

Why CSS?

Viewing and Experiencing Web Pages

- Web page may be displayed differently
 - Kind of device, kind of screen
 - Design to accommodate users
- Experience web pages differently
 - Typical computer monitor



Viewing and Experiencing Web Pages

- Web page may be displayed differently
 - Kind of device, kind of screen
 - Design to accommodate users
- Experience web pages differently
 - Typical computer monitor
 - Mobile device



Viewing and Experiencing Web Pages

- Web page may be displayed differently
 - Kind of device, kind of screen
 - Design to accommodate users
- Experience web pages differently
 - Typical computer monitor
 - Mobile device
 - Huge display screen



Video monitor by Luis Villa del Camp/CC-by-2.0

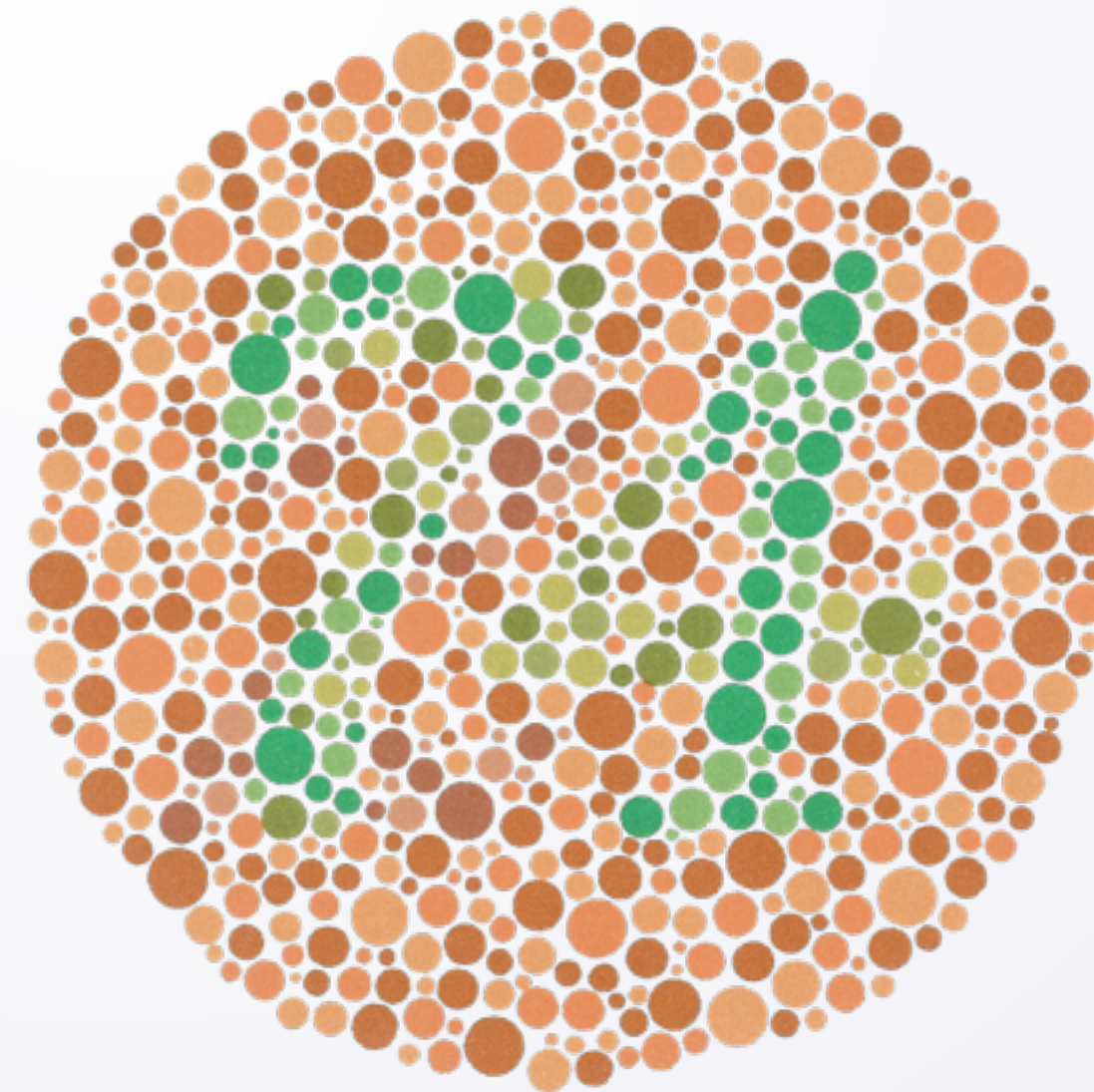
Web Page Accessibility

- Work to ensure web pages accessible
 - Remove barriers, help everyone



Web Page Accessibility

- Work to ensure web pages accessible
 - Remove barriers, help everyone
 - Sight, hearing, color, clicking, more



