TEMPLATING

Eleventy's Superpower

Mike Aparicio
@peruvianidol

Google

Google Search   I'm Feeling Lucky

```html
<html>
  <head>
    <title>Mike Aparicio</title>
  </head>
  <body>

    <div class="header">
      <h1><a href="/">Mike Aparicio</a></h1>

      <ul>
        <li><b><a href="/">Home</a></b></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html">Blog</a></li>
      </ul>
    </div>

    <div class="main">
      ...
    </div>

    <div class="footer">
      <p>&copy; 1999 All your rights are belong to us</p>
    </div>

  </body>
</html>
```
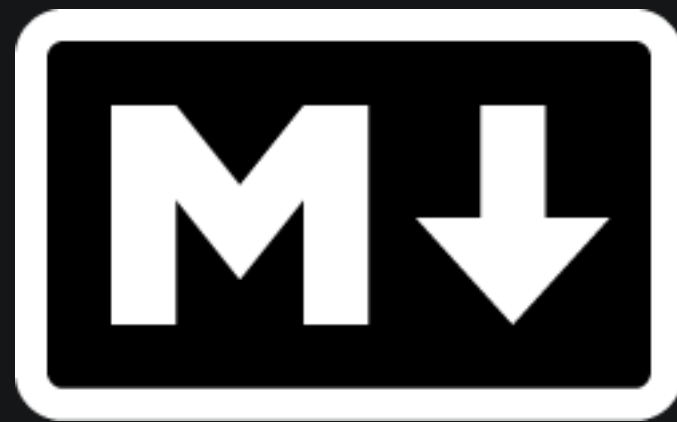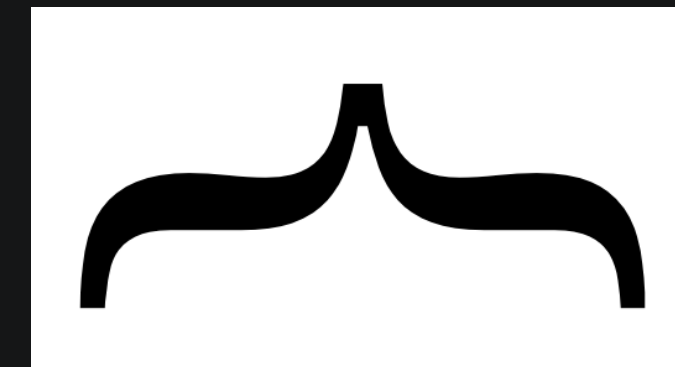
```php
<?php include("externals/header.php"); ?>

<div class="main">
    ...
</div>

<?php include("externals/footer.php"); ?>
```

Markdown (2004)

Liquid (2006)

HAML (2006)

Mustache (2009)

Pug (2010)

EJS (2010)

Handlebars (2011)

Nunjucks (2012)

Objects/Variables
Data storage

```
{{ page.title }}
```

Tags
Iterate over/conditionally display data

```
{% if page.title %}      {% for pages as page %}
...                      ...
{% endif %}              {% endfor %}
```
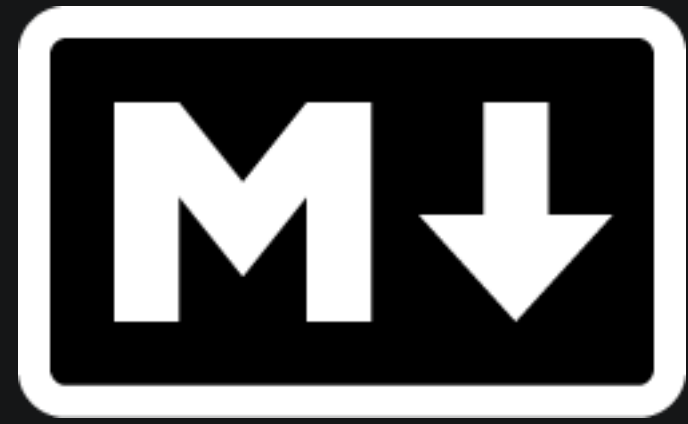
Filters
Apply functions to/manipulate data

```
{{ page.title | capitalize }}
```

