

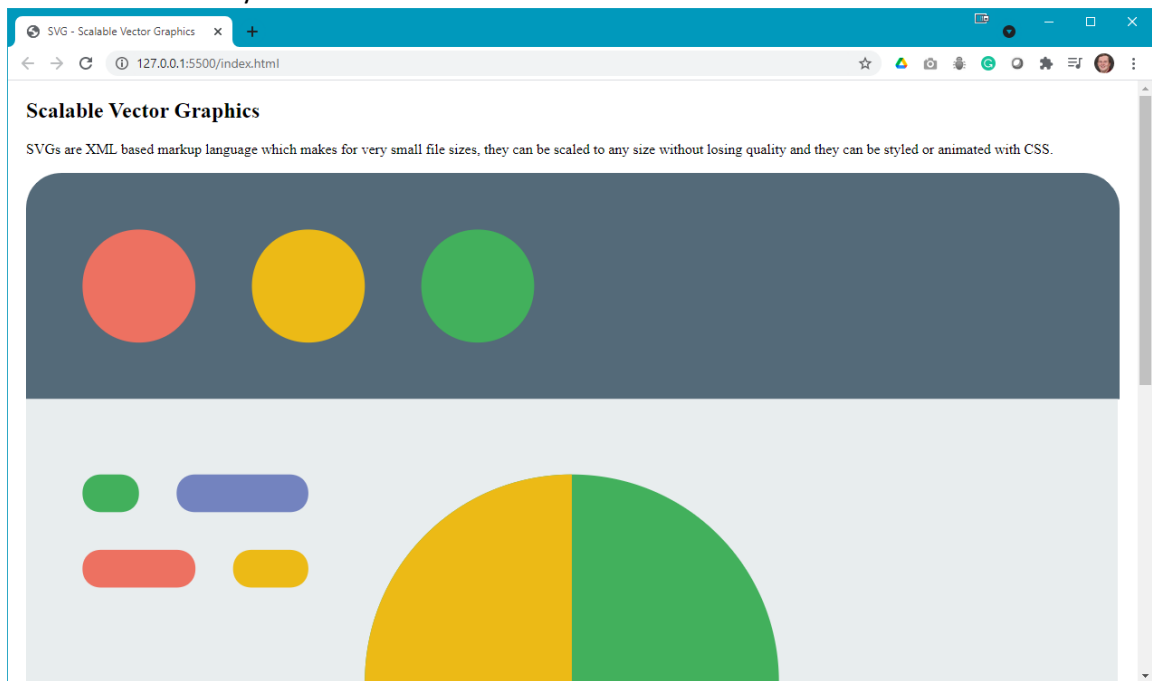
Demo SVG – Walkthrough Instructions

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

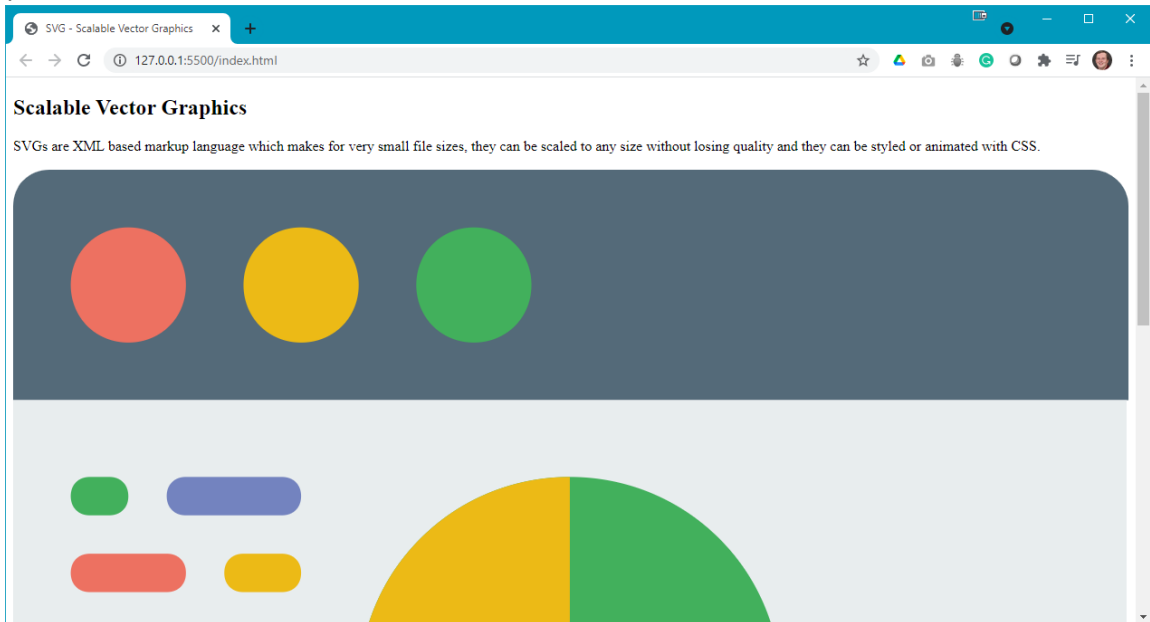
1. Download the **demo-svg.zip** file from Moodle and extract its contents to a folder named **demo-svg**.
2. In your code editor, view the **browser-website.svg** file. What do you notice about this file?
3. Add the code below to the `<p>` in the `<section>` of **index.html**:
``
4. Save and refresh in your browser to see:



You will have to scroll to see the full image.

