

Assignment: [Tutorial] Making a Responsive Card Layout

Due Date: June 10th by 11:59pm

Points: 10

Description: In this lesson, we will use CSS to create a responsive card layout that is compatible on larger and smaller webpages.

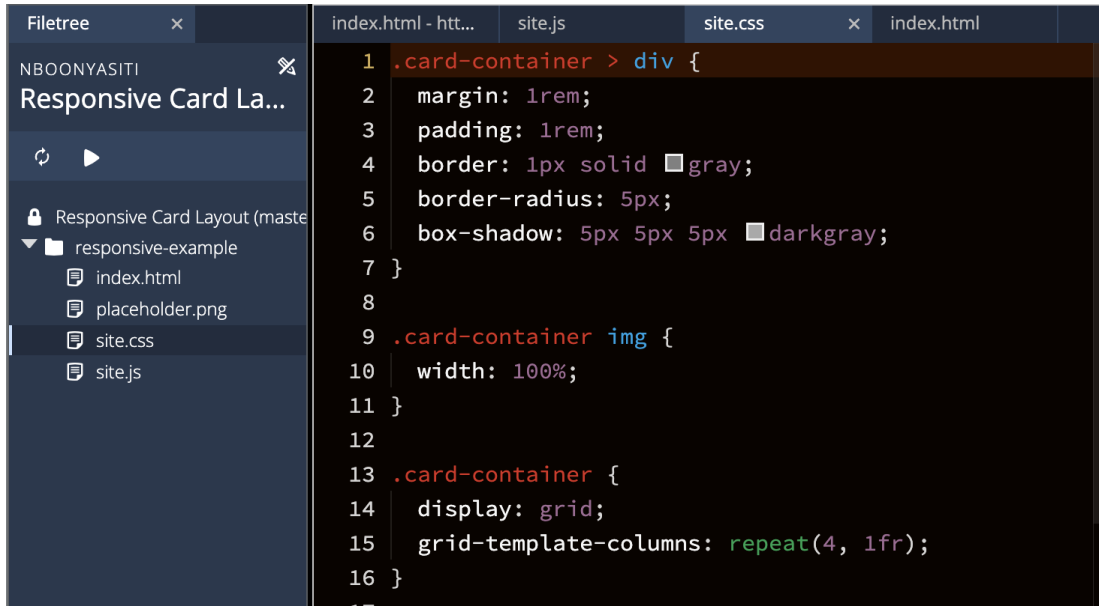
Overall Summary:

Section	Assessment Name	Points	Type	Correct
Styling Cards	Add card css details	1	U	✓
Adding Media Queries	Add media queries details	1	U	✓
Changing the Device	Check the viewport metatag details	1	U	✓

Index.html - We are to add a div class "card-container". Card-container will encapsulate all the images and text used in index.html for later use in site.css.

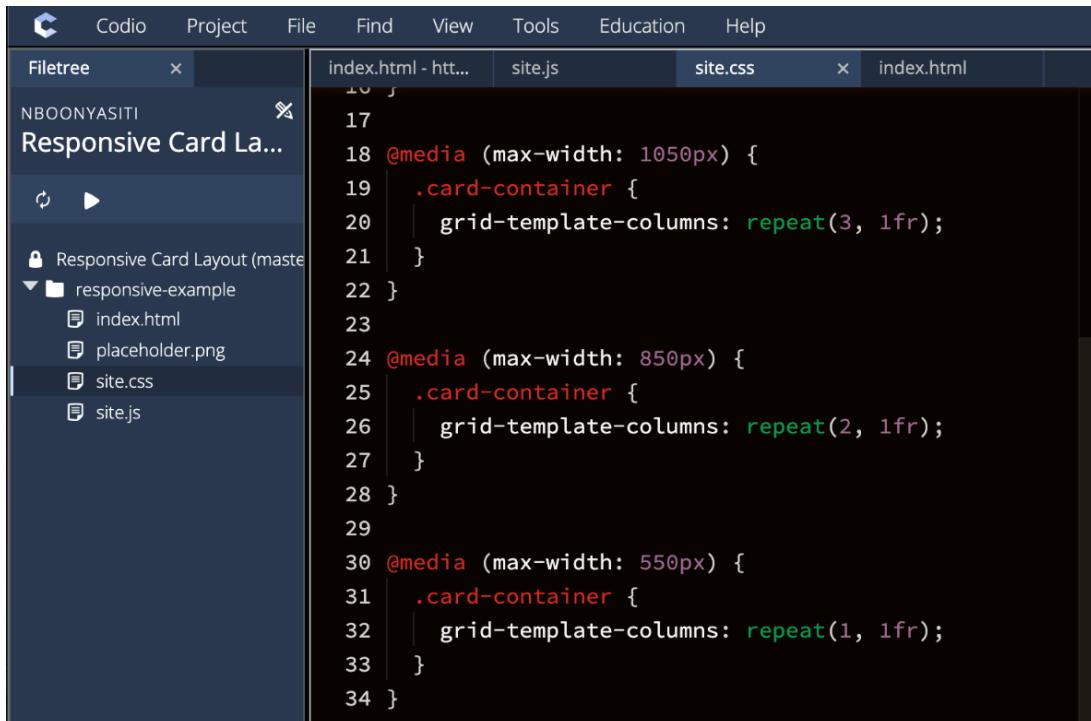
```
1 <!DOCTYPE html>
2 <html>
3   <meta name="viewport"
4     content="width=device-width, initial-scale=1">
5   <head>
6     <title>Exploring Codio</title>
7     <link href="site.css" rel="stylesheet"
8       type="text/css"/>
9   </head>
10  <body>
11    <h1>Responsive Layout</h1>
12    <p>The purpose of this page is to work with a
13      responsive layout.</p>
14    <div class="card-container">
15      <div>
16        
17        <p>Lorem ipsum dolor sit amet, consectetur
18          adipiscing elit. Pellentesque laoreet ornare
19          tortor, ac placerat nisl. Donec quis justo
```

Site.css - First, we create “card-container > div”, “card-container img” and “card-container”. “Card-container > div” will create the styling for the card-container and all child divs within it. Card-container contains styling for the default display of the cards, while card-container img styles the image we input into the html.



```
1 .card-container > div {
2   margin: 1rem;
3   padding: 1rem;
4   border: 1px solid gray;
5   border-radius: 5px;
6   box-shadow: 5px 5px 5px darkgray;
7 }
8
9 .card-container img {
10  width: 100%;
11 }
12
13 .card-container {
14  display: grid;
15  grid-template-columns: repeat(4, 1fr);
16 }
```

Afterwards we style the media to fit a variety of differently sized webpages. We specify three cases: 1) When the webpage is less than 1050px, we will show 3 columns. 2) When the webpage is less than 850px, we will show 2 columns. 3) When the webpage is 550px, we will show 1 column.



```
10 }
17
18 @media (max-width: 1050px) {
19   .card-container {
20     grid-template-columns: repeat(3, 1fr);
21   }
22 }
23
24 @media (max-width: 850px) {
25   .card-container {
26     grid-template-columns: repeat(2, 1fr);
27   }
28 }
29
30 @media (max-width: 550px) {
31   .card-container {
32     grid-template-columns: repeat(1, 1fr);
33   }
34 }
```