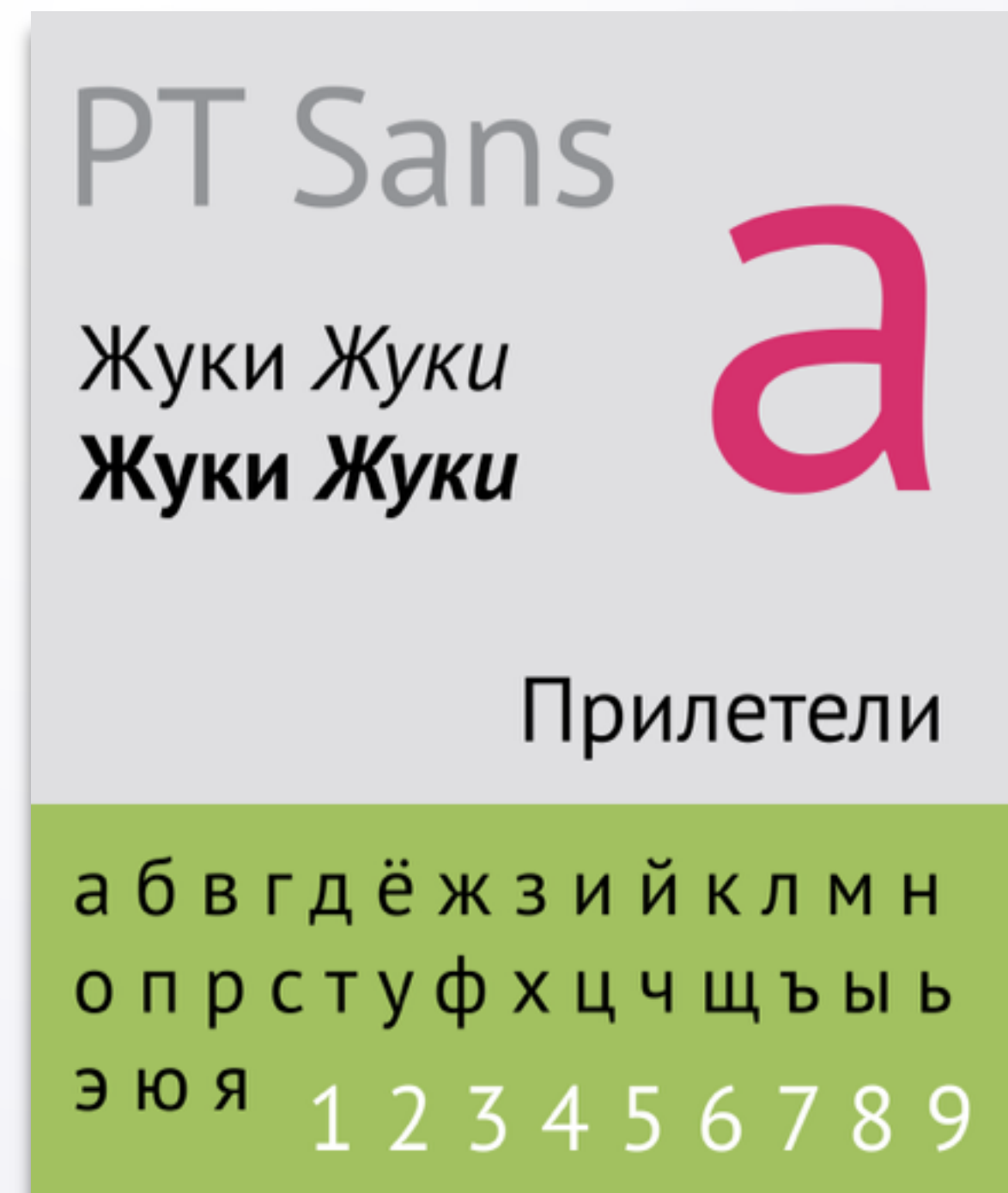
Web Page Accessibility

- Work to ensure web pages accessible
 - Remove barriers, help everyone
 - Sight, hearing, color, clicking, more
 - Example: help screen-reading



Web Page Accessibility

- Work to ensure web pages accessible
 - Remove barriers, help everyone
 - Sight, hearing, color, clicking, more
 - Example: help screen-reading
 - Example: colors and fonts



