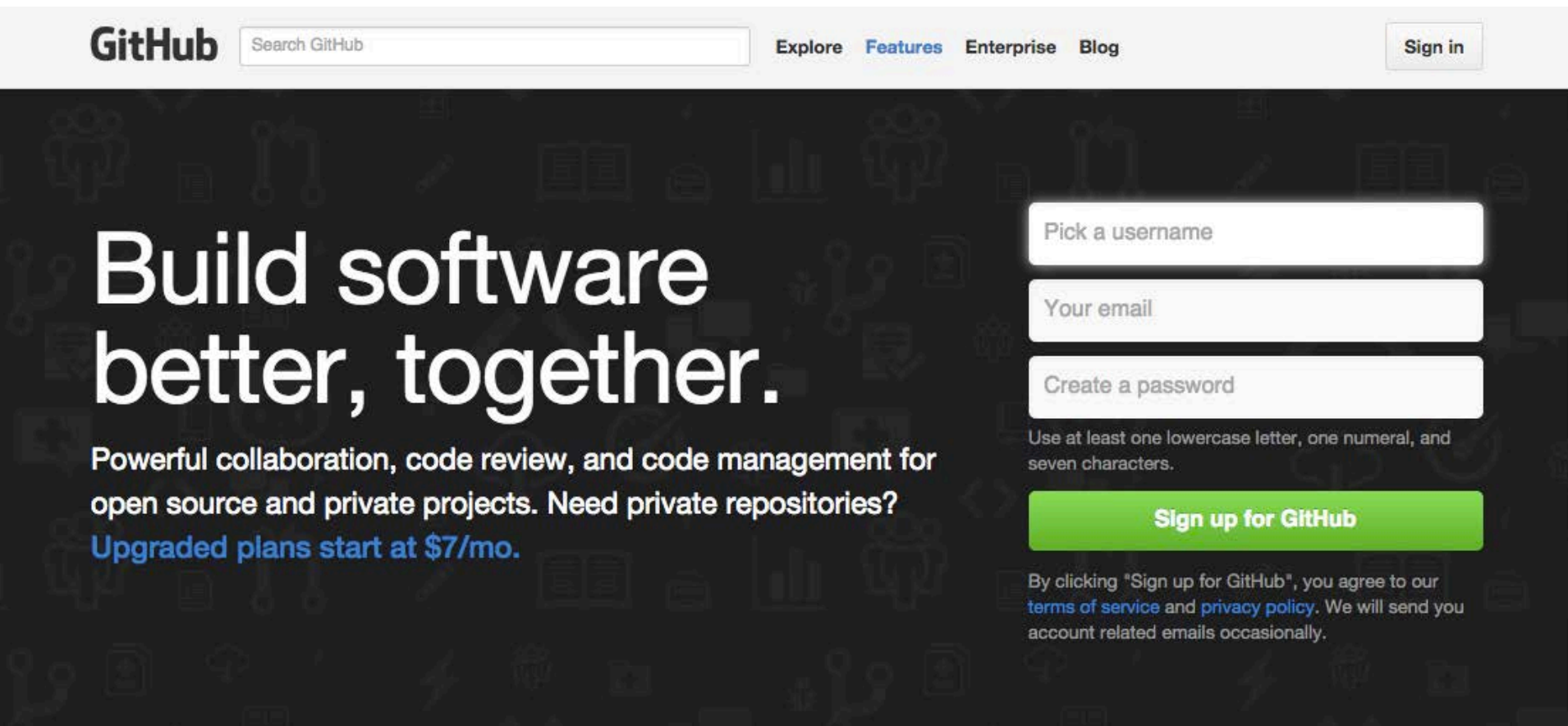


Setting Up Our Work Environments



Setting Up Our Work Environments

- Create an account at GitHub
- github.com



The screenshot shows the GitHub homepage with a dark background and various icons. The main heading is "Build software better, together." followed by a description of GitHub's capabilities. On the right side, there is a sign-up form with three input fields: "Pick a username", "Your email", and "Create a password". Below these fields is a green button labeled "Sign up for GitHub". At the top of the page, there is a navigation bar with the GitHub logo, a search bar, and links to "Explore", "Features", "Enterprise", and "Blog". A "Sign in" button is also present in the top right corner.

