

# CSS-II

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# Styling a specific element

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```
<!DOCTYPE html>
<html>
<head>
  <title>CSS Child</title>
  <style>
    a{
      color: blue;
    }
    a[href="https://www.siu.edu"] {
      color: blueviolet;
    }
  </style>
</head>
<body>
  <ul>
    <li><a href="https://www.google.com">Google</a></li>
    <li><a href="https://www.siu.edu">SIUE</a></li>
    <li><a href="https://www.amazon.com">Amazon</a></li>
  </div>
</body>
</html>
```

# CSS pseudo class

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```
<!DOCTYPE html>
<html>
<head>
  <title>Button Color Change on Hover</title>
  <style>
    .my-button {
      background-color: #007BFF; /* Default background color */
      color: #fff; /* Default text color */
      padding: 10px 20px;
      border: none;
      cursor: pointer;
    }

    .my-button:hover {
      background-color: #0056b3; /* New background color on hover */
    }
  </style>
</head>
<body>
  <button class="my-button">Click Me</button>
</body>
</html>
```

# Responsive design

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- The design layout should be consistent across devices
- Viewports: The entire screen where the user is going to view the content
  - When browsing a webpage design for computers if viewed via a mobile device it will shrink every element, if mobile page is not available
  - Shrinking may look bad you may want to rearrange your elements in the page
  - Some elements may get scaled some may shrink
- Media Queries
- Flexbox
- Grids

# Media Query

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- There are many media queries check those out
- Vertical or landscape orientation
- Whether trying to print out the page

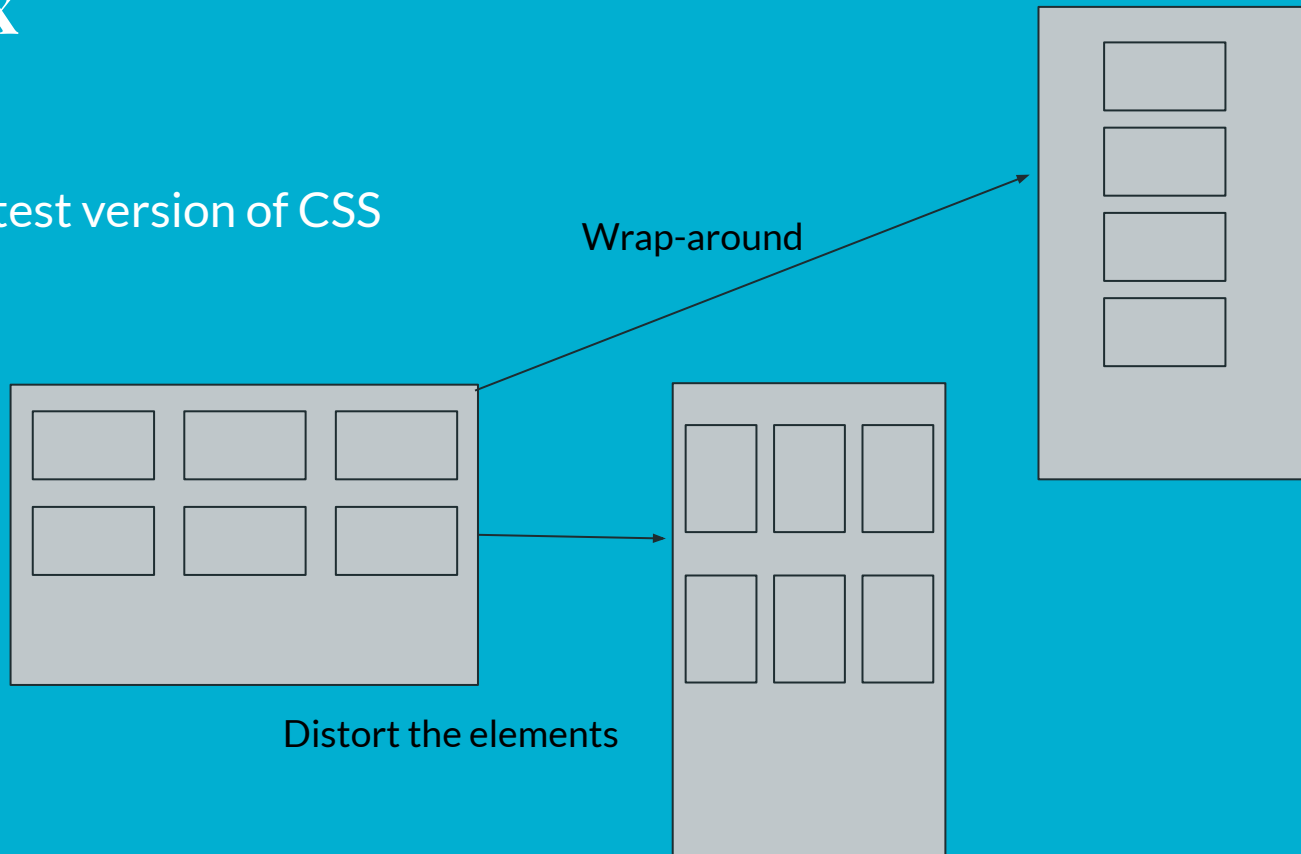
```
<!DOCTYPE html>
<html>
<head>
  <title>My website</title>
  <style>
    @media (min-width: 500px){
      body{
        color: yellowgreen;
      }
    }

    @media (max-width: 499px){
      body{
        color: brown;
      }
    }
  </style>
</head>
<body>
  <h1>Some header</h1>
  <p> some text</p>
</body>
</html>
```

