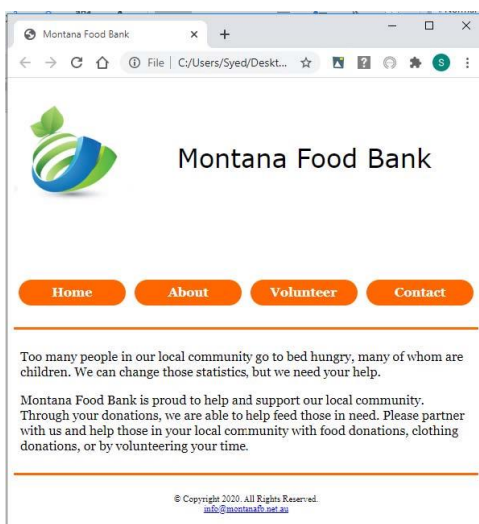


Figure 6.3

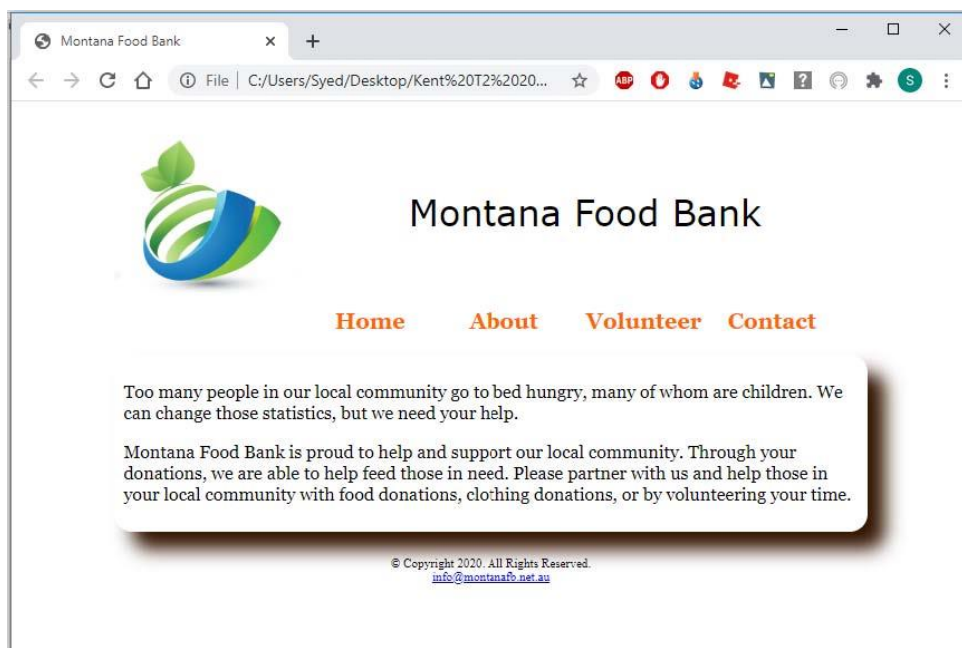


Figure 6.4

Instructions: Perform the following tasks:

1. Open your text editor and then open the **index.html** file and the **fbstyles.css** file from Week6 Tutorial Material folder.
2. In the index.html document, modify the comment at the top of the page to include today's date.
3. In the index.html document, insert a **div** element, **div class="mob"** below the **<main>** tag.
4. In the index.html document, insert a **div** element, **div class="desktop"** below the **div class="mobile"** element.
5. In the index.html document, insert the following paragraph elements in the new **div class="desktop"** element.

<p>Too many people in our local community go to bed hungry, many of whom are children. We can reduce that number, but we need your help.

</p>

<p>New Harvest Food Bank is proud to help and support our local community.

Through your donations, we are able to help feed those in need.

Please partner with us and help those in your local community with food donations, clothing donations, or by volunteering your time.</p>

6. In the fbstyles.css file, modify the comment at the top of the page to include today's date.

7. In the fbstyles.css file, create a media query for a tablet viewport and use **min-width:481px**.

8. Add the following style rules to the tablet media query and include comments for each.

```
img {
width: 25%;
float: left;
}
header p {
margin-bottom: 4em;
padding-top: 1.5em;
}
nav li {
display: inline;
float: left;
margin-left: 1%;
margin-right: 1%;
padding-left: 0;
padding-right: 0;
width: 23%;
}
```

```
main {
clear: left;
margin-top: 12em;
}
```

```
.mobile {
display: none;
}
```

```
.desktop {
display: inline;
}
```

9. In the fbstyles.css file, create a media query for a desktop viewport and use **min-width:769px**.

10. Add the following styles to the desktop media query and include comments for each.

```
#container {
width: 80%;
}
nav {
margin-top: -5em;
}
nav ul {
margin: 0;
padding-left: 0.50%;
padding-right: 0.50%;
}
nav li {
background-color: #FFFFFFF;
border-radius: 0;
margin-left: 0;
margin-right: 0;
padding: 0;
width: 18%;
}
nav li a {
color: #FF6600;
display: inline-block;
padding: 0.7em;
font-size: 1.25em;
}
nav li a:link {
color: #FF6600;
}
nav li a:hover {
color: #4C1F00;
font-style: italic;
}
main {
border: none;
border-radius: 1em;
box-shadow: 1em 1em 1em #331400;
margin-top: 1em;
}
```

11. In the fbstyles.css file, add a style rule to hide the desktop class for the mobile layout and include a comment.

12. Validate your HTML code and fix any errors.

13. Validate your CSS code and fix any errors.

14. Save all files and open the index.html page within a browser as shown in Figure 6.3 for a tablet viewport and Figure 6.4 for a desktop viewport.

15. Submit your assignment in the format specified by your lecturer.