GitHub

Search GitHub

Explore Features Enterprise Blog

Sign in

Build software better, together.

Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? Upgraded plans start at \$7/mo.

Pick a username

Your email

Create a password

Use at least one lowercase letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We will send you account related emails occasionally.

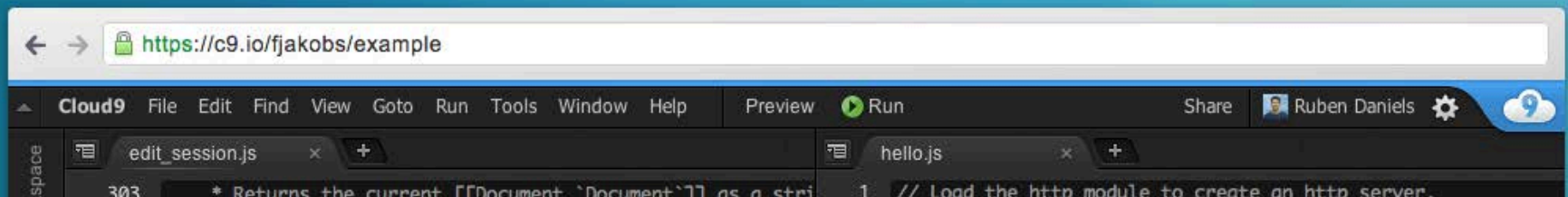
Setting Up Our Work Environments

- Sign into Cloud9 with your GitHub Account
- **c9.io**

[WEB](#)[BLOG](#)[PRICING](#)[SIGN IN](#)

Your development environment, in the cloud

Cloud9 combines a powerful online code editor with a full
Ubuntu workspace in the cloud

[SIGN UP](#)[LEARN MORE](#)

Setting Up Our Work Environments

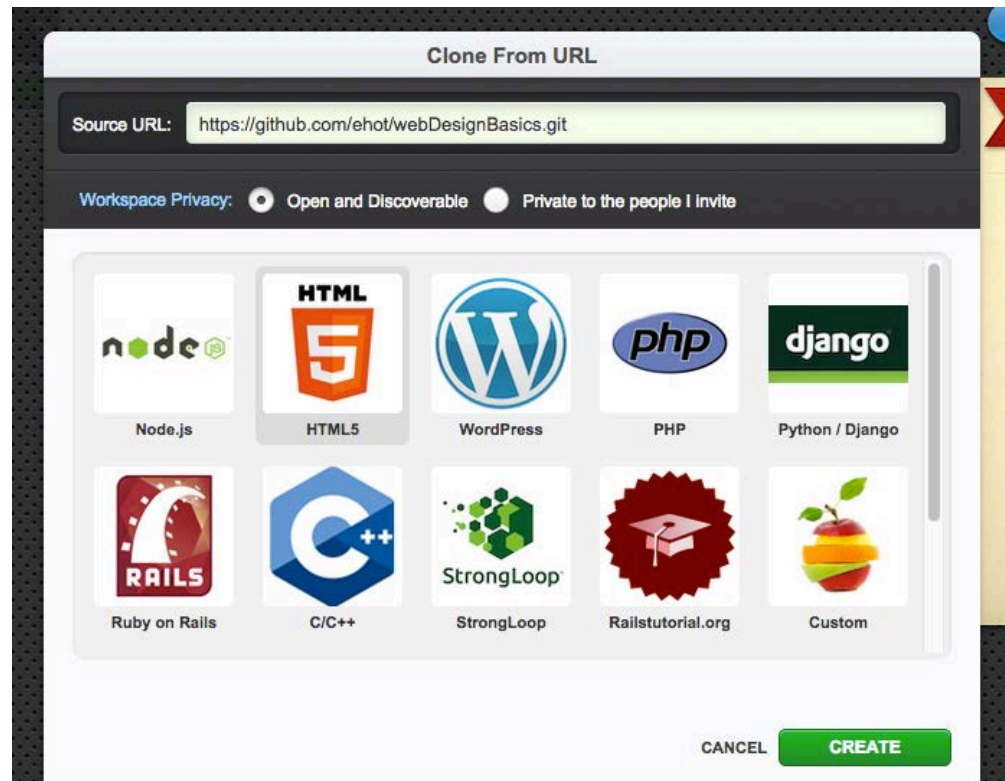
- Hover over **Create New Workspace** button
- Select **Clone From URL** option



