

# Picture – Walkthrough Instructions

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## Introduction

This lesson has two parts:

- Part 1:
  - Picture Element
  - Picture Element with Webp
- Part 2: Responsive Card

## Demo Instructions

You can follow along with your instructor to complete this build and/or you can use this document as a guide in completing the demo build.

## Steps – Part 1:

### Picture Element

1. Download the **demo-picture-element.zip** file from Moodle and extract its contents to a folder named **demo-picture-element**.
2. The completed output should look like when you resize your browser:



**Note:** At a larger resolution, the images will be larger.

3. The first step is to add the picture element to **index.html**:

- a. Add the following code just before `</section>`:

```
<picture>
  <source media="(min-width: 700px)" srcset="img/chocolate-bunnies.jpg">
  
</picture>

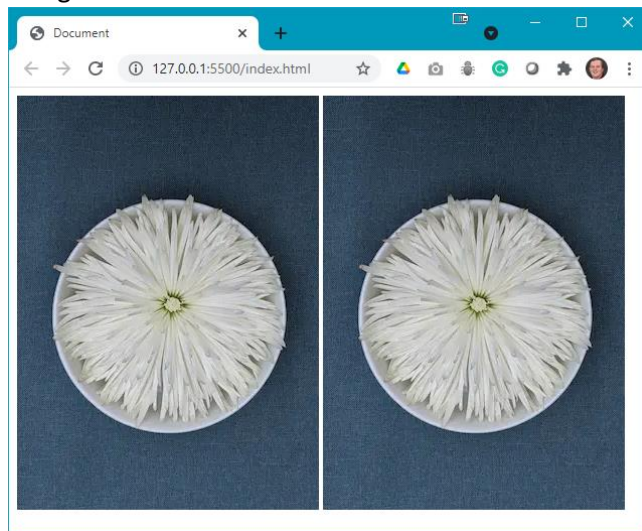
<picture>
  <source media="(min-width: 700px)" srcset="img/easter.jpg">
  
</picture>

<picture>
  <source media="(min-width: 700px)" srcset="img/chocolate-eggs.jpg">
  
</picture>
```

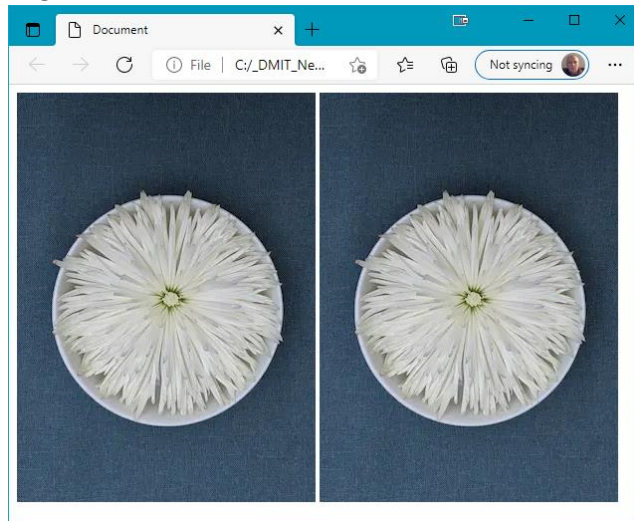
**Note:** The `<picture>` element has a *built-in* media query to swap out the image when the browser width reaches the breakpoint.

### Picture Element with Webp

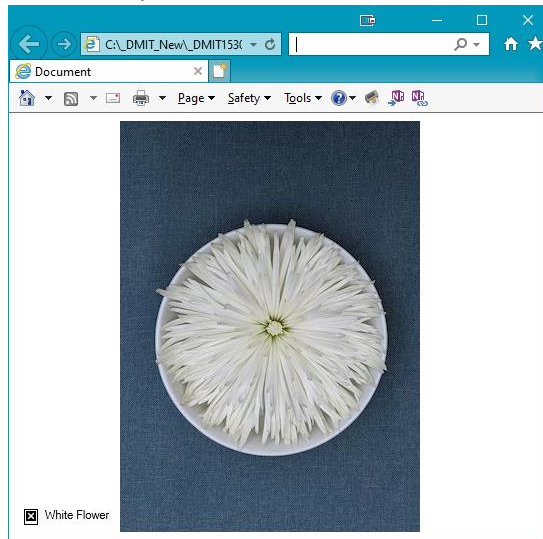
1. Download the **demo-picture-webp-main.zip** file from Moodle and extract its contents to a folder named **demo-picture-webp-main**.
2. The completed output should look like:
  - a. Google Chrome:



