

Web Development

Produced
by

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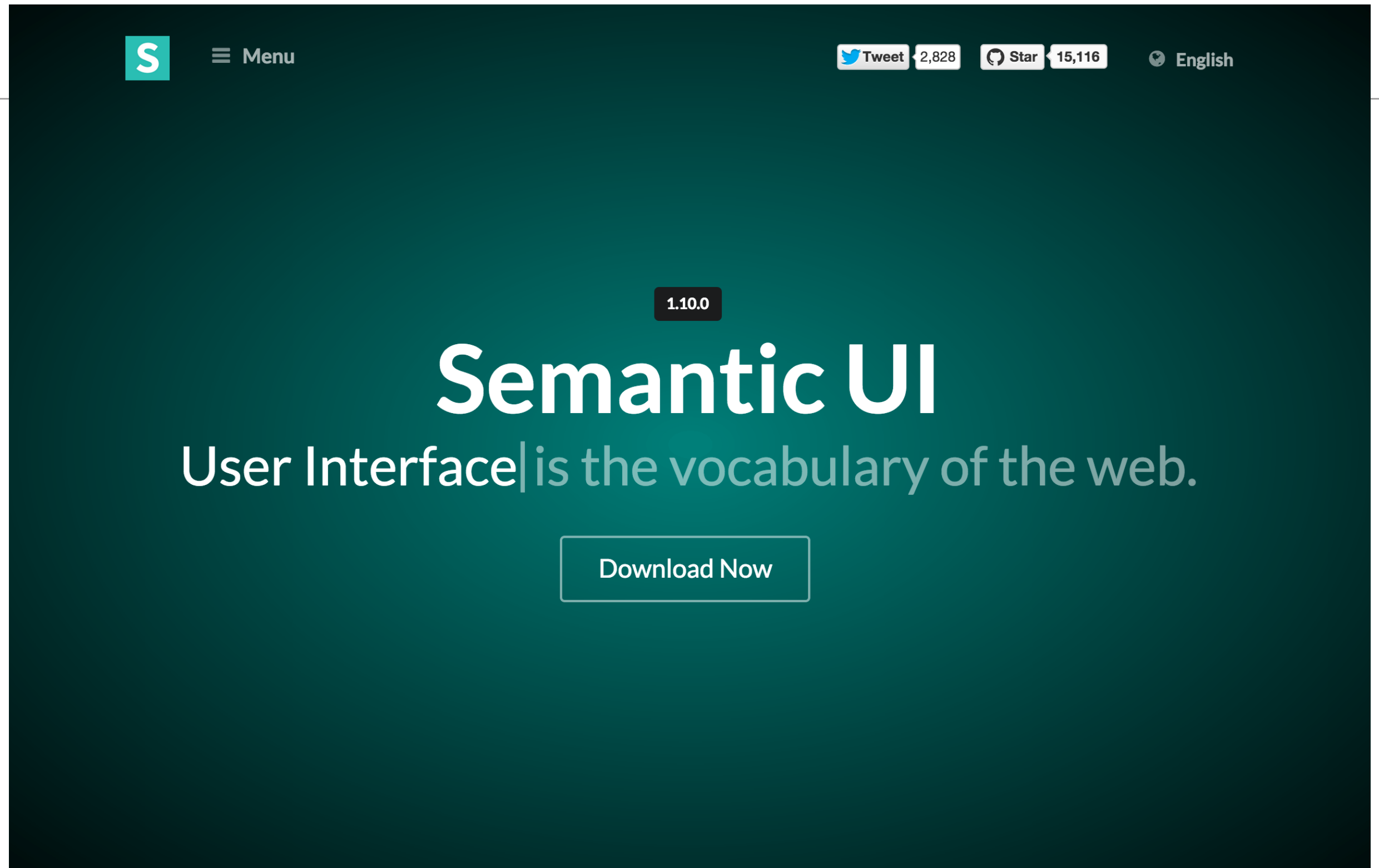


