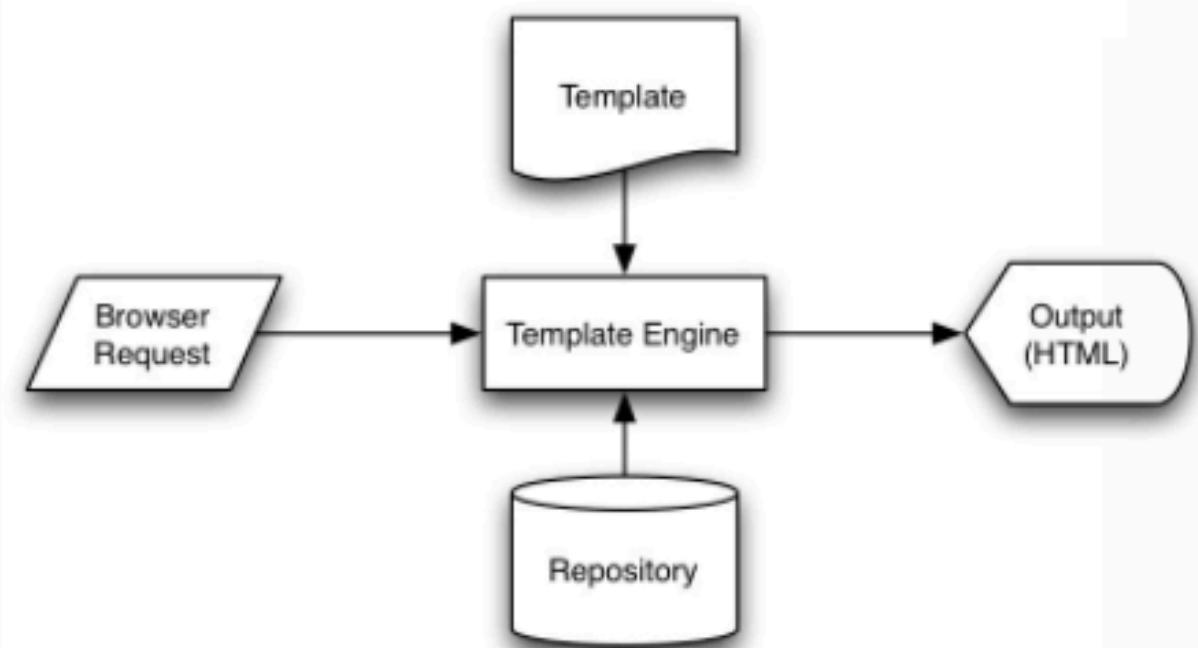


# Templates



dry · wet · nunjucks ·  
partials · includes · layouts  
· paths · compile



## Welcome to the App Bundle Store

Home Apps Directions

This store brings you *great app bundles* week after week. We select the best power user apps from a broad range of suppliers and combine them into great deals. These are the highest quality apps from the best publishers, at great prices.

Whether you are interested in gaming or graphics design, software development or media production - we have the bundle for you. Each [app bundle](#) is designed to compliment the others, delivering you an exciting take on a scene.

 Our guarantee: at the store, we're committed to providing you, with an exceptional quality and reliability. Every application is checked in detail for stability, usability and inter-operability. If you are unhappy with any individual app in a bundle we will refund you the full amount for the complete suite, no questions asked.

### Favourites

These are some of our favourites

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- Webstorm by Idea
- Sublime, by sublimetext.com
- Desktop Utility by Sweet Productions

### Favourites

We will be reviewing these favourites in the coming weeks, so please check in again to find out why these are our favourite apps.

Why not come in and walk around the store? Directions are included below.

Contact us at : [bundle@store.com](mailto:bundle@store.com), or visit us: [directions](#)

### Weekly Deals

#### Business Bundle

Here comes the next bundle for march.



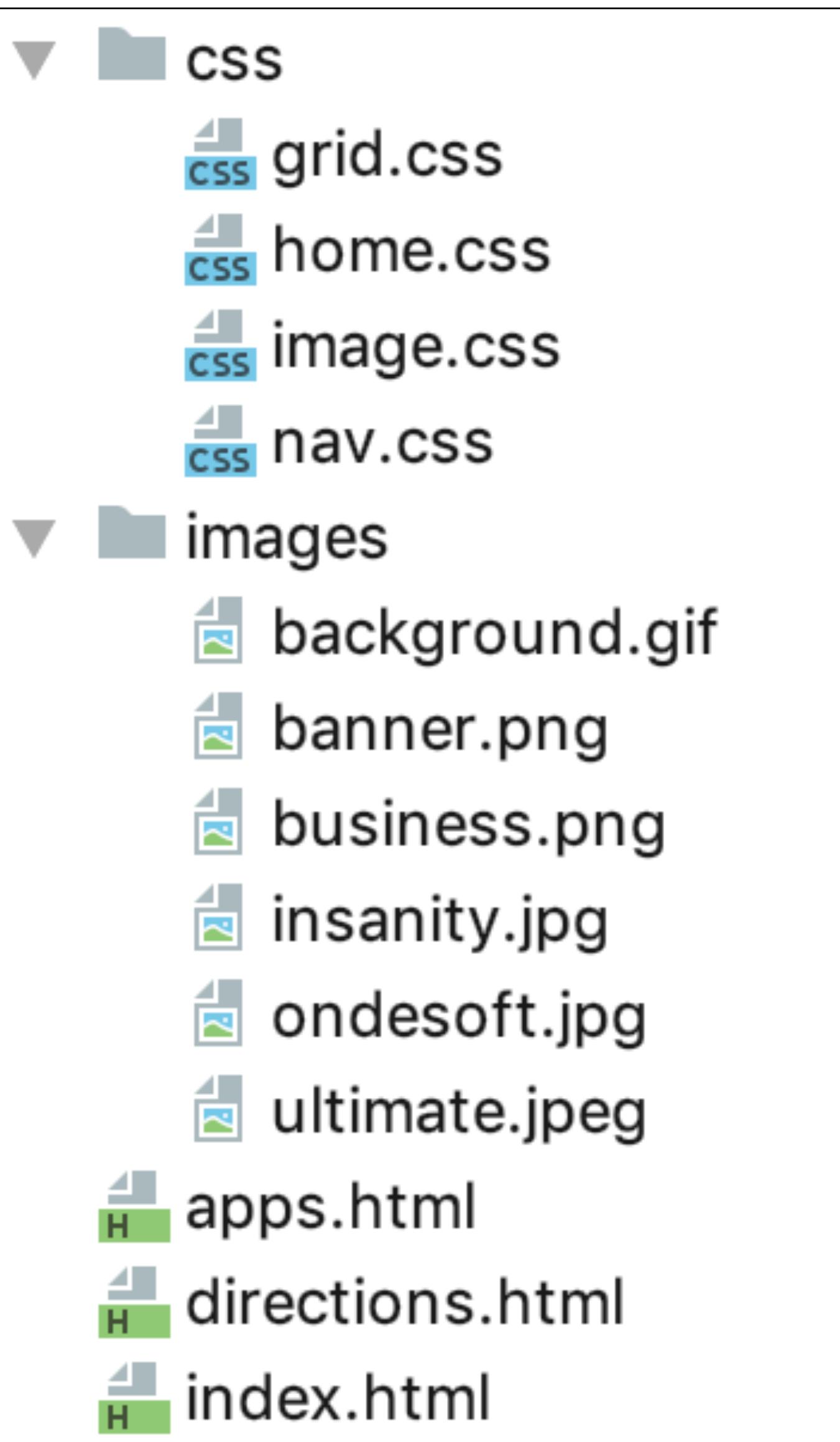
This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

#### Insanity Deal



With the new €5 Insanity Deals from

Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, as there are multiple apps for only €5 each, one new per day, for the days to come.