Eleventy Template Languages

Markdown

Liquid

HAML

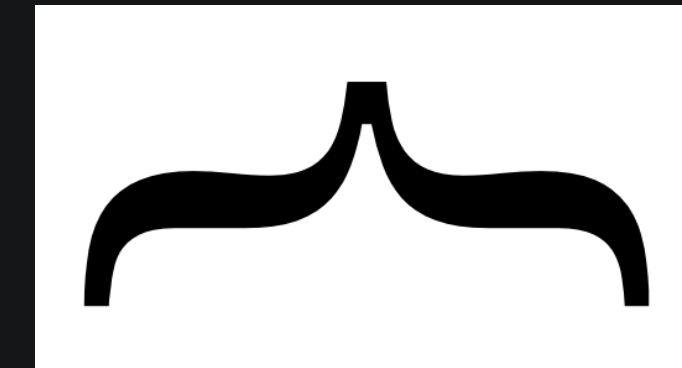Mustache

JavaScript
(as `11ty.js`)

Pug

EJS

Handlebars

Nunjucks

HTML
(as anything!)

```html
<html>
  <head>
    <title>Mike Aparicio</title>
    <meta name="description" content="An Eleventy demo site.">
  </head>
  <body>
    <header>
      <h1><a href="/">Mike Aparicio</a></h1>
    </header>
    <nav>
      <ul>
        <li><a href="/">Home</a></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html">Blog</a></li>
      </ul>
    </nav>

    <main>
      ...
    </main>

    <footer>
      <p>&copy; 2021 All your rights are belong to us</p>
    </footer>
  </body>
</html>
```

```
📁 _site
📁 _src
  📁 _data
  📁 _includes
     base.njk
  📁 assets
  📁 pages
.eleventy.js
.gitignore
package.json
README.md
```

```html
<html>
  <head>
    <title>Mike Aparicio</title>
    <meta name="description" content="An Eleventy demo site.">
  </head>
  <body>
    <header>
      <h1><a href="/">Mike Aparicio</a></h1>
    </header>
    <nav>
      <ul>
        <li><a href="/">Home</a></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html">Blog</a></li>
      </ul>
    </nav>

    <main>
      {{ content | safe }}
    </main>

    <footer>
      <p>&copy; 2021 All your rights are belong to us</p>
    </footer>
  </body>
</html>
```

```
📁 _site
📁 _src
   📁 _data
   📁 _includes
      base.njk
   📁 assets
   📁 pages
      home.html
.eleventy.js
.gitignore
package.json
README.md
```

```
---
layout: base
---


<p>Here's the content of our homepage.</p>
```

```
📁 _site
  📁 pages
    📁 home
      index.html
📁 _src
  📁 _data
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    home.html
.eleventy.js
.gitignore
package.json
README.md
```

```html
<html>
  <head>
    <title>Mike Aparicio</title>
    <meta name="description" content="An Eleventy demo site.">
  </head>
  <body>
    <header>
      <h1><a href="/">Mike Aparicio</a></h1>
    </header>
    <nav>
      <ul>
        <li><a href="/">Home</a></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html">Blog</a></li>
      </ul>
    </nav>

    <main>
      <p>Here's the content of our homepage.</p>
    </main>

    <footer>
      <p>&copy; 2021 All your rights are belong to us</p>
    </footer>
  </body>
</html>
```

```
📁 _site
📁 _src
   📁 _data
   📁 _includes
      base.njk
   📁 assets
   📁 pages
      home.html
.eleventy.js
.gitignore
package.json
README.md
```

```
---
layout: base
permalink: /
---

<p>Here's the content of our homepage.</p>
```

```
📁 _site
  index.html
📁 _src
  📁 _data
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    home.html
.eleventy.js
.gitignore
package.json
README.md
```

```html
<html>
  <head>
    <title>Mike Aparicio</title>
    <meta name="description" content="An Eleventy demo site.">
  </head>
  <body>
    <header>
      <h1><a href="/">Mike Aparicio</a></h1>
    </header>
    <nav>
      <ul>
        <li><a href="/">Home</a></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html">Blog</a></li>
      </ul>
    </nav>

    <main>
      <p>Here's the content of our homepage.</p>
    </main>


    <footer>
      <p>&copy; 2021 All your rights are belong to us</p>
    </footer>
  </body>
</html>
```

```
📁 _site
📁 _src
   📁 _data
   📁 _includes
      base.njk
   📁 assets
   📁 pages
      about.html
      home.html
.eleventy.js
.gitignore
package.json
README.md
```

```
---
layout: base
permalink: /about/
title: "About"
---

<p>Here's the content of our About page.</p>
```