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Semantic UI

Semantic UI



<http://semantic-ui.com/>

Semantic UI Components

- **Elements:** The smallest useful homogenous unit for describing page content
- **Collections:** Heterogeneous group of several elements which are usually found together.
- **Views:** Ways of presenting common website content like comments, activity feeds, cards
- **Modules:** Elements where behavior and design are both an essential part of its definition

Elements

- The smallest useful homogenous unit for describing page content



```
<div class="ui button">
  View
</div>
<div class="ui primary button">
  <i class="shop icon"></i> Add to Cart
</div>
<div class="ui secondary button">
  <i class="save icon"></i>
  Save for Later
</div>
```

Button



View

 Add to Cart

 Save for Later



Rate

Basic

Horizontal

Vertical

Fade In

 Facebook

 Twitter

 Google Plus

1

2

3

Cancel or

Save



Blue

Red

Teal

Blue

Red

Teal

Inverted

Blue

Red

Basic

Blue

Red

Feed

Messages

Events

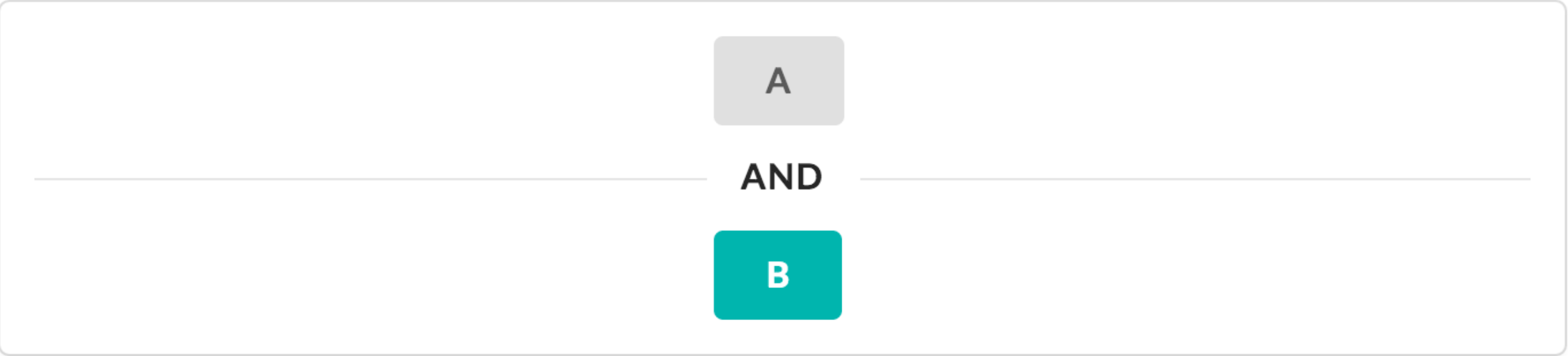
Photos

1

2

3





A
B

Header

H1

H2


H3

H4

H5



Icon Header
Sub-header

 Header
Sub-header



Block
Sub-header



Dividing
Sub-header

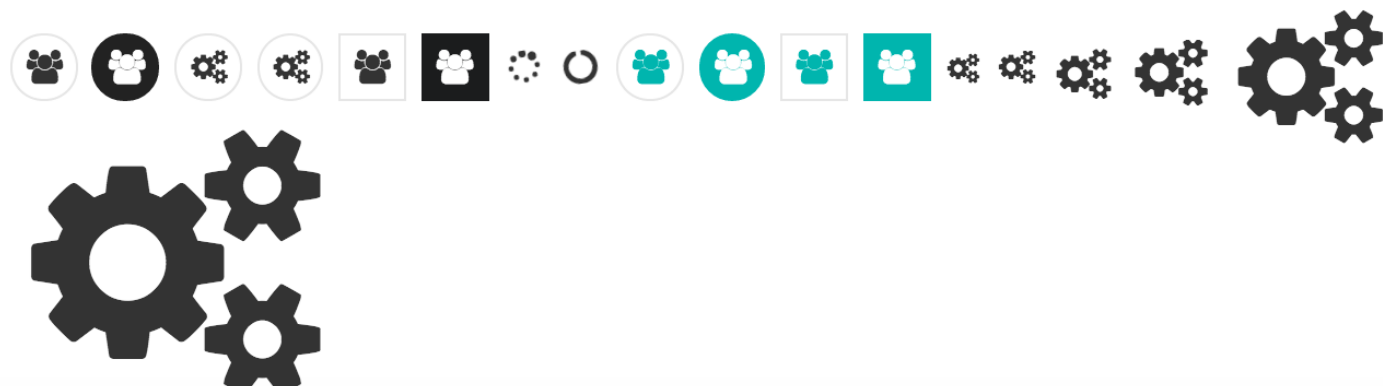


Color
Sub-header

Attached

Attached

Icon



Image



User Avatar



Input

Search

Required Field *

http://

domain.com

+

Label

Placeholder...

Placeholder...

Label

Label



email@address.com ✕

Some Name

Group



Icon



Tag



First name

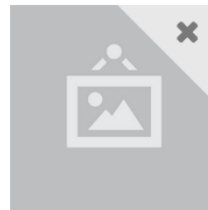
Pointing below label

Pointing Label

Item

Item

141



Top Labeled

Bottom Labeled

Top Left


Top Right

Bottom Left

