```
<!DOCTYPE html>
<html>
<head>
<style>
  [class^="foo-"] {
    color: red;
  }
</style>
</head>
<body>

<div class="foo-123">This will be red</div>
<div class="foo-234">This will be red</div>
<div class="bar-123">This will NOT be red</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
  [class$="file"] {
    color: red;
  }
</style>
</head>
<body>

<div class="foobar-file">This will be red</div>
<div class="foobar-file">This will be red</div>
<div class="foobar-input">This will NOT be red</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
  [lang|="EN"] {
    color: blue;
  }
</style>
</head>
```

```html
<body>

<div lang="EN-us">This will be blue</div>
<div lang="EN-gb">This will be blue</div>
<div lang="PT-pt">This will NOT be blue</div>

</body>
</html>
```

```html
<!DOCTYPE html>
<html>
<head>
<style>
  [lang="EN" i] {
    color: red;
  }
</style>
</head>
<body>

<div lang="EN">This will be red</div>
<div lang="en">This will be red</div>
<div lang="PT">This will NOT be red</div>

</body>
</html>
```

```html
<!DOCTYPE html>
<html>
<head>
<style>
  div p {
    color: red;
  }
</style>
</head>
<body>

<div>
 <p>My text is red</p>
 <section>
 <p>My text is red</p>
 </section>
</div>
<p>My text is not red</p>
```

```
</body>
</html>



<!DOCTYPE html>
<html>
<head>
<style>
  div > p {
     color: red;
   }
</style>
</head>
<body>

<div>
 <p>My text is red</p>
 <section>
 <p>My text is not red</p>
 </section>
</div>

</body>
</html>



<!DOCTYPE html>
<html>
<head>
<style>
  .important {
    color: orange;
  }

  .warning {
    color: blue;
  }

  .warning.important {
    color: red;
  }
</style>
</head>
<body>

<div class="warning">
 <p>This would be some warning copy.</p>
```

```
</div>

<div class="important warning">
 <p class="important">This is some really important warning copy.</p>
</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
  p:last-of-type {
    background: #C5CAE9;
  }

  h1:last-of-type {
    background: #CDDC39;
  }
</style>
</head>
<body>

<div class="container">
 <p>First paragraph</p>
 <p>Second paragraph</p>
 <p>Last paragraph</p>
 <h1>Heading 1</h1>
 <h2>First heading 2</h2>
 <h2>Last heading 2</h2>
</div>

</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
  input:in-range {
    border: 1px solid blue;
  }
</style>
</head>
```

```
<body>

<input type="number" min="10" max="20" value="15">
<p>The border for this value will be blue</p>

</body>
</html>


<!DOCTYPE html>
<html>
<head>
<style>
  input:not([disabled], .example){
    background-color: #ccc;
  }
</style>
</head>
<body>

<form>
 Phone: <input type="tel" class="example">
 E-mail: <input type="email" disabled="disabled">
 Password: <input type="password">
</form>

</body>
</html>


<!DOCTYPE html>
<html>
<head>
<style>
  div {
    height: 80px;
  }

  input {
    margin: 30px;
  }

  div:focus-within {
    background-color: #1565C0;
  }
</style>
</head>
<body>
```

```html
<h3>Background is blue if the input is focused.</h3>
<div>
 <input type="text">
</div>

</body>
</html>
```

```html
<!DOCTYPE html>
<html>
<head>
<style>
  body {
    margin: 0;
    font-family: Arial, sans-serif;
  }

  #container {
    display: flex;
    min-height: 100vh;
  }

  #sidebar {
    width: 250px;
    background-color: #f1f1f1;
    padding: 20px;
  }

  /* Additional styling for the content area */
  #content {
    flex: 1;
    padding: 20px;
  }
</style>
<script>
  function toggleSidebar() {
    const sidebarCheckbox = document.getElementById('sidebarShown');
    const sidebar = document.getElementById('sidebar');

    sidebarCheckbox.checked = !sidebarCheckbox.checked;
    sidebar.style.display = sidebarCheckbox.checked ? 'block' : 'none';
  }

  function toggleDarkTheme() {
    const darkThemeCheckbox = document.getElementById('darkThemeUsed');
```

```
    const body = document.body;

    darkThemeCheckbox.checked = !darkThemeCheckbox.checked;
    body.classList.toggle('dark-theme', darkThemeCheckbox.checked);
  }
</script>
</head>
<body>

<input type="checkbox" id="sidebarShown" hidden />
<input type="checkbox" id="darkThemeUsed" hidden />

<!-- Toggling buttons -->
<button onclick="toggleSidebar()">Toggle Sidebar</button>
<button onclick="toggleDarkTheme()">Toggle Dark Theme</button>

<div id="container">
  <div id="sidebar">
    <!-- Menu, Search, ... -->
    Sidebar Content
  </div>

  <div id="content">
    <!-- Some more content ... -->
    Main Content
  </div>
</div>

<div id="footer">
  <!-- ... -->
  Footer Content
</div>

</body>
</html>




<!DOCTYPE html>
<html>
<head>
<style>
  /* Apply styles when checkbox is checked */
  input[type="checkbox"]:checked ~ .target {
    color: green;
  }

  /* Apply styles when checkbox is not checked */
  input[type="checkbox"]:not(:checked) ~ .target {
```

```
      color: red;
    }
</style>
</head>
<body>

<!-- Checkbox and target element -->
<input type="checkbox" id="myCheckbox">
<div class="parent">
  <div class="target">Target element</div>
</div>

</body>
</html>




<!DOCTYPE html>
<html>
<head>
<style>
  #sidebarShown:checked ~ #container #sidebar {
    margin-left: 300px;
  }

  #darkThemeUsed:checked ~ #container,
  #darkThemeUsed:checked ~ #footer {
    background: #333;
    color: white; /* Example: Change text color for better visibility */
  }

  body {
    margin: 0;
    font-family: Arial, sans-serif;
  }

  #container {
    display: flex;
    min-height: 100vh;
  }

  #sidebar {
    width: 250px;
    background-color: #f1f1f1;
    padding: 20px;
  }

  /* Additional styling for the content area */
  #content {
```

```
      flex: 1;
      padding: 20px;
    }

    #footer {
      padding: 20px;
    }
</style>
</head>
<body>

<input type="checkbox" id="sidebarShown" hidden />
<input type="checkbox" id="darkThemeUsed" hidden />

<!-- Toggling buttons -->
<button onclick="document.getElementById('sidebarShown').click()">Toggle
Sidebar</button>
<button onclick="document.getElementById('darkThemeUsed').click()">Toggle Dark
Theme</button>

<div id="container">
  <div id="sidebar">
    <!-- Menu, Search, ... -->
    Sidebar Content
  </div>
```

```
<!DOCTYPE html>
<html>
<head>
<style>
  p:only-child {
    color: blue;
    }
</style>
</head>
<body>

<div>
 <p>This paragraph is the only child of the div, it will have the color blue</p>
</div>

<div>
 <p>This paragraph is one of the two children of the div</p>
 <p>This paragraph is one of the two children of its parent</p>
</div>
```

```
</body>
</html>
```