Setting Up Our Work Environments

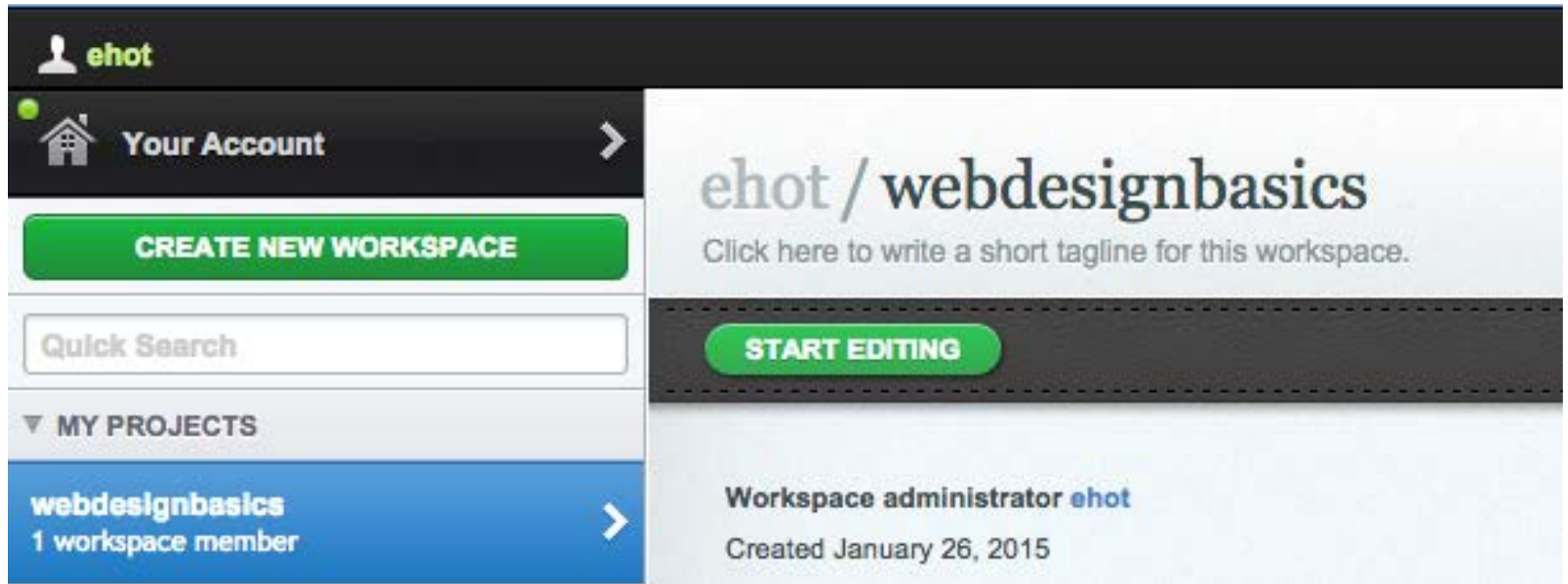
- Type in the Following URL and select HTML

<https://github.com/ehot/webDesignBasics.git>



Setting Up Our Work Environments

- Select the **Start Editing** button



Web Design Basics

February 28, 2015



What We Will Cover Today:



- HTML5 Markup
- Basic CSS
- Layout Creation
- Basic Web Design and Layouts
- Typography on the Web

Where do we use HTML / CSS?



- Content Management Systems (CMS)
- Corporate Websites
- Web Applications (Such as Online Banking)
- Blogs & Social Media
- Online Gaming
- Digital Advertisements

What Makes Up A Website?

HTML Hypertext Markup Language, a standardized system for tagging text files to achieve font, color, graphic, and hyperlink effects on World Wide Web pages.