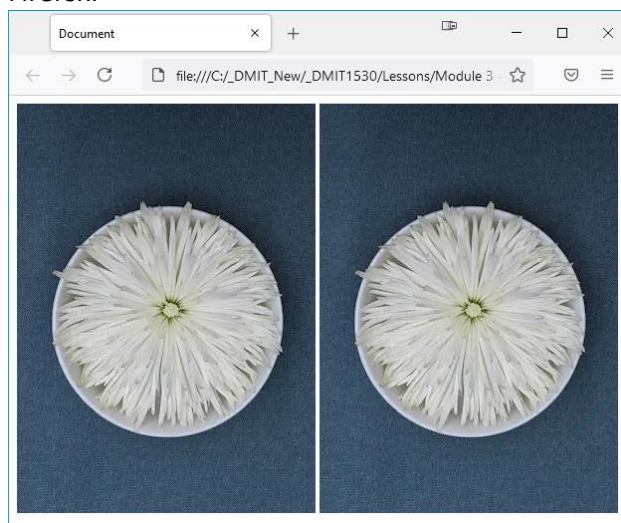
b. Edge:



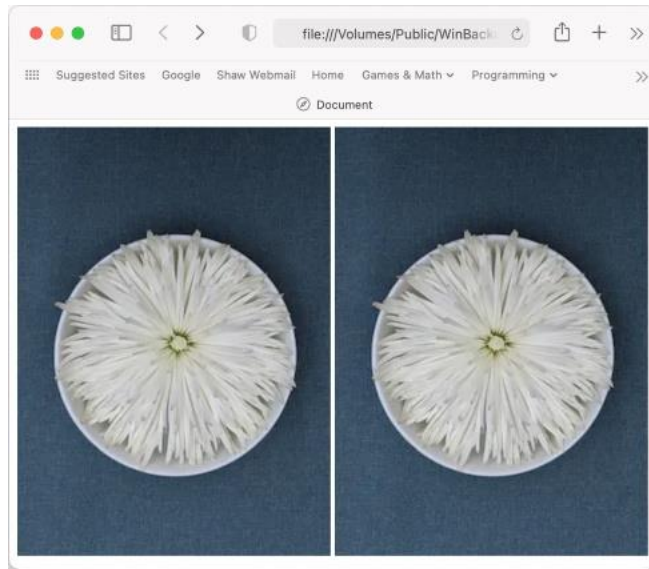
c. Internet Explorer:



d. Firefox:



e. Safari:



3. Add the code below to your **index.html**:

```

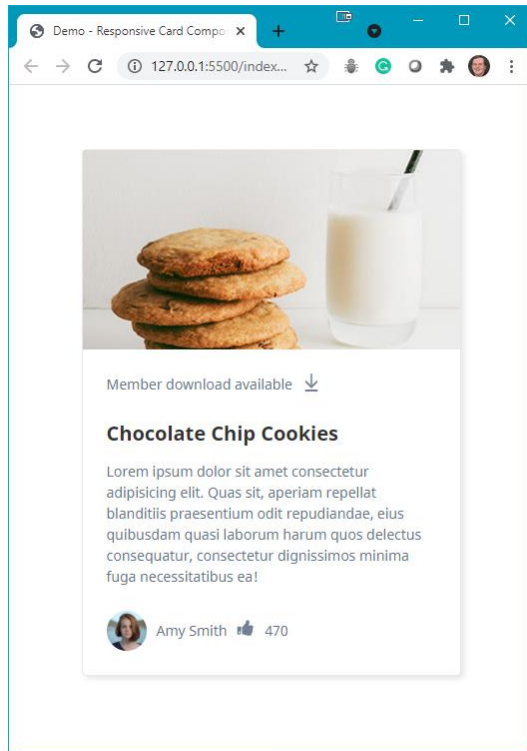

<picture>
  <source srcset="img/flower-webp.webp" type="image/webp">
  
</picture>
```