Bottom Right

Ribbon

List



Header


Description

▶ Sub Header

Sub Description

▶ Sub Header

Sub Description



Header

Description

▶ Sub Header

Sub Description

▶ Sub Header

Sub Description

★

Header

Description

★

Header

Description

★


Header

Description




Header

Description



Header

Description



Header

Description

- Link
- Link
- Link
- Link
- Link

Selection

Selection

Selection

Selection

Selection

- Header
Description
 - Sub-header
 - Sub-header
 - Sub-header

• Header

Description

• Header

Description

1 Getting Started

2 Introduction

3 Languages

3.1 HTML

3.2 Javascript

3.3 CSS

4 Review



Header

Description



Header

Description



Header

Description



Segment

Step

Step
Description


Step
Description

1 **Previous Step**
Description

2 **Active Step**
Description

3 **Disabled Step**
Description

 **Previous Step**
Description

 **Active Step**
Description

 **Disabled Step**
Description

Collections

- Heterogeneous group of several elements which are usually found together.

Breadcrumb

Example

[Home](#) / [Store](#) / **T-Shirt**

```
<div class="ui large breadcrumb">
  <a class="section">Home</a>
  <div class="divider"> / </div>
  <a class="section">Store</a>
  <div class="divider"> / </div>
  <div class="active section">T-Shirt</div>
</div>
```


Selection Dropdown

Select

HTML Select

Select

Text Area

Required Input *

Text Input

Required Input *

Text Input

Disabled

Text Input

Radio Selection

☐ Radio Option

☐ Radio Option

☐ Radio Option

☐ Radio Option

Password

☐ Checkbox

Inline Radio Selection

☐ Radio Option

☐ Radio Option

☐ Radio Option

☐ Radio Option

Multiple Inline Fields

(xxx)