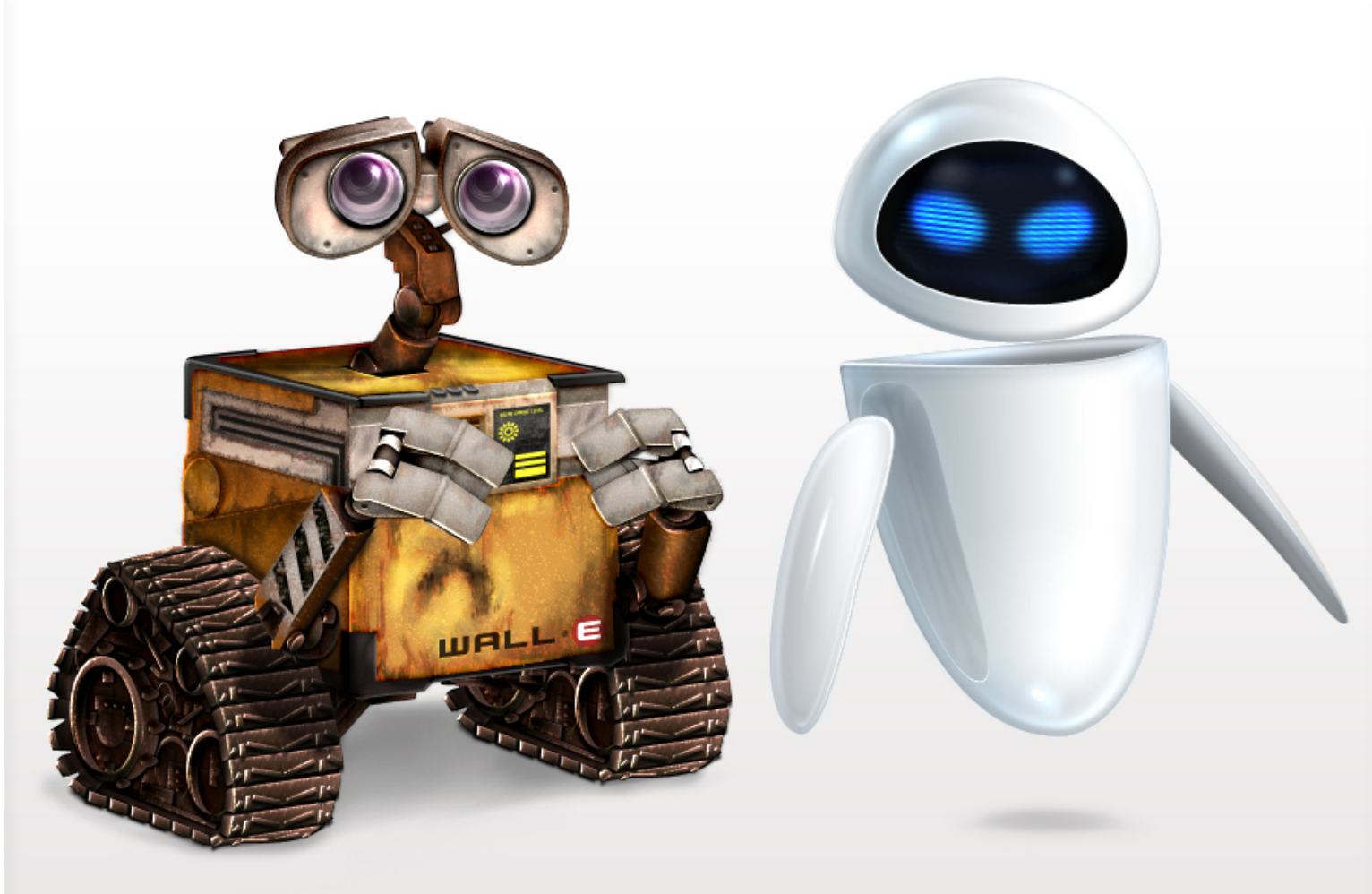
```
<body> content </body>
```

What Makes Up A Website?