4. Now test your web page in multiple browsers to see which images load, or do not load.

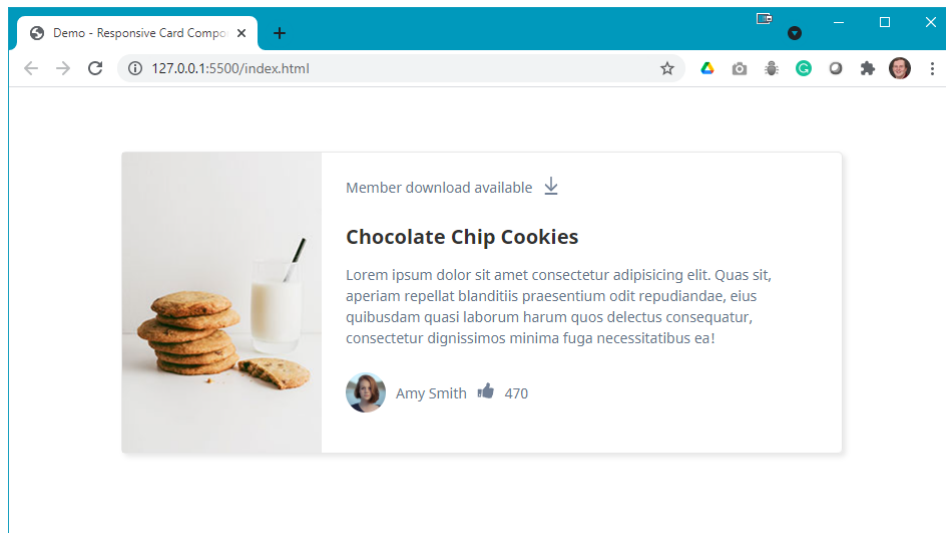
## Steps – Part 2: Responsive Card

1. Download the **demo-responsive-card-component.zip** file from Moodle and extract its contents to a folder named **demo-responsive-card-component**.
2. The completed output should look like:

a. Narrow width:



b. Wide width:



3. Modify your **index.html** with the code shown below:

a. Update the **<head>** with links to the stylesheets:

```
<link rel="stylesheet" href="css/reset.css">
<link rel="stylesheet" href="css/styles.css">
```

- b. Add the following div elements:

```
<body>
  <div class="container">
    <div class="card">

    </div>
  </div>
</body>
```

- c. Add a <picture> element:

```
<div class="card">
  <picture>
    <source srcset="img/cookie.jpg" media="(min-width: 800px)">
    
  </picture>
</div>
```

- d. Add the following below the </picture>:

```
<div class="card-body">
  <div class="flex-container">
    <p>Member download available</p>
  </div>
</div>
```

- e. Add the SVG below the paragraph (remember to copy the code from the SVG file)

- f. Below the flex container div, add the following (inside the paragraph tags, is a paragraph of lorem ipsum text):

```
<h4>Chocolate Chip Cookies</h4>
<p>
  Lorem ipsum dolor sit amet consectetur adipisicing elit. Quas sit, aperi
</p>
```

- g. Below the lorem ipsum paragraph add the following div:

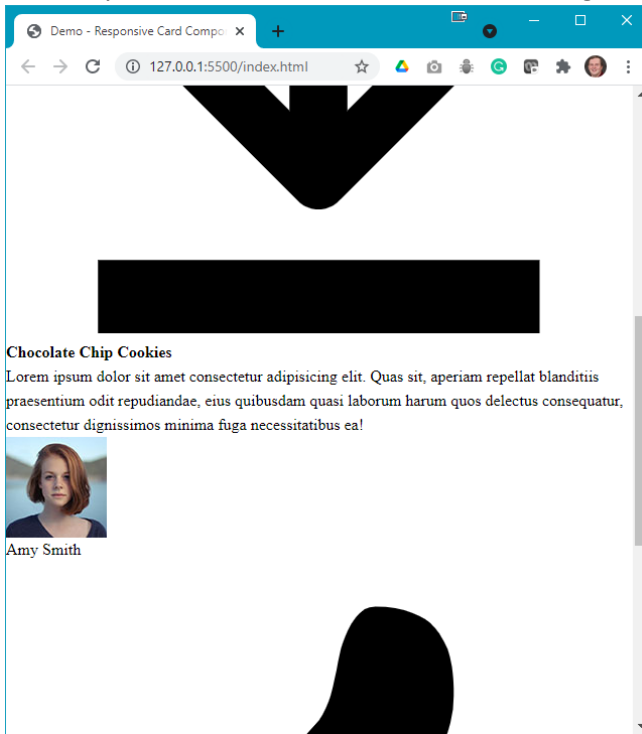
```
<div class="card-footer flex-container center-align">
  
  <p>Amy Smith<p>

  <p>470</p>
</div>
```

- h. Between the two paragraphs, add the **thumbs-up-icon.svg** (remember to copy the code from the SVG file)

```
<p>Amy Smith<p>
<svg viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M32
<p>470</p>
```