Web Page Accessibility

- Work to ensure web pages accessible
 - Remove barriers, help everyone
 - Sight, hearing, color, clicking, more
 - Example: help screen-reading
 - Example: colors and fonts
- Good user experience
 - Pages load quickly



From HTML Toward CSS

- HTML, Hypertext Markup Language
 - Specifies document content



From HTML Toward CSS

- HTML, Hypertext Markup Language
 - Specifies document content
 - Specifies some formatting
 - Header: `<h1>` `<h2>` `</h2>` `</h1>`

h1 heading

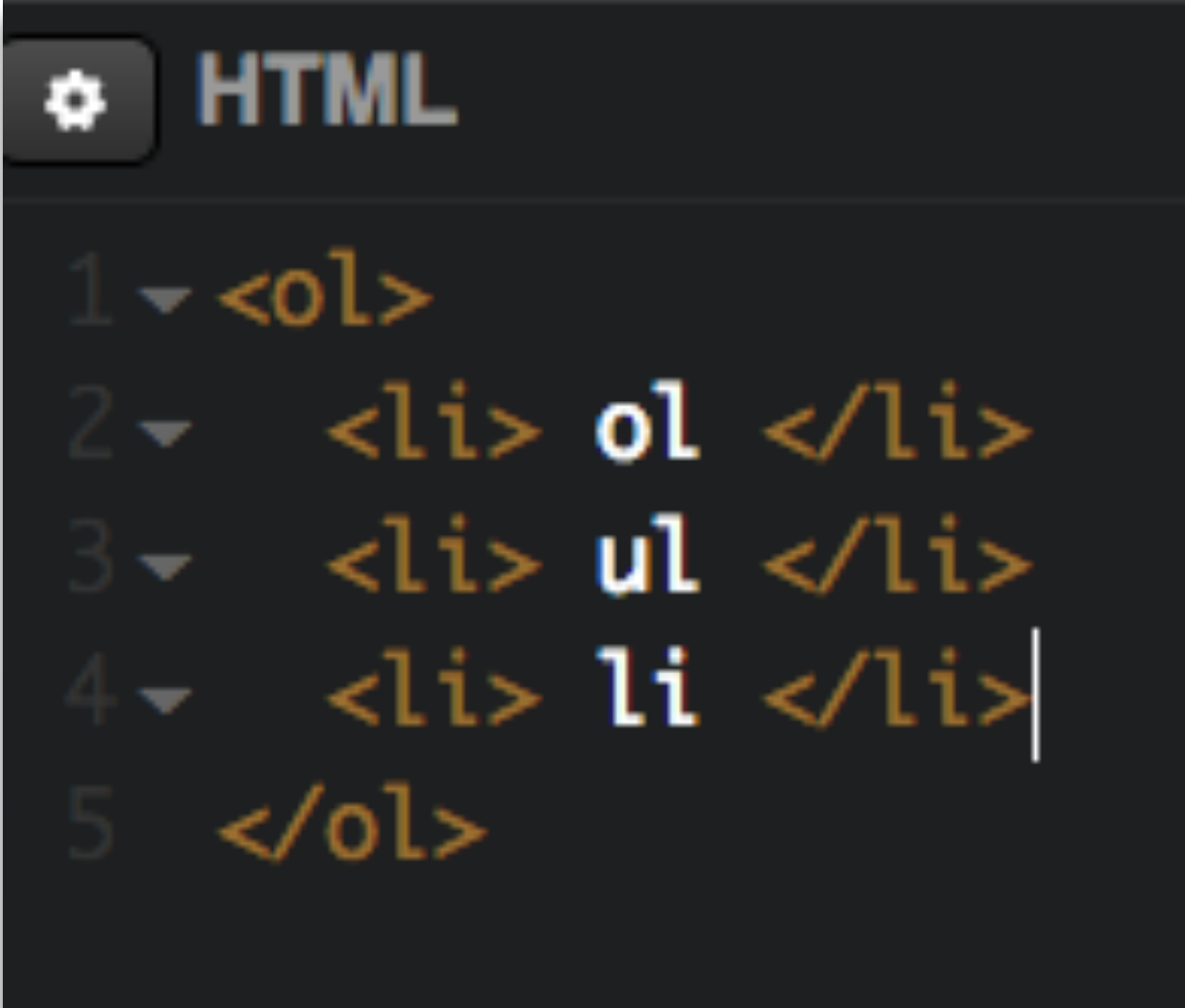
h2 heading

h3 heading

h4 heading

From HTML Toward CSS

- HTML, Hypertext Markup Language
 - Specifies document content
 - Specifies some formatting
 - Header: `<h1> <h2> </h2> </h1>`
 - Lists: ``, ``