xxx

xxxx

Inline Field

Text Input

Sub-header

☐

Toggle

☐

Option

Submit

Warning Message

• Problem #1

• Problem #2

Input

Text Input

Input

Text Input

Submit

Error Message

Error message long description

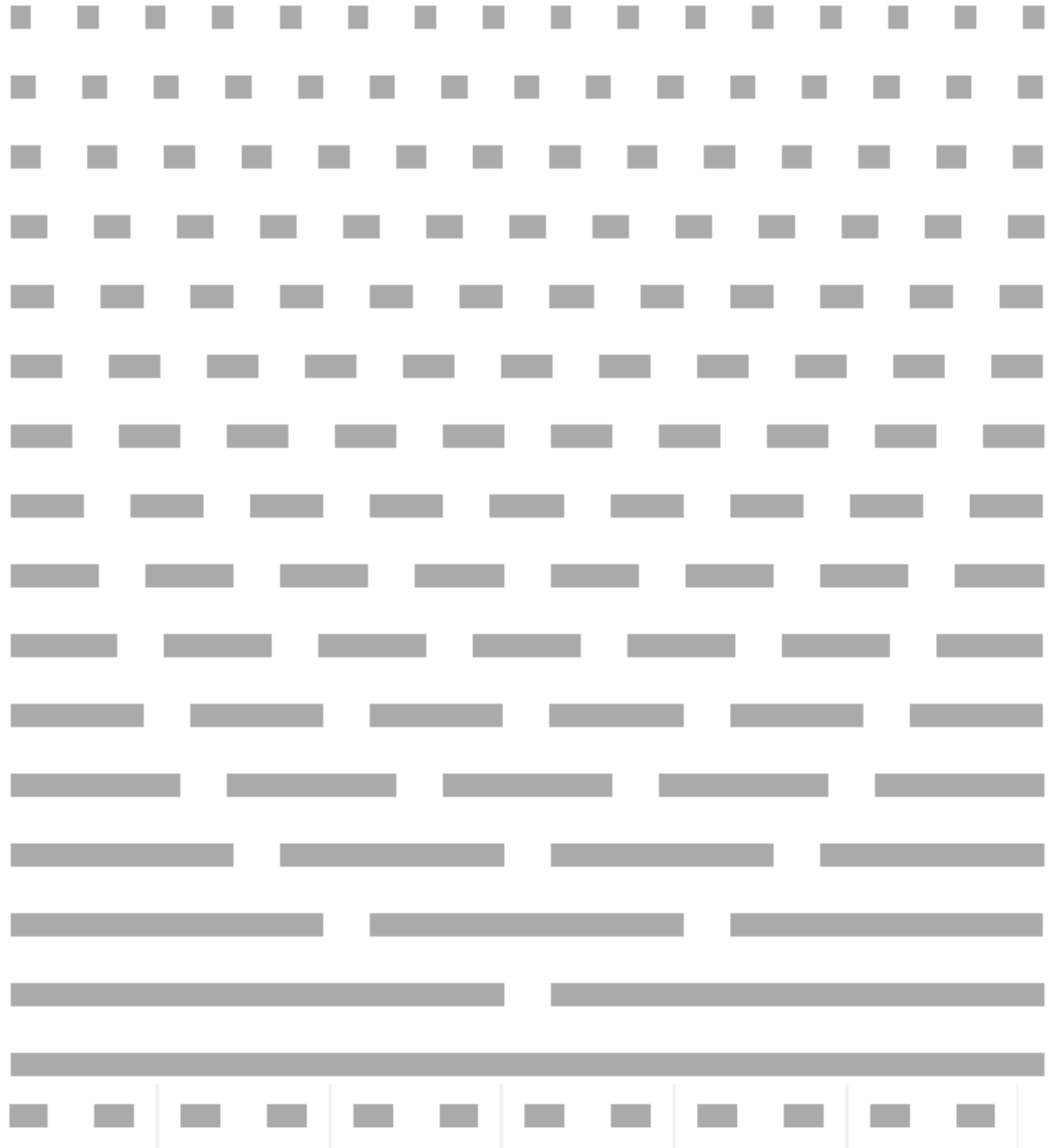
Errored Input

Text Input

Errored Input

Text Input

Submit



Menu



A	B	C
---	---	---

A

B1

Search...

Tab

Tab

A B C

A B C

A	B	C
---	---	---

A

B

C

A

B

C

Message



Closable message



Warning Message

- List item
- List item

List Message

- List item 1
- List item 2
- List item 3

Info Message

Example description

Positive Message

Example description








Negative Message

Example description





Top attached

Bottom attached

Table

Files		
 folder	Comment	10 hours ago
 folder2	Comment	10 hours ago
 folder3	Comment	10 hours ago
 package.json	Comment	10 hours ago
 Gruntfile.js	Comment	10 hours ago

	Header 1	Header 2
Definition	1A	1B
Definition	2A	2B

	Name	Registration Date	E-mail address	Premium Plan
				
				
				