CSS Cascading Style Sheets (CSS) is a style sheet language used for describing the look and formatting of a document written in a markup language.

```
body {  
    color: #000000;  
    background: white;  
}
```

Difference Between HTML and CSS

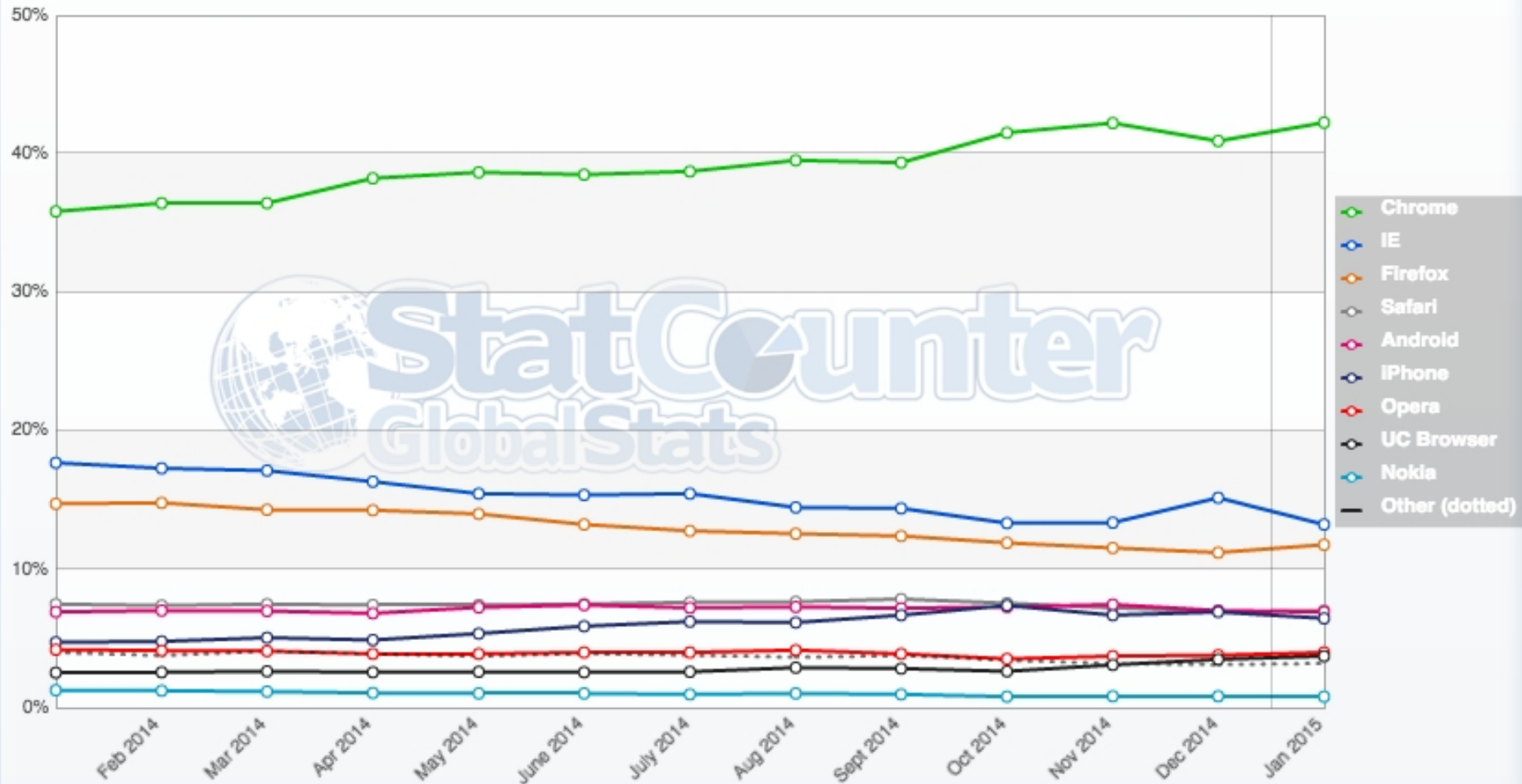


HTML

CSS

The Web in 2015

StatCounter Global Stats
Top 9 Browsers from Jan 2014 to Jan 2015



The Web in 2015



Don't Design for This



Design for This

HTML



What Makes Up a HTML Document?