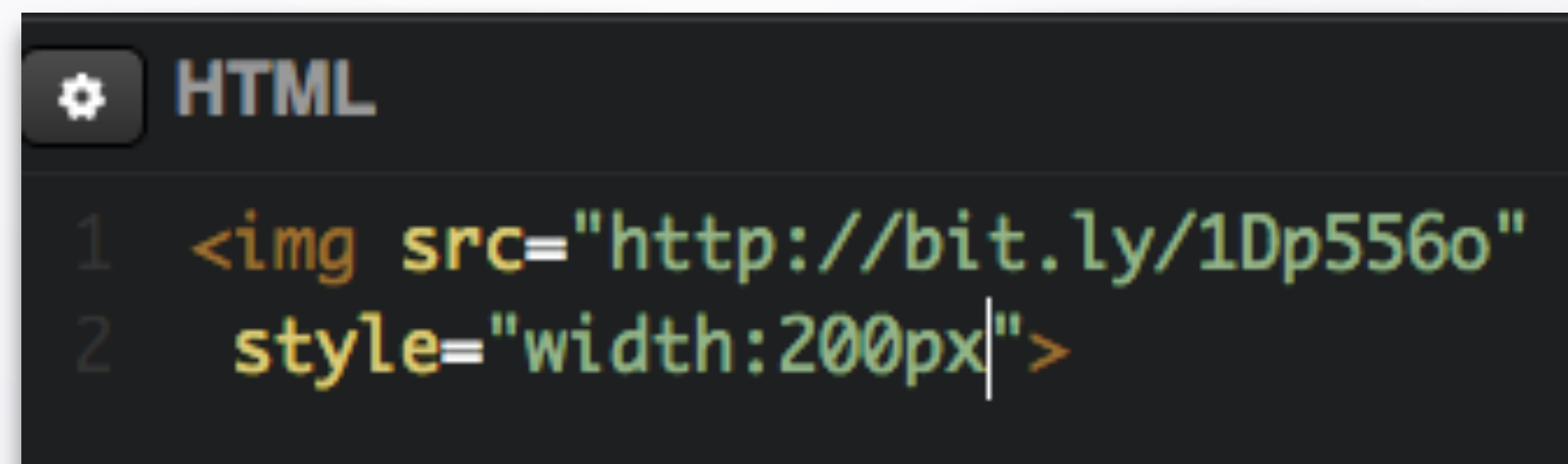


A screenshot of a code editor window titled "HTML" with a gear icon. The editor contains five lines of HTML code for creating an ordered list:

```
1 <ol>
2   <li> ol </li>
3   <li> ul </li>
4   <li> li </li>
5 </ol>
```

From HTML Toward CSS

- HTML, Hypertext Markup Language
 - Specifies document content
 - Specifies some formatting
 - Header: `<h1> <h2> </h2> </h1>`
 - Lists: ``, ``
 - Tables: `<tr></tr> <th></th> <td></td>`
 - Displaying images
 - `width="200"`
 - `style="width:200px;"`

A code editor window titled "HTML" with a gear icon. It contains two lines of code:

```
1 
```

CSS

- Cascading Style Sheets
 - Specifies look and formatting
 - Separates content from presentation
 - How big is `<h1>`?
 - Color for `<h1>`?

```
1 <h1>Header</h1>
```



CSS

- Cascading Style Sheets
 - Specifies look and formatting
 - Separates content from presentation
 - How big is `<h1>`?
 - Color for `<h1>`?
 - Mobile or Desktop ?
- Design that scales
 - 1000 pages on website



Web Page for Capital Cities

- Four capital cities: <http://bit.ly/dt-capitals>
 - Images for each one
 - What is size of each image?

Capital Cities of the World

- Washington D.C., United States
- Brasilia, Brasil
- Beijing, China
- New Delhi, India

Washington D.C.