# Templates Why?

Welcome to the App Bundle Store

Home Apps Directions

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- Desktop Utility by Sweet Productions

**Favourites**

We will be reviewing these favourites in the coming weeks to find out why these are our favourite apps.

Why not come in and walk around the store? Directions

Contact us at : bundle@store.com, or visit us:

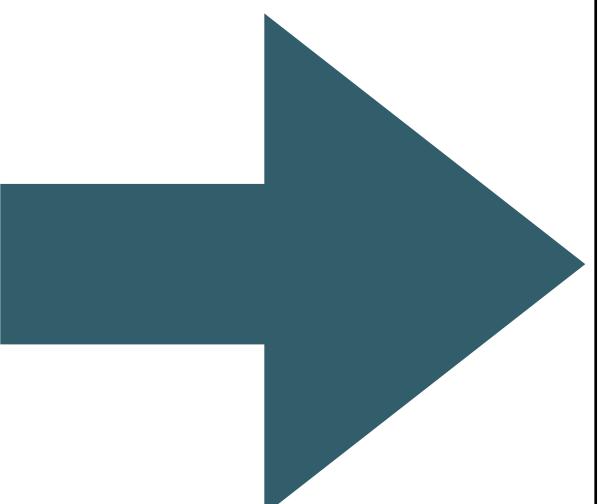
css

- grid.css
- home.css
- image.css
- nav.css

images

- background.gif
- banner.png
- business.png
- insanity.jpg
- ondesoft.jpeg
- ultimate.jpeg
- apps.html
- directions.html
- index.html

- This web site has 3 pages.
- Each page has:
  - Head Section
  - Body Section
- Each Body Section has
  - Header
  - Footer



```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Bundle APP Store</title>
    <link rel="stylesheet" href=".css/home.css">
  </head>
  <body>
    
    <div class="container">
      <div id="header">...</div>
      <div id="navigation">...</div>
      <div id="maincontent">...</div>
      <div id="footer">...</div>
    </div>
  </body>
</html>
```

- 3 Identical Head Section
- 3 Identical Header's
- 3 Identical Footer's
- repeated sections in each file (<head> <body> etc...)

- Its got its own Wikipedia Page!

# Don't repeat yourself

From Wikipedia, the free encyclopedia

In software engineering, **don't repeat yourself (DRY)** is a principle of software development, aimed at reducing repetition of information of all kinds, especially useful in multi-tier architectures. The DRY principle is stated as “Every piece of knowledge must have a single, unambiguous, authoritative representation within a system.” The principle has been formulated by [Andy Hunt](#) and [Dave Thomas](#) in their book *The Pragmatic Programmer*, coauthored with [Dennis Ritchie](#) and [Francisco Granados](#). They apply it quite broadly to include “[database schemas](#), [test plans](#), [the build system](#), even [documentation](#).”<sup>[1]</sup> When the DRY principle is applied successfully, a modification of any single element of a system does not require a change in other logically unrelated elements. Additionally, elements that are logically related all change predictably and uniformly, and are thus kept in sync. Besides using [methods](#) and [subroutines](#) in their code, Thomas and Hunt rely on [code generators](#), automatic build systems, and scripting languages to observe the DRY principle across layers.

## Contents [hide]

- [1 DRY vs WET solutions](#)
- [2 See also](#)
- [3 References](#)
- [4 External links](#)

## DRY vs WET solutions [edit]

Violations of DRY are typically referred to as **WET** solutions, which is commonly taken to stand for either “write everything twice” or “we enjoy typing”.<sup>[2][3]</sup>

[https://en.wikipedia.org/wiki/Don%27t repeat yourself](https://en.wikipedia.org/wiki/Don%27t_repeat_yourself)

# Dry vs WET

Dont Repeat Yourself  
VS  
Write Everything Twice  
OR  
We Enjoy Typing

```
<div id="header">
  <h1>Welcome to the App Bundle Store</h1>
</div>
<div id="header">
  <h1>Welcome to the App Bundle Store</h1>
<>
  <div id="header">
    <h1>Welcome to the App Bundle Store</h1>
  </div>
```

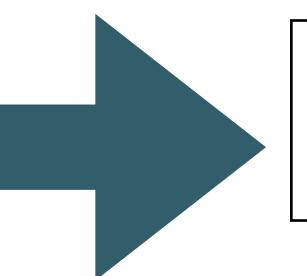
```
<div id="footer">
  <p>
    Contact us at : bundle@store.com or visit us: <a href="directions.html"> directions </a>
  </p>
</div>
<div id="footer">
  <p>
    Contact us at : bundle@store.com, or visit us: <a href="directions.html"> directions </a>
  </p>
</div>
<div id="footer">
  <p>
    Contact us at : bundle@store.com, or visit us: <a href="directions.html"> directions </a>
  </p>
</div>
```

# Dry: Single Header + Footer **Template**

Incorporate the SAME single header/footer in all pages

```
<div id="header">
  <h1>Welcome to the App Bundle Store</h1>
</div>

<div id="header">
  <h1>Welcome to the App Bundle Store</h1>
  <div id="header">
    <h1>Welcome to the App Bundle Store</h1>
  </div>
```



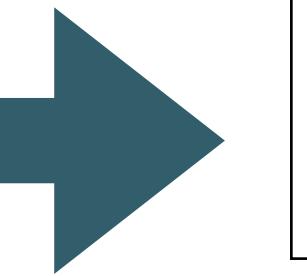
```
<div id="header">
  <h1>Welcome to the App Bundle Store</h1>
</div>
```

Any updates made once to single header/footer

```
<div id="footer">
  <p>
    Contact us at : bundle@store.com or visit us: <a href="directions.html"> directions </a>
  </p>
</div>

<div id="footer">
  <p>
    Contact us at : bundle@store.com, or visit us: <a href="directions.html"> directions </a>
  </p>
</div>

<div id="footer">
  <p>
    Contact us at : bundle@store.com, or visit us: <a href="directions.html"> directions </a>
  </p>
</div>
```