<html>



<head>

</head>

<body>

</body>

What Makes Up a HTML Document?

```
<!DOCTYPE html>
<html>
  <head> ... </head>
  <body>
    content
  </body>
</html>
```

The <head> Tag

```
<head>
```

```
  <title>My Website</title>
```

```
  <link  
    rel="stylesheet"  
    media="screen"  
    href="styles.css">
```

```
</head>
```

The <body> Tag

```
<body>  
  <header> ... </header>  
  
  <main class="wrapper">  
    <div class="inner">  
      ...  
    </div>  
  </main>  
  
  <footer> ... </footer>  
</body>
```

Headings & Paragraphs

```
<body>
```

```
...
```

```
<h1>Heading One</h1>
```

```
<h2>Heading Two</h2>
```

```
<h3>Heading Three</h3>
```

```
<p>paragraph</p>
```

```
...
```

```
</body>
```

ELISE BLANCHARD

JOB TITLE

About

Nam rutrum sollicitudin ipsum a sodales. Nullam vitae quam id lorem sagittis ullamcorper ac et ante. Nam egestas arcu ut ante vulputate hendrerit. Duis id sem convallis, pharetra erat quis, molestie est. Suspendisse accumsan pellentesque lorem, non posuere nibh laoreet eget. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Praesent tempor felis nunc, ac convallis sem porttitor in. Sed in vehicula enim. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam porttitor diam et lacus posuere sollicitudin. Nulla rhoncus tempor ante, in imperdiet purus iaculis vel. Vivamus eu augue in quam gravida tempus sed quis arcu. Nam sed metus at nisl mattis convallis scelerisque at turpis. Nam et ultrices erat.

Experience

Job Title

Employer, 2015-2017

Job Title

Employer, 2013-2015

Education

Degree

School, 2009-2013

Degree

School, 2005-2009

Skills

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Contact for references.

ELISE BLANCHARD

JOB TITLE

About

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Experience

Job Title

Employer, 2015-2017

Job Title

Employer, 2013-2015

Headings & Paragraphs

```
<h1>Job Title</h1>
```

```
<h2>Section Heading</h2>
```

```
<p>paragraph</p>
```

```
<h2>Section Heading</h2>
```

```
<h3>Sub Heading </h3>
```