📁 _site
📁 _src
  📁 _data
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    about.html
    home.html
    pages.json
.eleventy.js
.gitignore
package.json
README.md

```json
{
  "layout": "base",
  "permalink": "/{{ title | slug }}/"
}
```

```
📁 _site
📁 _src
    📁 _data
    📁 _includes
       base.njk
    📁 assets
    📁 pages
       about.html
       home.html
       pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```
---
title: "About"
---

<p>Here's the content of our About page.</p>
```

```
📁 _site
  📁 about
     index.html
📁 _src
  📁 _data
  📁 _includes
     base.njk
  📁 assets
  📁 pages
     about.html
     home.html
     pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```html
<html>
  <head>
    <title>Mike Aparicio</title>
    <meta name="description" content="An Eleventy demo site.">
  </head>
  <body>
    <header>
      <h1><a href="/">Mike Aparicio</a></h1>
    </header>
    <nav>
      <ul>
        <li><a href="/">Home</a></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html">Blog</a></li>
      </ul>
    </nav>

    <main>
      <p>Here's the content of our About page.</p>
    </main>

    <footer>
      <p>&copy; 2021 All your rights are belong to us</p>
    </footer>
  </body>
</html>
```

```
📁 _site
📁 _src
   📁 _data
      site.json
   📁 _includes
      base.njk
   📁 assets
   📁 pages
      about.html
      home.html
      pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```json
{
  "name": "Mike Aparicio",
  "description": "An Eleventy demo site."
}
```

```
📁 _site
📁 _src
   📁 _data
      site.json
   📁 _includes
      base.njk
   📁 assets
   📁 pages
      about.html
      home.html
      pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```html
<html>
  <head>
    <title>
      {{ site.name }}{% if title %} - {{ title }}{% endif %}
    </title>
    <meta name="description" content="
      {% if description %}
        {{ description }}
      {% else %}
        {{ site.description }}
      {% endif %}">
  </head>
  <body>
    ...
  </body>
</html>
```

```
📁 _site
📁 _src
   📁 _data
      site.json
   📁 _includes
      base.njk
   📁 assets
   📁 pages
      about.html
      home.html
      pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```
---
title: "About"
description: "The About page."
---

<p>Here's the content of our About page.</p>
```

```
📁 _site                  <html>
  📁 about                  <head>
    index.html  ━━━━▶         <title>Mike Aparicio - About</title>
  📁 _src                     <meta name="description" content="The About page.">
    📁 _data                </head>
      site.json           <body>
    📁 _includes             <header>
      base.njk                 <h1><a href="/">Mike Aparicio</a></h1>
    📁 assets                </header>
    📁 pages                 <nav>
      about.html               <ul>
      home.html                  <li><a href="/">Home</a></li>
      pages.json                 <li><a href="/about.html">About</a></li>
  .eleventy.js                   <li><a href="/blog.html">Blog</a></li>
  .gitignore                   </ul>
  package.json             </nav>
  README.md

                           <main>
                             <p>Here's the content of our About page.</p>
                           </main>


                           <footer>
                             <p>&copy; 2021 All your rights are belong to us</p>
                           </footer>
                         </body>
                       </html>
```

```
📁 _site
📁 _src
  📁 _data
    nav.json
    site.json
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    about.html
    home.html
    pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```json
{
  "items": [
    {
      "url": "/",
      "name": "Home"
    },
    "url": "/about/",
    "name": "About"
    },
    "url": "/blog/",
    "name": "Blog"
    }
  ]
}
```

```
📁 _site
📁 _src
  📁 _data
    nav.json
    site.json
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    about.html
    home.html
    pages.json
  .eleventy.js
  .gitignore
  package.json
  README.md
```

```
<html>
  <head>
    ...
  </head>
  <body>
    <header>
      <h1>{{ site.name }}</h1>
    </header>
    <nav>
      <ul>
        {% for item in nav.items %}
          <li><a href="{{ item.url }}"
            {% if item.url === page.url %}
              aria-current="page" data-state="active"
            {% endif %}
            >{{ item.name }}</a>
          </li>
        {% endfor %}
      </ul>
    </nav>

    ...

  </body>
</html>
```

```
📁 _site                    <html>
  📁 about                    <head>
    index.html                  <title>Mike Aparicio - About</title>
  📁 _src                       <meta name="description" content="The About page.">
    📁 _data                  </head>
      nav.json                <body>
      site.json                 <header>
    📁 _includes                  <h1><a href="/">Mike Aparicio</a></h1>
      base.njk                  </header>
    📁 assets                   <nav>
    📁 pages                      <ul>
      about.html                    <li><a href="/">Home</a></li>
      home.html        ➡️           <li><a href="/about.html" aria-current="page" data-state="active">About</a></li>
      pages.json                    <li><a href="/blog.html">Blog</a></li>
  .eleventy.js                    </ul>
  .gitignore                  </nav>
  package.json
  README.md                   <main>
                                <p>Here's the content of our About page.</p>
                              </main>


                              <footer>
                                <p>&copy; 2021 All your rights are belong to us</p>
                              </footer>
                            </body>
                          </html>
```