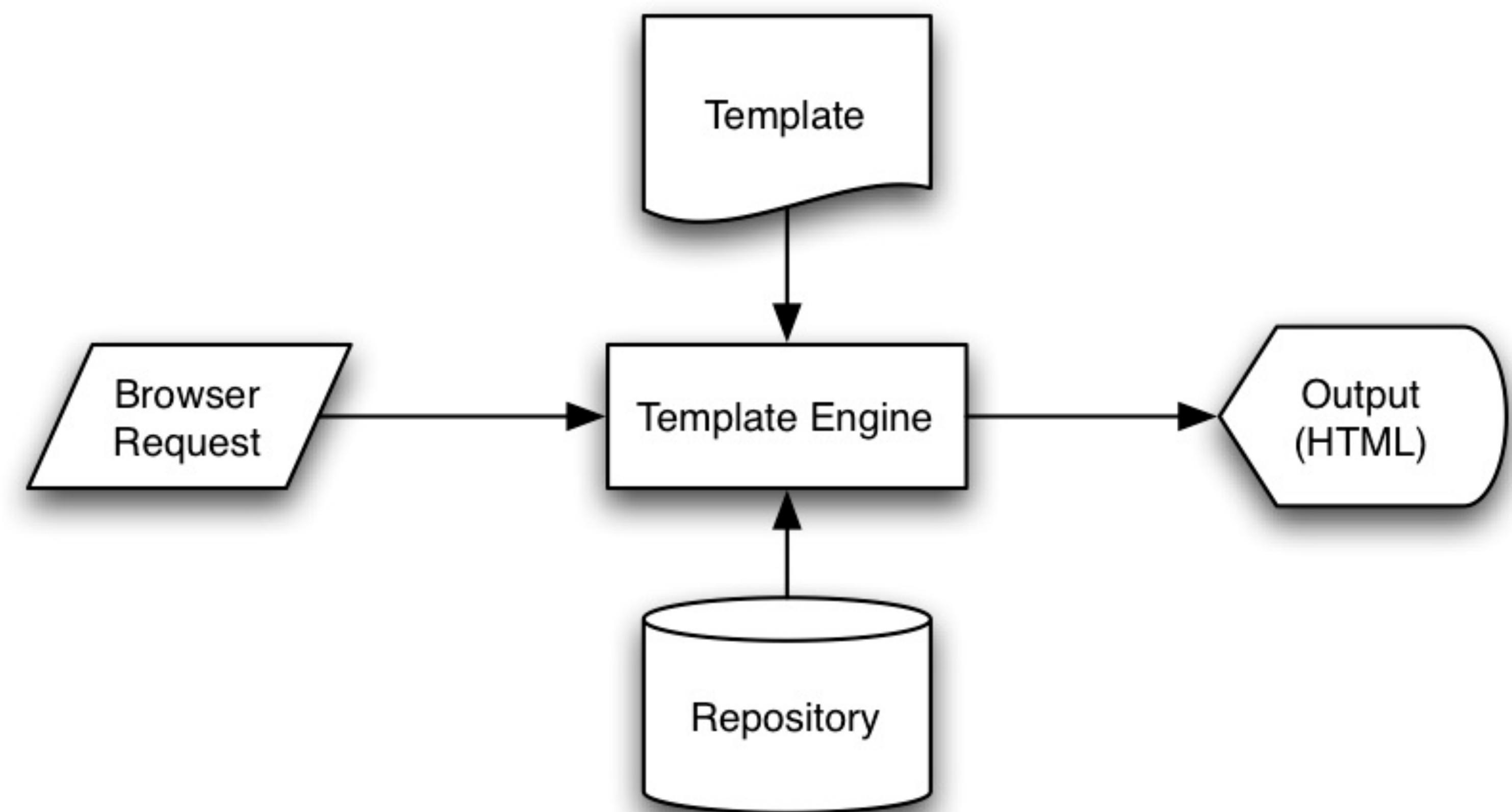
```
<div id="footer">
  <p>
    Contact us at : bundle@store.com, or visit us: <a href="directions.html"> directions </a>
  </p>
</div>
```

# Web Template System

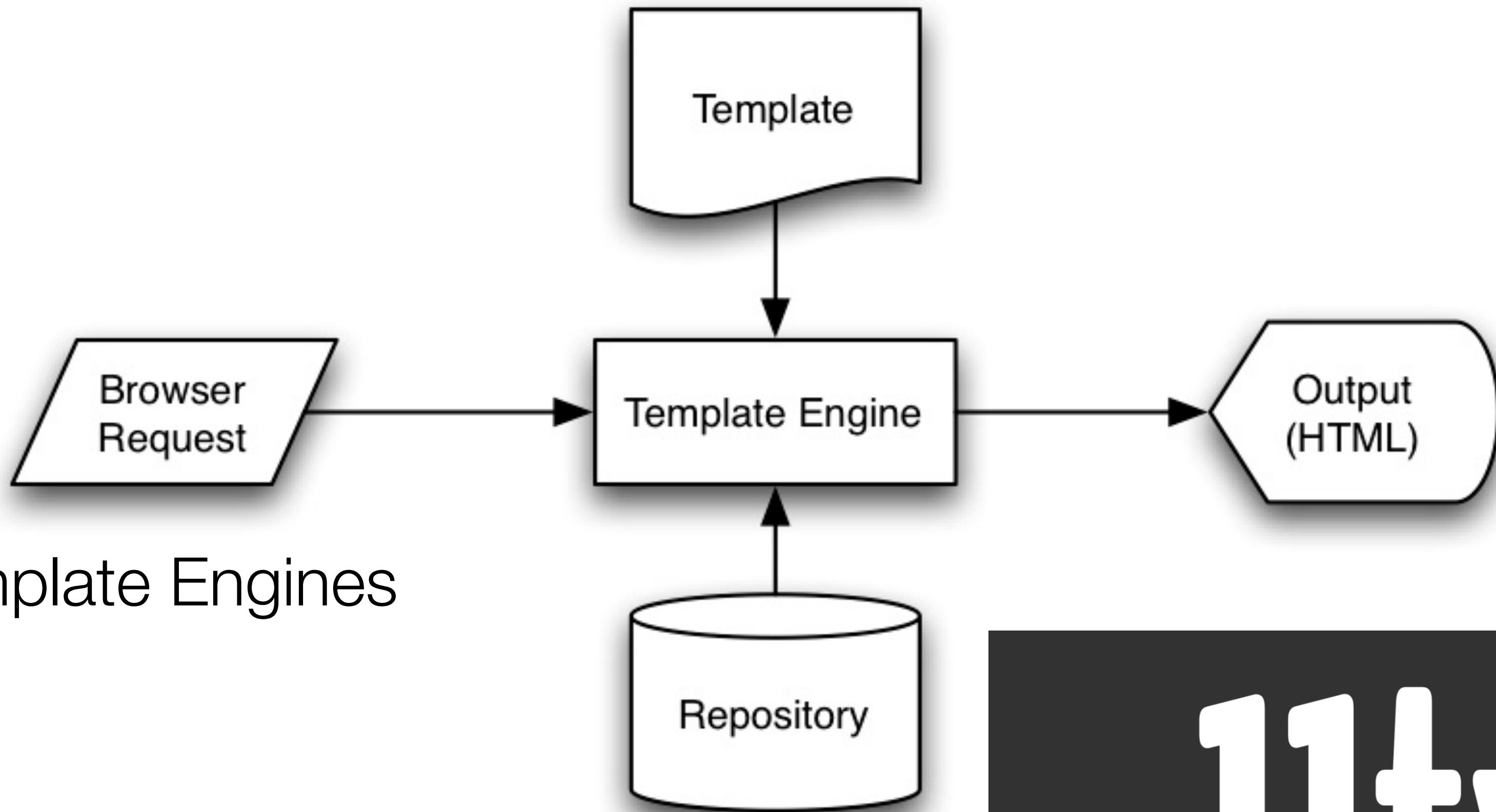
*“A web template system uses a template processor to combine web templates to form finished web pages, possibly using some data source to customize the pages or present a large amount of content on similar-looking pages. It is a web publishing tool present in content management systems, web application frameworks, and HTML editors.”*