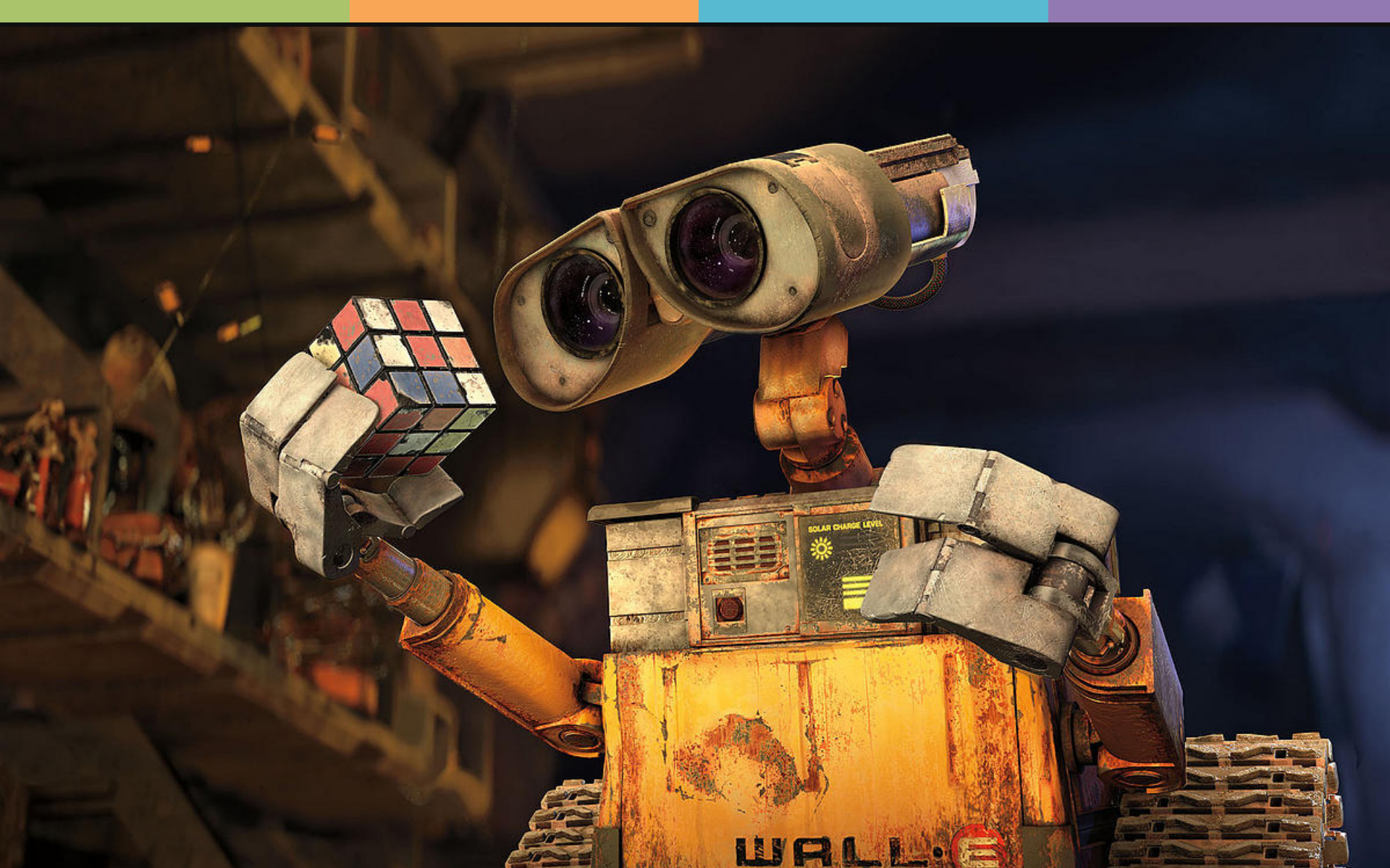
```
<p>paragraph</p>
```

Anchors (Links) Connect Everything!

```
<a href="#">link</a>
```

```
<a  
  href="http://www.google.com"  
  target="_blank"  
  title="Learn More">Link</a>
```


Let's write some HTML!



Web Fonts are Friends



Type Families & Web Fonts

Typefaces add personality and professionalism to a website. Only the fonts needed should be loaded into a website.