Me still trying to process 2020

2022 in 5 months

```
📁 _site
📁 _src
  📁 _data
    nav.json
    site.json
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    about.html
    home.html
    pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```js
module.exports = function(eleventyConfig) {

    eleventyConfig.addShortcode("year", () =>
        `${new Date().getFullYear()}`
    );

};
```

https://11ty.rocks/eleventyjs/dates/#year-shortcode

```
📁 _site
📁 _src
  📁 _data
    nav.json
    site.json
  📁 _includes
    base.njk
  📁 assets
  📁 pages
    about.html
    home.html
    pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```html
<html>
  <head>
    ...
  </head>
  <body>
    <header>
      <h1><a href="/">{{ site.name }}</a></h1>
    </header>
    <nav>
      <ul>
        {% for item in nav.items %}
          ...
        {% endfor %}
      </ul>
    </nav>


    <main>
      {{ content | safe }}
    </main>


    <footer>
      <p>&copy; {{ year }} All your rights are belong to us</p>
    </footer>


  </body>
</html>
```

```
📁 _site
📁 _src
  📁 _data
  📁 _includes
  📁 assets
  📁 blog
     first-entry.md
  📁 pages
.eleventy.js
.gitignore
package.json
README.md
```

Markdown

```markdown
---
title: "Blog Entry #1"
layout: base
permalink: /blog/{{ title | slug }}/
description: "This is my first blog post."
---

## {{ title }}

Lorem ipsum dolor sit **amet consectetur** adipisicing elit. Voluptatibus facilis
reiciendis dolores molestias, perferendis dolore odio, quia ratione aliquam vero
quo praesentium! Ut quo, [fugiat maiores](https://11ty.dev) ipsum voluptate
commodi neque!

- Markdown
- Liquid
- HAML
- Mustache
- Pug
- EJS
- Handlebars
- Nunjucks

Lorem ipsum dolor sit amet consectetur adipisicing elit. Architecto ullam
officiis sit quo reprehenderit expedita, inventore enim cum consectetur?
```