# Flexbox

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- In the latest version of CSS



# Flexbox

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```
<!DOCTYPE html>
<html>
<head>
  <title>My website</title>
  <style>
    #demo_flexbox {
      display: flex;
      flex-wrap: wrap;
    }

    #demo_flexbox > div {
      background-color: blueviolet;
      margin: 10px;
      padding: 10px;
      width: 150px;
    }
  </style>
</head>
<body>
  <div id="demo_flexbox">
    <div>This is some text that will be inside of a box-1</div>
    <div>This is some text that will be inside of a box-2</div>
    <div>This is some text that will be inside of a box-3</div>
    <div>This is some text that will be inside of a box-4</div>
    <div>This is some text that will be inside of a box-5</div>
    <div>This is some text that will be inside of a box-6</div>
    <div>This is some text that will be inside of a box-7</div>
    <div>This is some text that will be inside of a box-8</div>
    <div>This is some text that will be inside of a box-9</div>
  </div>
</body>
</html>
```

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# Another layout paradigm: grid

```
<!DOCTYPE html>
<html>
<head>
  <title>My website</title>
  <style>
    #demo_grid {
      background-color: rgb(177, 201, 40);
      display: grid;
      padding: 20px;
      grid-column-gap: 20px;
      grid-row-gap: 15px;
      grid-template-columns: 250px 250px auto;
    }

    .grid-box {
      background-color: blueviolet;
      margin: 10px;
      padding: 10px;
    }
  </style>
</head>
<body>
  <div id="demo_grid">
    <div class="grid-box">This is some text that will be inside of a box-1</div>
    <div class="grid-box">This is some text that will be inside of a box-2</div>
    <div class="grid-box">This is some text that will be inside of a box-3</div>
    <div class="grid-box">This is some text that will be inside of a box-4</div>
    <div class="grid-box">This is some text that will be inside of a box-5</div>
    <div class="grid-box">This is some text that will be inside of a box-6</div>
    <div class="grid-box">This is some text that will be inside of a box-7</div>
    <div class="grid-box">This is some text that will be inside of a box-8</div>
    <div class="grid-box">This is some text that will be inside of a box-9</div>
  </div>
</body>
</html>
```



# Bootstrap

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- <https://getbootstrap.com/>
- Include via CDN: copy the link with href=""
- Documentation :  
<https://getbootstrap.com/docs/5.3/getting-started/introduction/>
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# SAAS

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- An extension of CSS
- It will not work out of box need to compile the sass code to css code
- Download sass compiler
- > sass path/filename.scss path/filename.css

# SASS

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```
<!DOCTYPE html>
<html>
<head>
  <title>My website</title>
  <link rel="stylesheet" href="style.scss">
</head>
<body>
  <h1 id="top_header">This is the top header</h1>
  <p> Some text</p>
</body>
</html>
```

```
$color: red;

#top_header {
  font-family: Impact, Haettenschweiler, 'Arial
Narrow Bold', sans-serif;
  font-size: 34px;
  color: $color;
}

p {
  font-weight: bold;
  font-size: 18px;
  color: $color;
}
```