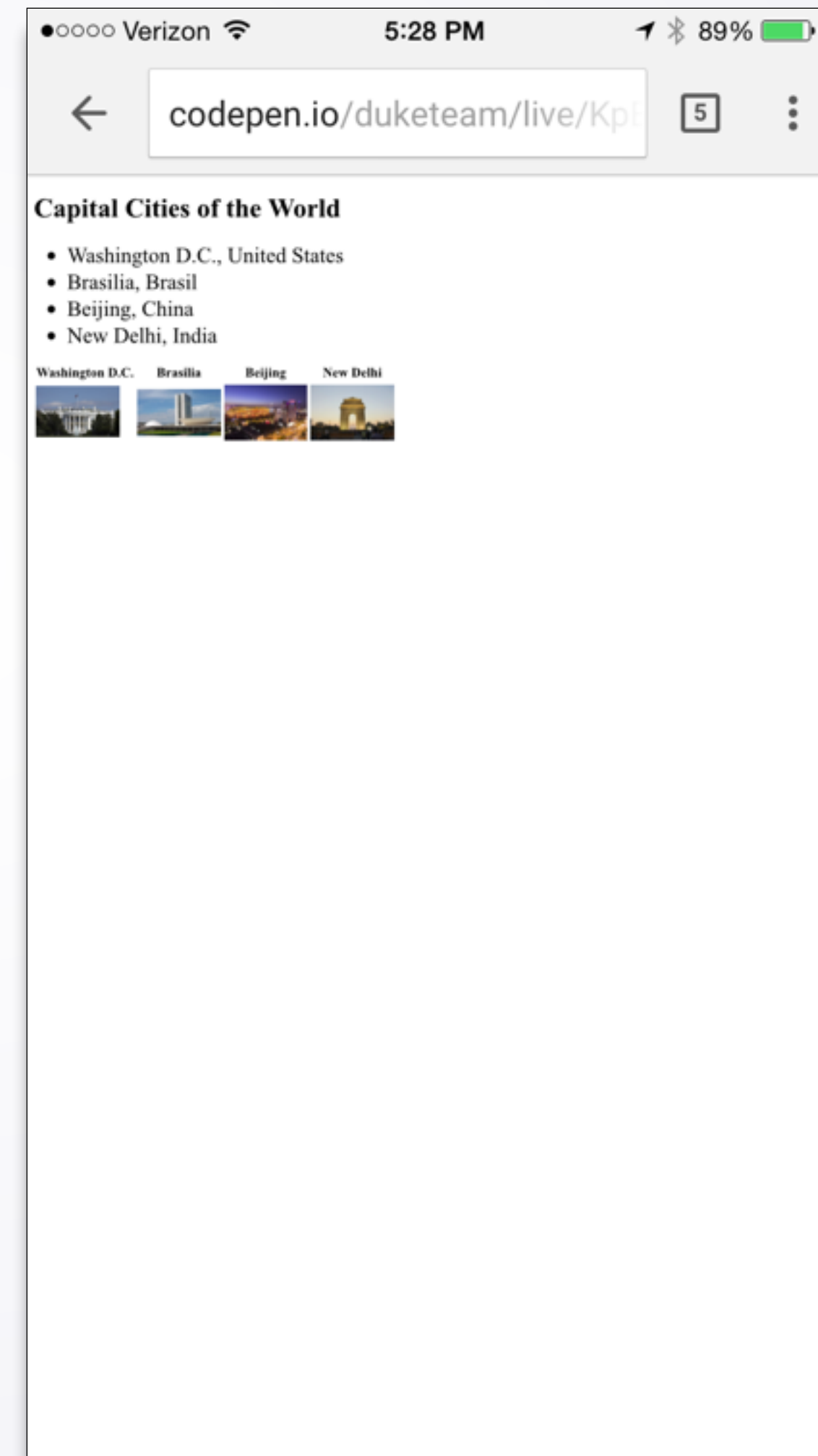
Brasilia



Beijing



New Delhi



HTML for Web Page for Capital Cities

- HTML for each of four images
 - `` tag
 - `src="..."` attribute required

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Washington D.C.



Brasilia



Beijing



New Delhi



HTML for Web Page for Capital Cities

- HTML for each of four images
 - `` tag
 - `src="..."` attribute required
 - Why is width needed?



HTML for Web Page for Capital Cities



<td>

```

```

</td>

HTML for Web Page for Capital Cities

- HTML for each of four images
 - `` tag
 - `src="..."` attribute required
 - Why is width needed?

```
<td>
```

```
  
```

```
</td>
```


Why Use CSS?

- Size each image in <http://bit.ly/dt-capitals>
 - We may need to change width="100px"
 - Change for mobile platform
 - What about alignment of image tops?
- Localize change!
 - <style> and CSS
 - Understand basics
 - Not experts yet

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New Delhi



A Taste of CSS

- Styling with CSS: <http://bit.ly/dt-capitals2>

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Beijing



New Delhi



A Taste of CSS

- Styling with CSS: <http://bit.ly/dt-capitals2>
 - `<style> CSS </style>` nested in `<head>`
 - `tag-name { styling }`

```
<head>
  <title>CSS for Capital Cities</title>
  <style>
    img {
      width: 125px;
    }
    td {
      vertical-align: top;
    }
  </style>
</head>
```


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