- Sans-Serif
- Serif
- Monospace
- *Script*
- ~~Handwriting~~
- ~~Silly Fonts~~

Choosing a Web Font

<https://www.google.com/fonts>

Normal 400

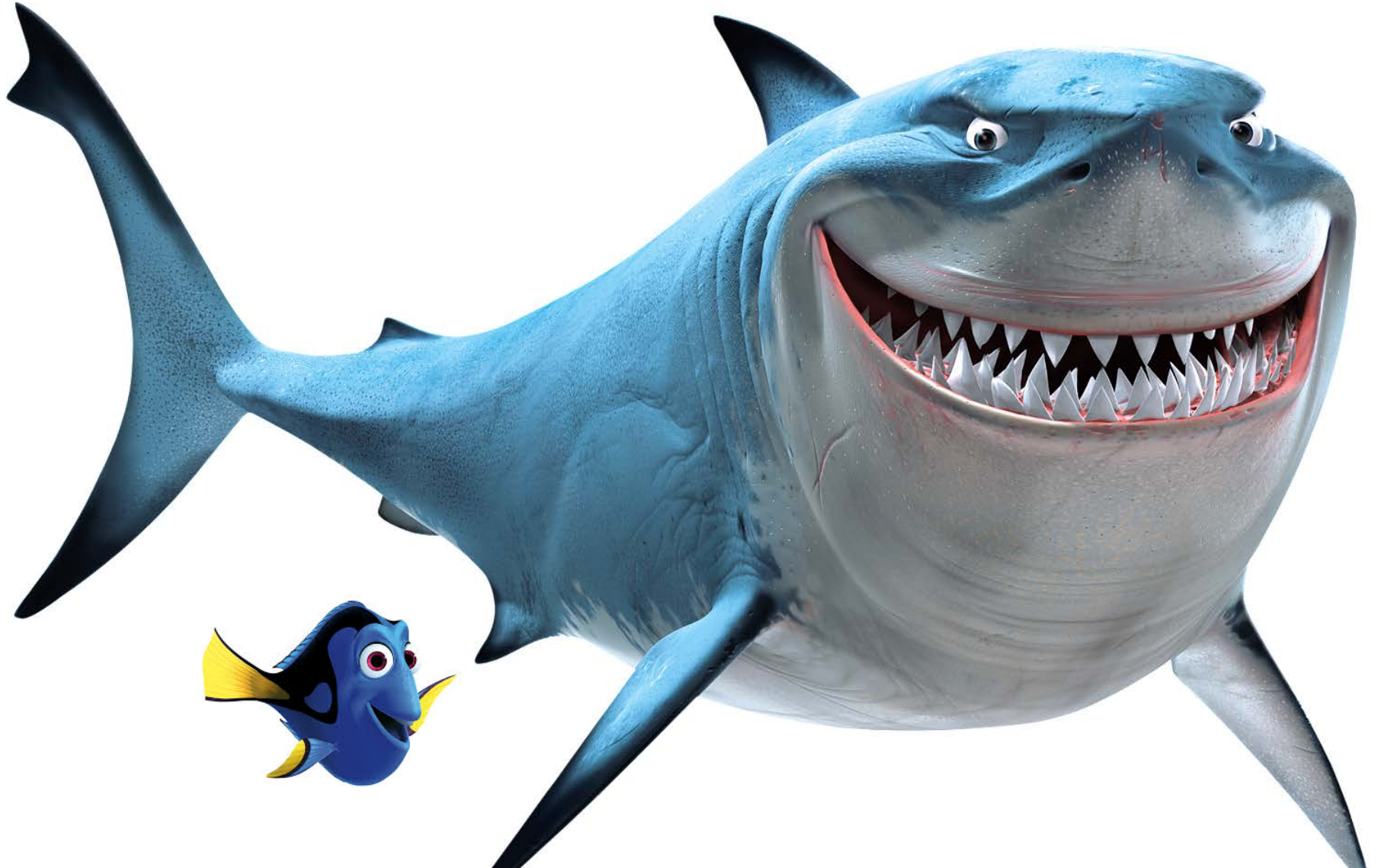
Grumpy wizards make toxic brew

Open Sans, 10 Styles b



Add to Collection

Fonts & Page Load



Fonts & Page Load

1. Choose the styles you want:

Open Sans

- ☒ Light 300
- ☐ Light 300 *Italic*
- ☒ Normal 400
- ☒ Normal 400 *Italic*
- ☐ Semi-Bold 600
- ☐ Semi-Bold 600 *Italic*
- ☒ Bold 700
- ☐ Bold 700 *Italic*
- ☐ Extra-Bold 800
- ☐ Extra-Bold 800 *Italic*

Grumpy wizards make toxic brew for the
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Grumpy wizards make toxic brew fo



Impact on page load time

Tip: Using many font styles can slow down your webpage, so only select the font styles that you actually need on your webpage.

GO



Collection (1 font family)

Choose

Review

Use

Implement the Fonts

Add the generated code inside the <head>

Standard

@import

Javascript

3. Add this code to your website:

```
<link href='http://fonts.googleapis.com/css?family=Open+Sans:4'
```

CSS



How to write CSS

```
selector {  
    attribute: value;  
}
```

```
body {  
    background: white;  
}
```

How to target HTML with CSS

You can directly style tags such as `HTML`, and `body` as well as elements like `h1` and `p`.

`.class` is used to target elements and can be reused.

`#id` also targets elements, but can not be reused. It is also very important.

Using Classes

HTML:

```
<main class="wrapper"></main>
```

CSS:

```
.wrapper { width: 100%; }
```

Common Attributes for Containers



width – width of a box

height – height of a box

margin – space around a box

padding – space inside a box



Common Attributes for Content



font-size – sets the font size

line-height – an invisible box around each letter.

color – color of your content

background – color or image for the background of your container



Link States

```
a { color: blue; }
```

```
a:hover { color: #00f; }
```

```
a:active { color: #0000ff; }
```

```
a:focus {color: rgba(0, 0, 255, 1);}
```

Let's write some CSS!



Thank You