	<div>Button</div> <div>Disabled</div>			<div> Primary</div>

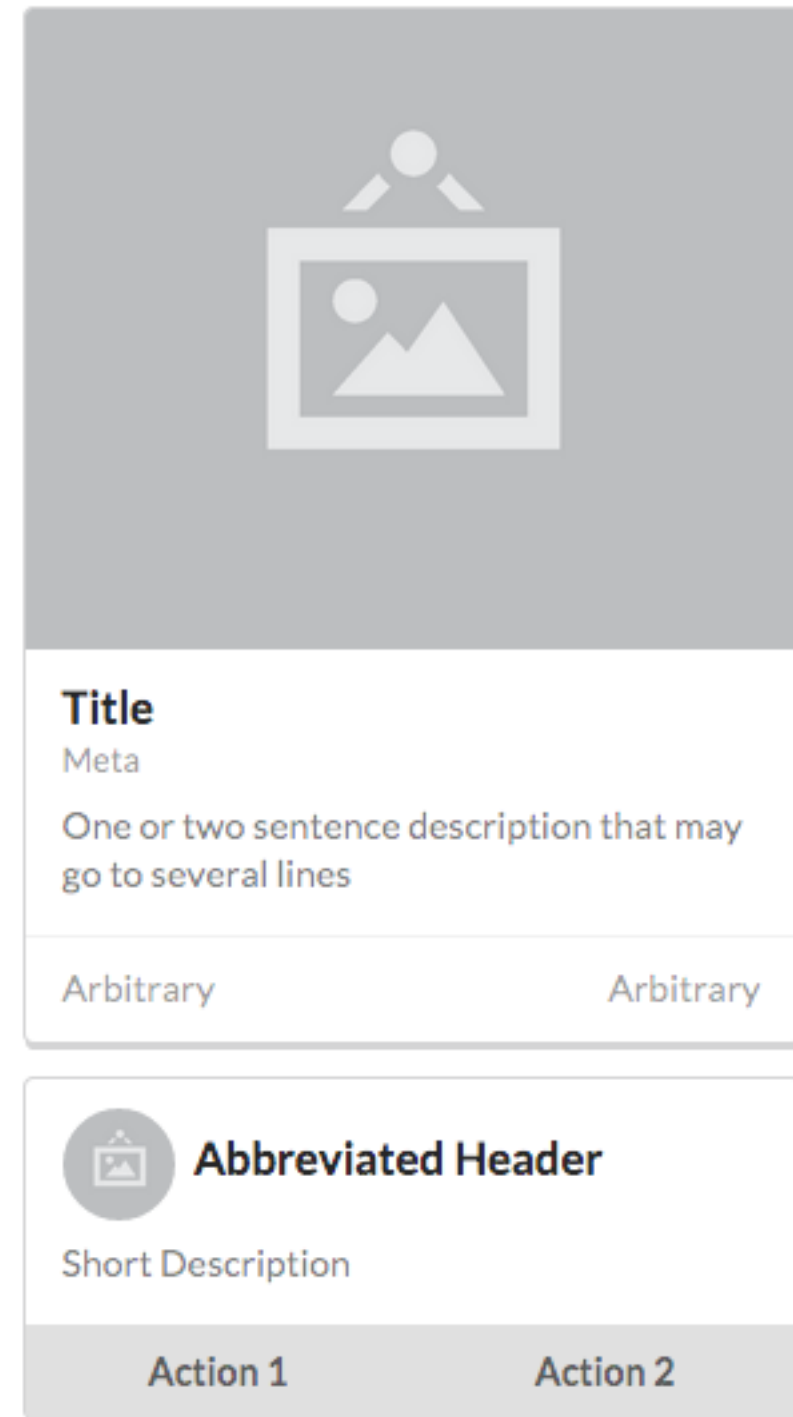
Name	Status	Notes
User 1	Value	Comment
User 1	Selected	Data
User 1	Value	Comment
User 2	Value	Data
User 1	Value	! Warning
User 3	Value	Data
User 1	Value	✖ Positive
User 2	! Warning	Data
User 2	✔ Positive	Data
User 2	Value	Data

Name	Status	Notes
User 1	Data	Data
User 3	Data	Data
User 2	Denied	Data
Footer	Footer	

Views

- **Views:** Ways of presenting common website content like comments, activity feeds, cards

Card



Feed



[Username](#) added you as a friend



You added [Username](#) to the group
[Group Name](#)



Time period ago
[Userername](#) added new photos



♥ 1 Like



You wrote something Time period ago

Blockquote

Metadata Metadata



You uploaded a photo Time period ago

Metadata Metadata

[Elliot Fu](#) added [Jenny Hess](#) as a friend

[Stevie Feliciano](#) added [Elliot Fu](#) as a friend

[Helen Troy](#) added [Christian Rocha](#) as a friend

[Christian Rocha](#) signed up for the site.