5. Experiment by increasing or minimizing the output % of the browser. What effect did this have on the display size of the image and the resolution of the image? [Hint: Compare the image to the size of the text on the web page.]
6. Now, comment out the `` element you added.
7. In your code editor, select the **browser-website.svg** file. Copy all the code that starts with `<svg>` ... `</svg>` block and paste below the commented out `` element. Save and refresh

your browser to see:



8. You will want to be able to scale this. To do this you need to add the following style rules to your **styles.css** file:

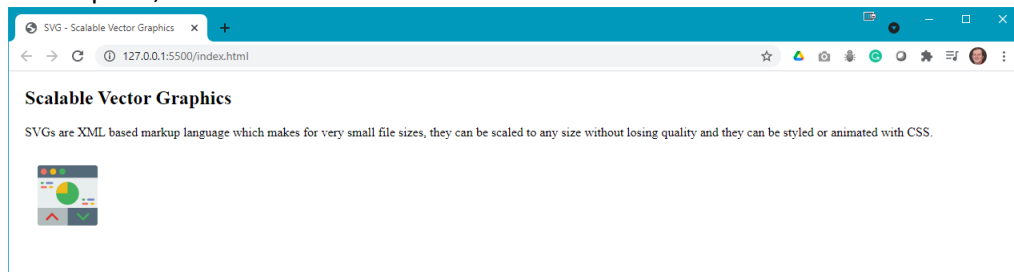
- a. Add spacing to the `<section>` element:

```
section {  
  padding: 0 0.75rem;  
}
```

- b. Style the `<svg>` element:

```
svg {  
  width: 75px;  
  height: 75px;  
  padding: 1rem;  
  border-radius: 4px;  
}
```

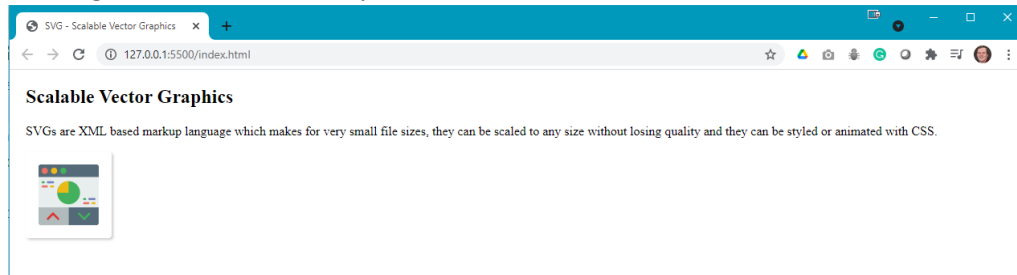
At this point, save and refresh the browser to see:



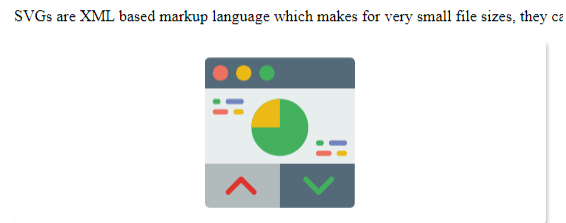
- c. Add a hover effect to the `<svg>` element:

```
svg:hover {  
  box-shadow: 2px 2px 3px #ccc;  
}
```

Once again, save and refresh your browser and test the hover action to see:



- d. Now experiment by changing the width and height of the `<svg>` element:
Scalable Vector Graphics

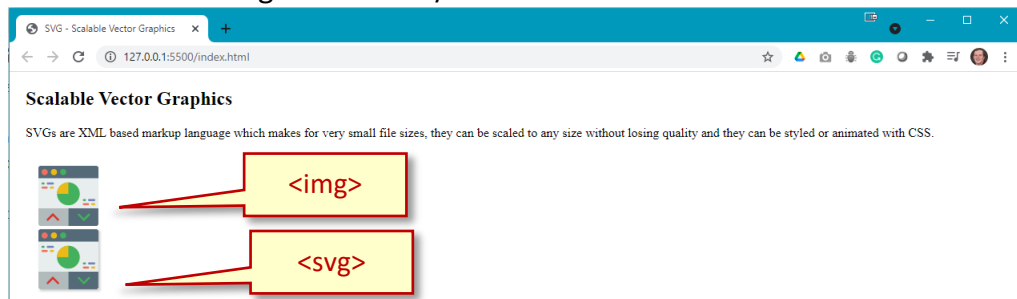


Note: the image does not change in size.