The image shows two side-by-side screenshots of software interfaces. The left screenshot is for 'Eleventy & Netlify' and features a large '11ty' logo in white on a dark background. Below the logo, the text 'command prompt · node · eleventy · netlify' is visible. The right screenshot is for 'Lab-05a Eleventy' and features a cartoon illustration of a small animal holding a red balloon.

[https://en.wikipedia.org/wiki/Web\\_template\\_system](https://en.wikipedia.org/wiki/Web_template_system)



# Eleventy



- Eleventy includes Template Engines
- It ‘serves’ the site
- If *Request* is for ordinary page the page is ‘rendered’ without modification
- If *Request* is for a page that is composed of templates, harp assembles the page and renders the complete page to the browser



Eleventy, a simpler static site generator.

- Templating Engine used by 11ty (one of several alternatives)
- We need just a small subset of its features:



- Layouts
- Includes
- Rename files:
- **.html -> .njk**

You've been looking for a more sophisticated templating engine for JavaScript. Here it is.

- **Rich** Powerful language with block inheritance, autoescaping, macros, asynchronous control, and more. Heavily inspired by [jinja2](#)
- **Fast & Lean** High-performant. Small 8K gzipped runtime with precompiled templates in the browser
- **Extensible** Crazy extensible with custom filters and extensions
- **Everywhere** Available in node and all modern web browsers, with thorough precompilation options

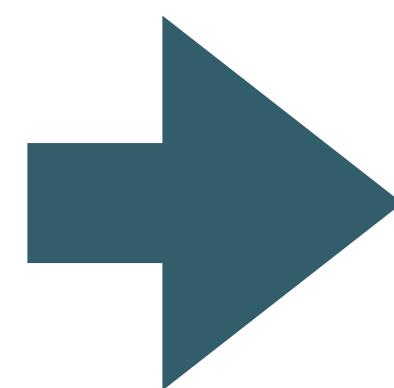
```
{% extends "base.html" %}

{% block header %}
<h1>{{ title }}</h1>
{% endblock %}

{% block content %}
<ul>
  {% for name, item in items %}
    <li>{{ name }}: {{ item }}</li>
  {% endfor %}
</ul>
{% endblock %}
```

## WET Version

```
└ bundle-store
    └ apps.html
    └ css
        └ grid.css
        └ home.css
        └ image.css
        └ nav.css
    └ directions.html
    └ images
        └ background.gif
        └ banner.png
        └ business.png
        └ insanity.jpg
        └ ondesoft.jpg
        └ ultimate.jpeg
    └ index.html
```



## DRY Version

```
└ bundle-store
    └ _includes
        └ header.njk
        └ footer.njk
        └ layout.njk
        └ sidebar.njk
    └ apps.njk
    └ css
        └ grid.css
        └ home.css
        └ image.css
        └ nav.css
    └ directions.njk
    └ images
        └ background.gif
        └ banner.png
        └ business.png
        └ insanity.jpg
        └ ondesoft.jpg
        └ ultimate.jpeg
    └ index.njk
```

Overall - more files,  
but less content

Reusable templates  
(partials & layout) included  
in various pages

No change to CSS

Reworked  
using templates



## Welcome to the App Bundle Store

Home

Apps

Directions

This store brings you *great app bundles* week after week. We select the best power user apps from a broad range of suppliers and combine them into great deals. These are the highest quality apps from the best publishers, at great prices.

Whether you are interested in gaming or graphics design, software development or media production - we have the bundle for you. Each app bundle is designed to compliment the others, delivering you an exciting take on a scene.



*Our guarantee: at the store, we're committed to providing you, with an exceptional quality and reliability. Every application is checked in detail for stability, usability and inter-operability. If you are unhappy with any individual app in a bundle we will refund you the full amount for the complete suite, no questions asked.*

### Favourites

These are some of our favourites

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### Weekly Deals

#### Business Bundle

Here comes the next bundle for march.



This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

#### Insanity Deal



With the new €5 Insanity Deals from

Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, as there are multiple apps for only €5 each, one new per day, for the days to come.



layout.njk

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header.njk



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index.njk

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footer.njk

Contact us at : [bundle@store.com](mailto:bundle@store.com), or visit us: [directions](#)

layout.njk

### Weekly Deals

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sidebar.njk

## header.njk

```
<div id="header">
  <h1>Welcome to the App Bundle Store</h1>
</div>
```



## Welcome to the App Bundle Store

Home Apps Directions

## index.njk

```
---
layout: layout.njk
---
<div id="navigation">
  <ul id="menu">
    <li class="active"><a href="/">Home</a></li>
    <li><a href="/apps">Apps</a></li>
    <li><a href="/directions">Directions</a></li>
  </ul>
</div>
```

```
<div id="maincontent">
  <div id="primary">
    <p>
```

This store brings you **great app bundles** week after week. We select the best power user apps from a broad range of suppliers and combine them into great deals. These are the highest quality apps from the best publishers, at great prices.

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- Webstorm by Idea
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- Desktop Utility by Sweet Productions

### Favourites

We will be reviewing these favourites in the coming weeks, so please check in again to find out what's new.