4. Refresh your browser and scroll to see something like:



**Question:** What needs to be done next?

5. Open your **styles.css** file and add the following style rules:

- a. Add some initial style rules:

```
body {  
  font-family: 'Noto Sans', sans-serif;  
  color: #323232;  
}  
  
.container {  
  padding: 4rem 0.4rem;  
}  
  
.flex-container {  
  display: flex;  
  align-items: flex-start;  
}  
  
.center-align {  
  align-items: center;  
}
```

b. Style the card:

```
.card {
  max-width: 23.75rem;
  margin: 0 auto;
  border-radius: 5px;
  border: 1px solid #e8e8e8;
  box-shadow: 3px 3px 5px #e8e8e8;
}

p {
  margin-bottom: 1.5rem;
}

.card-body {
  padding: 1.5rem;
}

.card p {
  font-size: 0.875rem;
  color: #67768c;
}
```

c. Style the SVG:

```
svg {
  margin: 0 10px;
  width: 18px;
}

svg path {
  fill: #718096;
}
```

d. Style the card footer contents:

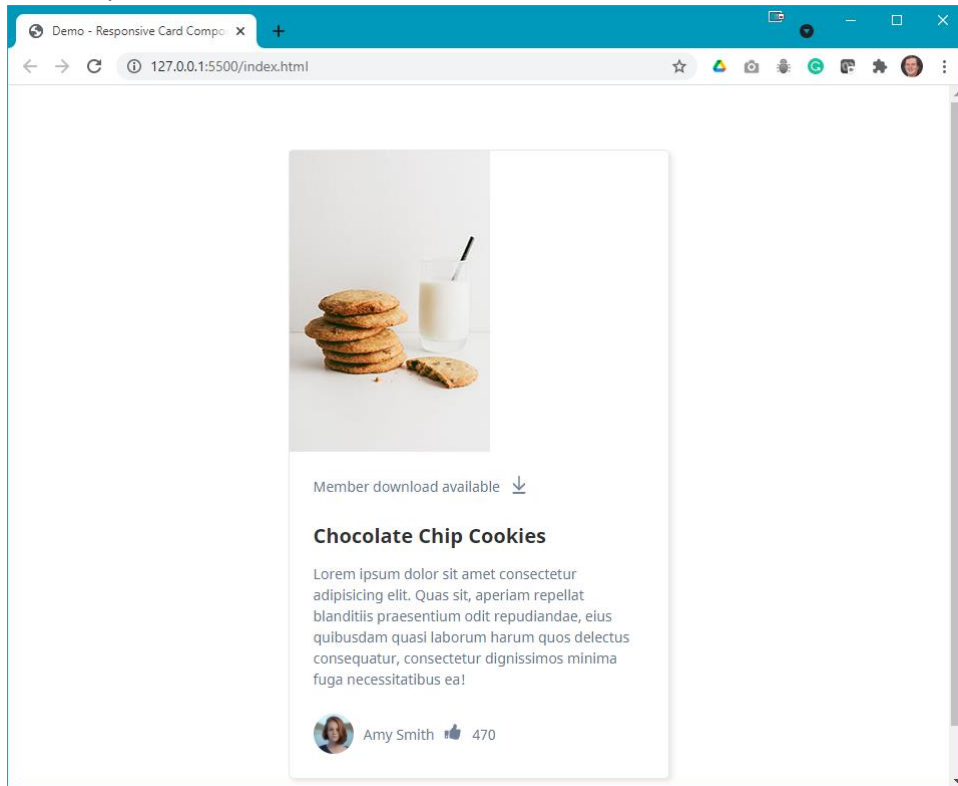
```
.card h4 {
  font-size: 1.25rem;
  margin-bottom: 0.75rem;
}

.card .author-img {
  width: 40px;
  border-radius: 50%;
  margin-right: 10px;
}

.card-footer p {
  margin-bottom: 0;
}
```



6. Refresh your browser and use a wide width to see:



**Question:** Now what needs to be done?

7. You now must add the following media query for the wide width of the browser:
- a. Add the following media query:

```
/* wider version */
@media only screen and (min-width: 800px) {
  .card {
    max-width: 45rem; /* 750px */
    display: flex;
  }

  picture {
    flex-basis: 27.78%; /* 200px */
  }

  .card-body {
    flex-basis: 72.22%; /* 520px */
  }
}
```

8. Refresh your browser to see the desired output at both narrow and wide browser widths.