Content Header

Date Category

A description which may flow for several lines and give context to the content.



Username



Content Header

Date Category

A description which may flow for several lines and give context to the content.

Limited

Primary >



Content Header

Date Category

A description which may flow for several lines and give context to the content.

Primary >



Content Header

A description which may flow for several lines and give context to the content.



Content Header

A description which may flow for several lines and give context to the content.



Content Header

A description which may flow for several lines and give context to the content.

Statistic



Top Label

4:05

22

Bottom Label

EIGHTY
TWO

Text



5

Labeled Icon



22

Horizontal Label



51

Horizontal Label



81

Horizontal Label

Modules

- **Modules:** Elements where behavior and design are both an essential part of its definition

Accordion

Menu Item ▾

☐ Choice 1

☐ Choice 2

☐ Choice 3

☐ Choice 4

Menu Item ▹

- ▶ FAQ Question 1?
- ▶ FAQ Question 2?
- ▶ FAQ Question 3?

▶ Title

▼ Title

▶ Title

Checkbox



☐ Checkbox

☒ A ☐ B ☐ C ☐ D

Slider

☐ Toggle

Dimmer

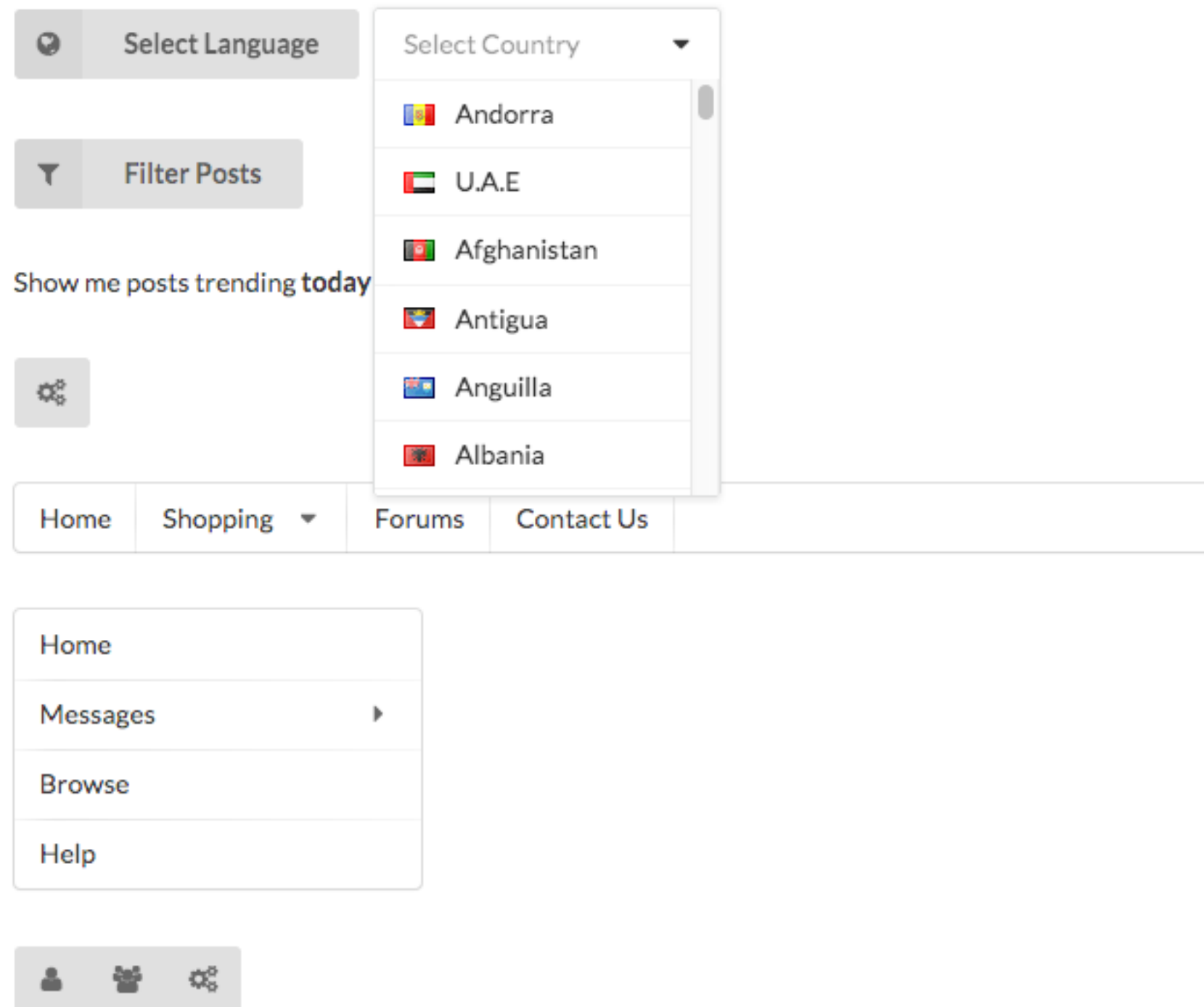


Dimmable Section