## footer.njk

```
<div id="footer">
  <p>Contact us at : bundle@store.com, or visit us: <a href="directions">Directions</a></p>
```

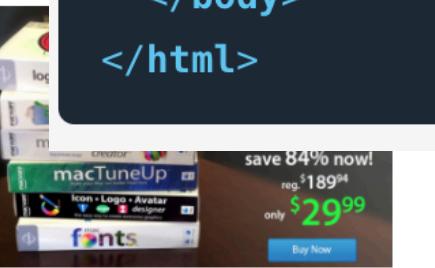
## layout.njk

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Bundle APP Store</title>
    <link rel="stylesheet" href="/css/home.css">
  </head>
  <body>
    
    <div class="container">
      {% include "header.njk" %}
      {{ content | safe }}
      {% include "footer.njk" %}
    </div>
  </body>
</html>
```

### Weekly Deal

#### Business Bundle

Here comes the next bundle for march.



This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

### sidebar.njk

#### Insanity Deal



Bundlehunt you receive every day a highly reduced app for savings up to 90%. This time it's macware who publish a bundle but, as usual, with multiple apps for only €5 each, one new per day, for the month of march.

### secondary

#### Weekly Deals

#### Business Bundle

<p>

  
Bundlehunt you receive every day a highly reduced app for savings up to 90%. This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

</p>

#### Insanity Deal

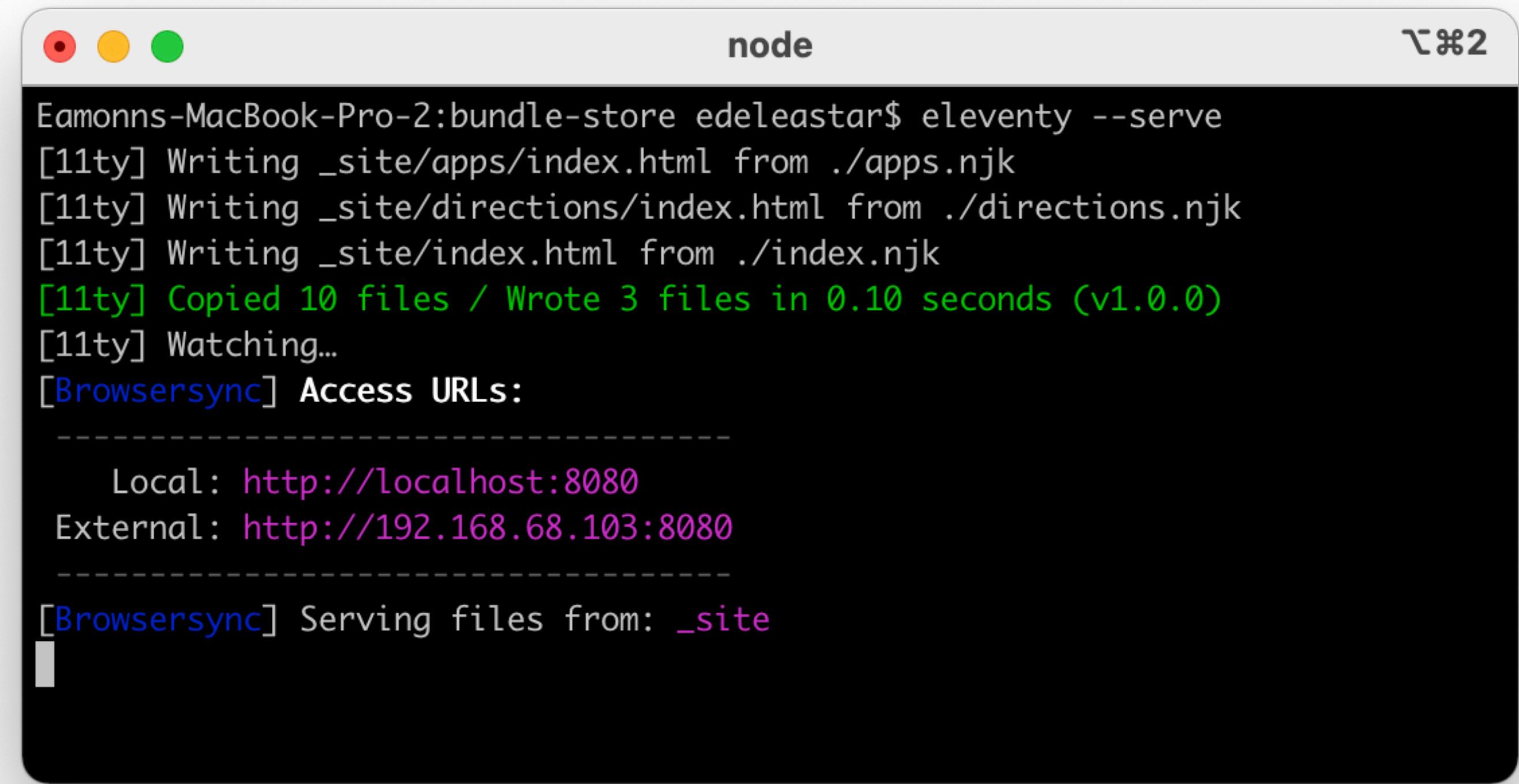
<p>

  
Bundlehunt you receive every day a highly reduced app for €5 only with multiple apps for only €5 each, one new per day, for the month of march.

</p>

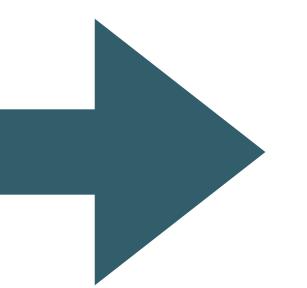
</div>

## Start Server