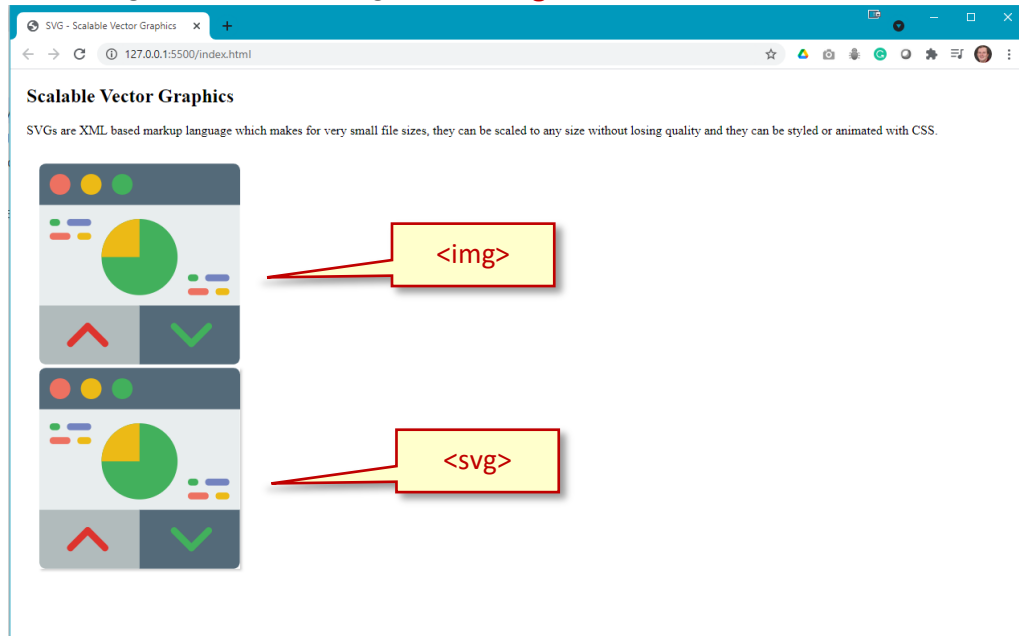
- e. Now you can scale the `<svg>` by scaling the container by commenting out the code you just added and add the following code:

```
/* svg {  
  width: 75px;  
  height: 75px;  
  padding: 1rem;  
  border-radius: 4px;  
} */  
  
/* styling the container holding the img tag, vs styling the svg element directly */  
.svg {  
  width: 75px;  
  height: 75px;  
  padding: 1rem;  
  border-radius: 4px;  
}
```

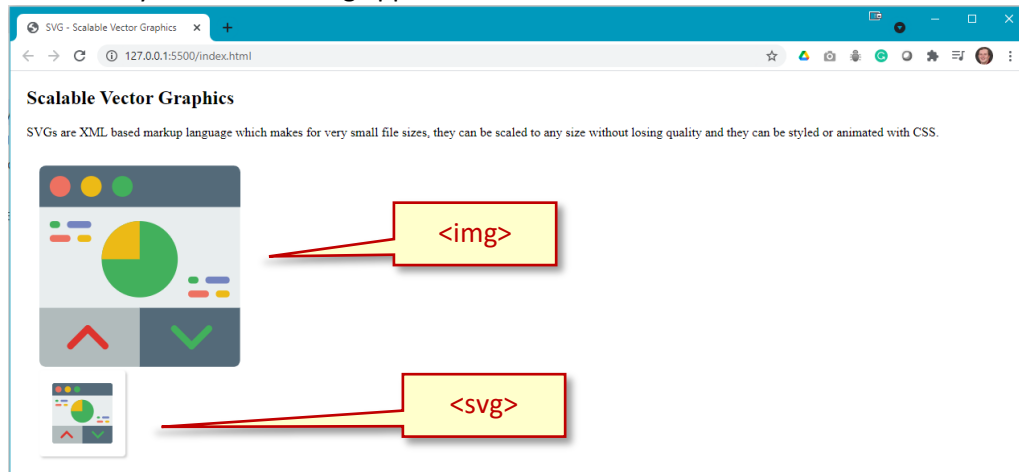
- f. Uncomment the `` element in your **index.html** and the result should look like:



- g. Now change the width and height in the `.svg` class:



- h. For a final comparison uncomment the `<svg>` style rule so that both the element and the class style rules are being applied:



9. Even though we set both width and height for the SVG image, the SVG scaled proportionally. For your personal understanding, research if it is possible to scale an SVG with width and height of different values.