📁 _site
📁 _src
  📁 _data
  📁 _includes
  📁 assets
  📁 blog
    blog.json
    first-entry.md
  📁 pages
.eleventy.js
.gitignore
package.json
README.md

```json
{
  "layout": "blog",
  "permalink": "/blog/{{ title | slug }}/",
  "tags": "posts"
}
```

```
📁 _site
📁 _src
  📁 _data
  📁 _includes
    base.njk
    blog.njk
  📁 assets
  📁 blog
    blog.json
    first-entry.md
  📁 pages
.eleventy.js
.gitignore
package.json
README.md
```

```
---
layout: base
---

<article>
  {{ content | safe }}
</article>
```

```
📁 _site
📁 _src
   📁 _data
   📁 _includes
      base.njk
      blog.njk
   📁 assets
   📁 blog
      blog.json
      first-entry.md
      second-entry.md
      third-entry.md
   📁 pages
.eleventy.js
.gitignore
package.json
README.md
```

```
---
title: "Blog Entry #3"
description: "This is my third blog post."
---


Lorem ipsum dolor sit amet, consectetur adipisicing elit. Cumque animi delectus
laboriosam, dicta exercitationem magni vel hic perferendis consequuntur nisi,
quasi ut commodi corrupti praesentium ad consequatur at! Dignissimos, nam?
```

```
📁 _site
📁 _src
   📁 _data
   📁 _includes
   📁 assets
   📁 blog
   📁 pages
      about.html
      blog.html
      home.html
      pages.json
.eleventy.js
.gitignore
package.json
README.md
```

```
---
title: "Blog"
description: "The Blog page."
---

<ul>
{% for post in collections.posts %}
  <li><a href="{{ post.url }}">{{ post.data.title }}</a></li>
{% endfor %}
</ul>
```

```
📁 _site
  📁 blog
    index.html
📁 _src
  📁 _data
  📁 _includes
  📁 assets
  📁 blog
  📁 pages
    about.html
    blog.html
    home.html
    pages.json
  .eleventy.js
  .gitignore
  package.json
  README.md
```

```html
<html>
  <head>
    <title>Mike Aparicio - Blog</title>
    <meta name="description" content="The Blog page.">
  </head>
  <body>
    ...
    <nav>
      <ul>
        <li><a href="/">Home</a></li>
        <li><a href="/about.html">About</a></li>
        <li><a href="/blog.html" aria-current="page" data-state="active">Blog</a></li>
      </ul>
    </nav>
    <main>
      <h2>Blog</h2>
      <ul>
        <li><a href="/blog/blog-entry-1">Blog Entry #1</a></li>
        <li><a href="/blog/blog-entry-2">Blog Entry #2</a></li>
        <li><a href="/blog/blog-entry-3">Blog Entry #3</a></li>
      </ul>
    </main>
    ...
  </body>
</html>
```

An Incomplete List of Headless CMSs

Agility CMS

Bloomreach

Bold (Quintype)

Butter CMS

Cockpit CMS

Contentful*

Contentstack

Core dna

CoreMedia Content Cloud

Cosmic JS

Craft CMS*

Crownpeak

Dato CMS

Directus

DNN Evoq Content

dotCMS

Episerver

eZ Platform

FirstSpirit (e-Spirit)

GraphCMS

Ingeniux CMS

Kontent.ai (Kentico)

Liferay

Magnolia CMS

Mura

Netlify CMS*

Prismic.io*

Sanity*

Scrivito

Sitecore

Sitefinity

Solodev

Strapi*

Zesty.io

* services Mike actually heard of before preparing this talk, fwiw

THANK YOU!

Eleventy Resources

11ty.dev
11ty.recipes
11ty.rocks
piccalil.li/course/learn-eleventy-from-scratch/
github.com/peruvianidol/11ty-starter

Slides

idol.pe/template-talk

Code

github.com/peruvianidol/template-talk

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