```
node
Eamonns-MacBook-Pro-2:bundle-store edeleastar$ eleventy --serve
[11ty] Writing _site/apps/index.html from ./apps.njk
[11ty] Writing _site/directions/index.html from ./directions.njk
[11ty] Writing _site/index.html from ./index.njk
[11ty] Copied 10 files / Wrote 3 files in 0.10 seconds (v1.0.0)
[11ty] Watching...
[Browsersync] Access URLs:
-----
Local: http://localhost:8080
External: http://192.168.68.103:8080
-----
[Browsersync] Serving files from: _site
```

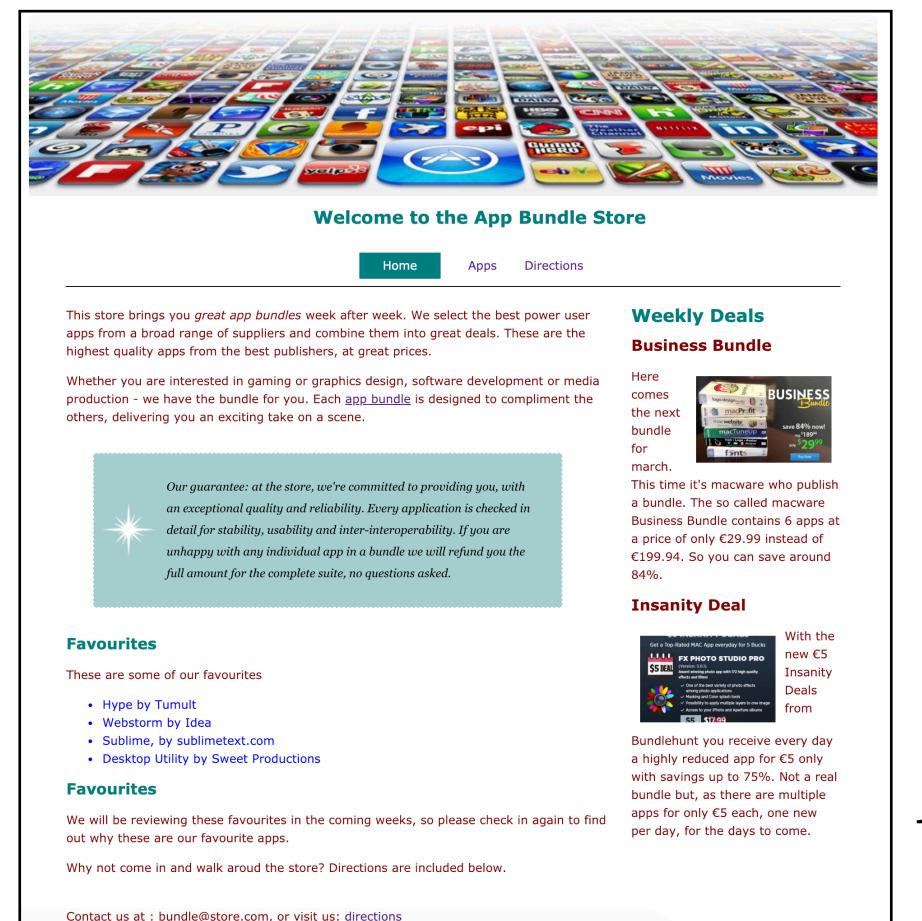
Site now available here  
(when server is started)



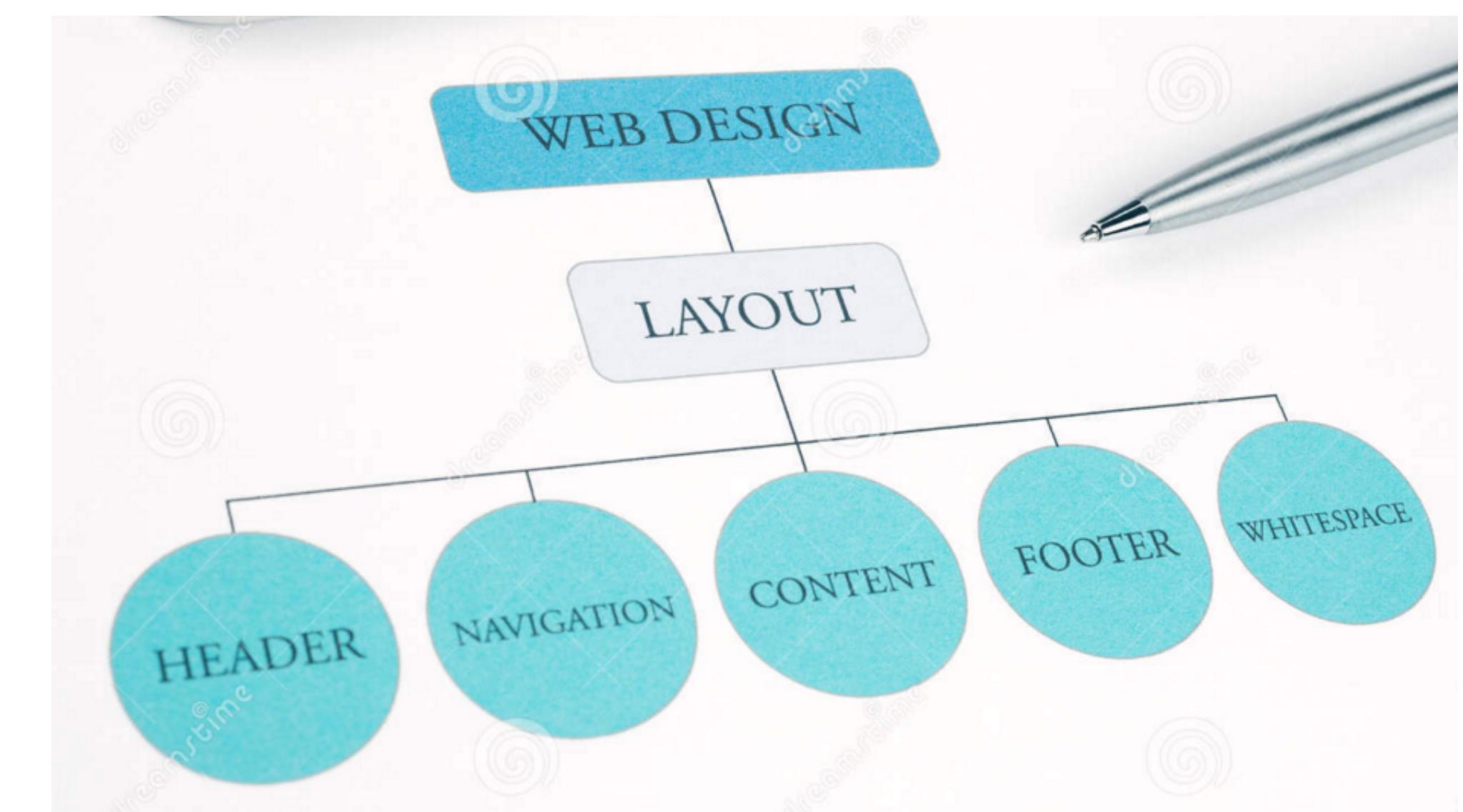
http://localhost:8080/

Server must be  
started:  
“eleventy — serve”

Server can also be  
stopped:  
Ctrl-C



# Layouts

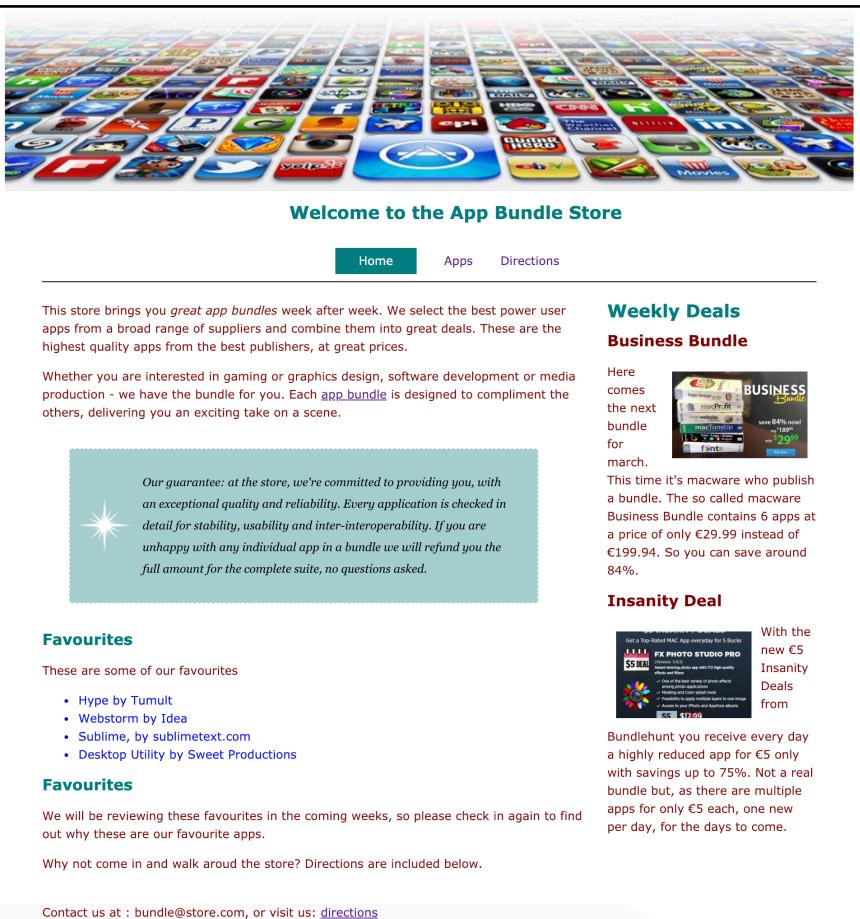


- Layouts are another powerful mechanisms for adopting a DRY approach
- With Layouts, we can define the structure of the overall page...
- ... and each page that uses the layout substituting into a specific part of the page

# Layouts

## layout.njk

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Bundle APP Store</title>
    <link rel="stylesheet" href="/css/home.css">
  </head>
  <body>
    
    <div class="container">
      {> include "header.njk" %}
      {{ content | safe }}
      {> include "footer.njk" %}
    </div>
  </body>
</html>
```



- Include header & footer ‘partials’
- Pages can choose to be based in this ‘layout’.
- Page content will be inserted here

# Partials

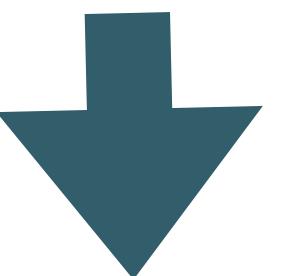
## header.njk

```
<div id="header">  
  <h1>Welcome to the App Bundle Store</h1>  
</div>
```

## footer.njk

```
<div id="footer">  
  <p>Contact us at : bundle@store.com, or visit us: <a href="directions"></a></p>  
</div>
```

- Reusable fragments of html.
- Can be ‘included’ in any other partial, layout or template



```
{% include "header.njk" %}
```

# Partials

## sidebar.njk

```
<div id="secondary">
  <h1>Weekly Deals</h1>
  <h2 class="special">Business Bundle</h2>
  <p>
     Here comes the next bundle for march. This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.
  </p>
  <h2 class="special">Insanity Deal</h2>
  <p>
     With the new €5 Insanity Deals from Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, there are multiple apps for only €5 each, one new per day, for the days to come.
  </p>
</div>
```

## Weekly Deals Business Bundle

Here comes the next bundle for march.



This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

## Insanity Deal



With the new €5 Insanity Deals from

Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, as there are multiple apps for only €5 each, one new per day, for the days to come.

- This template will be laid out using this a layout.
- Page content does not need header section, body etc... as these are all defined in layout

## Templates



### apps.ejs

```

---
layout: layout.njk
---

<div id="navigation">
  <ul id="menu">
    <li><a href="/">Home</a></li>
    <li class="active"><a href="/apps">Apps</a></li>
    <li><a href="/directions">Directions</a></li>
  </ul>
</div>
<div id="maincontent">
  <div id="primary">
    <h1>App Bundles</h1>
    <h3>Freebie</h3>
    <p>
       Stacksocial just published its so called Free Ondesoft Mac Tool Bundle, which contains 5 apps from Onesoft. The bundle is worth $146 will be probably available only a couple of days so you'd better hurry up to get it. </p>
    <hr>
    <h3>Macware Business Bundle</h3>
    <p>
      Here comes the next bundle for march. This time its macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%. </p>
    <hr>
    <h3>Ultimate Bundle</h3>
    <p>
       This bundle is worth more than €400. So for just a little bit more than $10, you can make your bargain if you want just one of these apps. of dollars. We think, that the bundle will be online until the mid of October </p>
    <hr>
  </div>
</div>

```

## apps.ejs

```
---  
layout: layout.njk  
---  


- Home
- Apps
- Directions



# App Bundles



### Freebie



 Stacksocial just published its so called Free Ondesoft Mac Tool Bundle, which contains 5 apps from OneSoft. The bundle is worth $146 will be probably available only a couple of days so you'd better hurry up to get it.



---



### Macware Business Bundle



Here comes the next bundle for march. This time its macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.

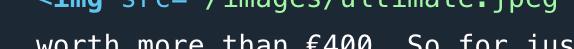


---



### Ultimate Bundle



 This bundle is worth more than €400. So for just a little bit more than $10, you can make your bargain if you want just one of these apps. of dollars. We think, that the bundle will be online until the mid of October



---


```

## layout.njk

```
<!DOCTYPE html>  
<html>  
  <head>  
    <meta charset="utf-8">  
    <title>Bundle APP Store</title>  
    <link rel="stylesheet" href="/css/home.css"/>  
  </head>  
  <body>  
      
    <div class="container">  
      {%- include "header.njk" %}  
      {{ content | safe }}  
      {%- include "footer.njk" %}  
    </div>  
  </body>  
</html>
```

## header.njk

```
<div id="header">  
  <h1>Welcome to the App Bundle Store</h1>  
</div>
```

## footer.njk

```
<div id="footer">  
  <p>Contact us at : bundle@store.com, or visit us: <a href="/directions">Directions</a></p>  
</div>
```

# Templating System

## layout.njk

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Bundle APP Store</title>
    <link rel="stylesheet" href="/css/home.css">
  </head>
  <body>
    
    <div class="container">
      {% include "header.njk" %}
      <div id="maincontent">
        <div id="primary">
          {{ content | safe }}
        </div>
        <div id="secondary">
          {% include "secondary.njk" %}
        </div>
      </div>
      {% include "footer.njk" %}
    </body>
  </html>
```

# Enhanced Layout



Welcome to the App Bundle Store

Home Apps Directions

This store brings you *great app bundles* week after week. We select the best power user apps from a broad range of suppliers and combine them into great deals. These are the highest quality apps from the best publishers, at great prices.

Whether you are interested in gaming or graphics design, software development or media production - we have the bundle for you. Each app bundle is designed to compliment the others, delivering you an exciting take on a scene.

 Our guarantee: at the store, we're committed to providing you, with an exceptional quality and reliability. Every application is checked in detail for stability, usability and inter-operability. If you are unhappy with any individual app in a bundle we will refund you the full amount for the complete suite, no questions asked.

**Favourites**

These are some of our favourites

- Hype by Tumult
- Webstorm by Idea
- Sublime, by sublimetext.com
- Desktop Utility by Sweet Productions

**Favourites**

We will be reviewing these favourites in the coming weeks, so please check in again to find out why these are our favourite apps.

Why not come in and walk around the store? Directions are included below.

Contact us at : [bundle@store.com](mailto:bundle@store.com), or visit us: [directions](#)

**Weekly Deals**

**Business Bundle**

Here comes the next bundle for march. This time it's macware who publish a bundle. The so called macware Business Bundle contains 6 apps at a price of only €29.99 instead of €199.94. So you can save around 84%.



**Insanity Deal**

With the new €5 Insanity Deals from  Bundlehunt you receive every day a highly reduced app for €5 only with savings up to 75%. Not a real bundle but, as there are multiple apps for only €5 each, one new per day, for the days to come.

- Nunjucks is a complete system for ‘programming’ inside a template

## Templates

- [User-Defined Templates](#)
- [Warning](#)
- [File Extensions](#)
- [Syntax Highlighting](#)
- [Variables](#)
- [Filters](#)
- [Template Inheritance](#)
- [super](#)
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- [If Expression](#)
- [Function Calls](#)
- [Regular Expressions](#)
- [Autoescaping](#)
- [Global Functions](#)

## Variables

A variable looks up a value from the template context. If you wanted to simply display a variable, you would do:

```
 {{ username }}
```

This looks up `username` from the context and displays it. Variable names can have dots in them which lookup properties, just like javascript. You can also use the square bracket syntax.

```
 {{ foo.bar }}  
 {{ foo["bar"] }}
```

These two forms to the exact same thing, just like javascript.

If a value is `undefined` or `null`, nothing is displayed. The same behavior occurs when referencing undefined or null objects. The following all output nothing if `foo` is undefined:

```
 {{ foo }}, {{ foo.bar }}, {{ foo.bar.baz }}
```

## Filters

Filters are essentially functions that can be applied to variables. They are called with a pipe operator (`|`) and can take arguments.

```
 {{ foo | title }}  
 {{ foo | join(",") }}  
 {{ foo | replace("foo", "bar") | capitalize }}
```

The third example shows how you can chain filters. It would display “Bar”, by first replacing “foo” with “bar” and then capitalizing it.

Nunjucks comes with several [builtin filters](#), and you can add your own as well.

- 11ty has a range of plugins and extensions to enhance the productivity of web site development
- **Navigation** is a key feature available as a plugin



# Eleventy Documentation

[Docs](#) [Search](#)  [GitHub](#)  [Twitter](#) [Discord](#) [Community](#) [Blog](#)

Liquid  
Handlebars

Mustache  
EJS  
HAML  
Pug  
Custom

## Plugins

Serverless  
Image  
Render  
Fetch  
RSS  
Syntax Highlighting  
**Navigation**

Directory Output  
Inclusive Language

## API Services

IndieWeb Avatar  
OpenGraph Image  
Screenshots  
Sparklines

## Release History

## Advanced

Open up your Eleventy config file (probably `.eleventy.js`) and use `addPlugin`:

FILENAME `.eleventy.js`

```
const eleventyNavigationPlugin = require("@11ty/eleventy-navigation");

module.exports = function(eleventyConfig) {
  eleventyConfig.addPlugin(eleventyNavigationPlugin);
};
```

### INFO:

You're only allowed one `module.exports` in your configuration file, so make sure you only copy the `require` and the `addPlugin` lines above!

Read more about [Eleventy\\_plugins](#).

## ADDING TEMPLATES TO THE NAVIGATION

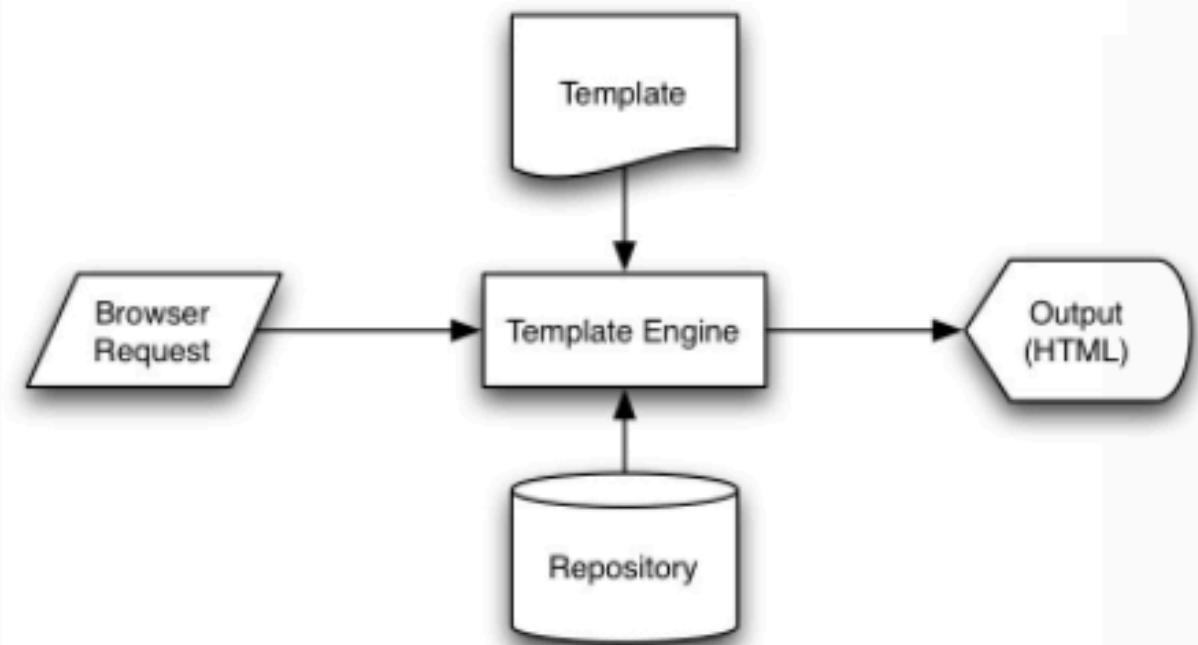
Add the `eleventyNavigation` object to your front matter data (or in a [data directory](#) file ). Assign a unique string to the `key` property inside of `eleventyNavigation`.

## EXAMPLE

`mammals.md #`

```
---
eleventyNavigation:
  key: Mammals
---
```

# Templates



dry · wet · nunjucks ·  
partials · includes · layouts  
· paths · compile