Dropdown



Modal

Standard Modal

Basic Modal

Full-Screen Modal

Profile Picture



We've auto-chosen a profile image for you.

We've grabbed the following image from the [gravatar](#) image associated with your registered e-mail address.

Is it okay to use this photo?

Nope

Yep, that's me



Popup

User Rating



Fluid Popup

HTML Content

Basic Popup

Small

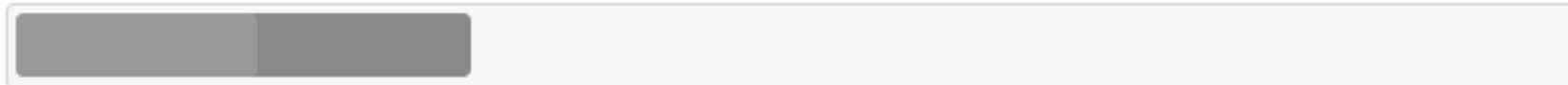
Large

Inverted

Link

Popup Link ▼

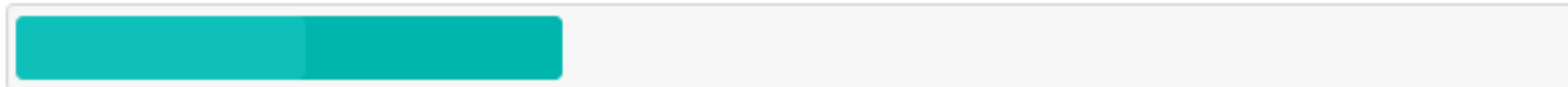
Progress



29% Complete



70% Done



Uploading 8 of 20



Rating



☆☆☆☆ Choice #1

☆☆☆☆ Choice #2

☆☆☆☆ Choice #3



Content Header

A description which may flow for several lines and give context to the content.

11 



Content Header

A description which may flow for several lines and give context to the content.

42 



Content Header

A description which may flow for several lines and give context to the content.

16 

Search



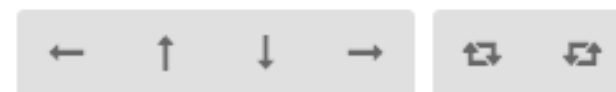
Remote search...



Category search...

Local search...

Shape



Did you know? This side starts visible.



Tab



First

Second

Third

1A

1B

1C

1A

Transition



Flash

Shake

Pulse

Tada

Bounce

Drop

Browse

Horizontal Flip

Vertical Flip

Fade

Fade Up

Fade Down

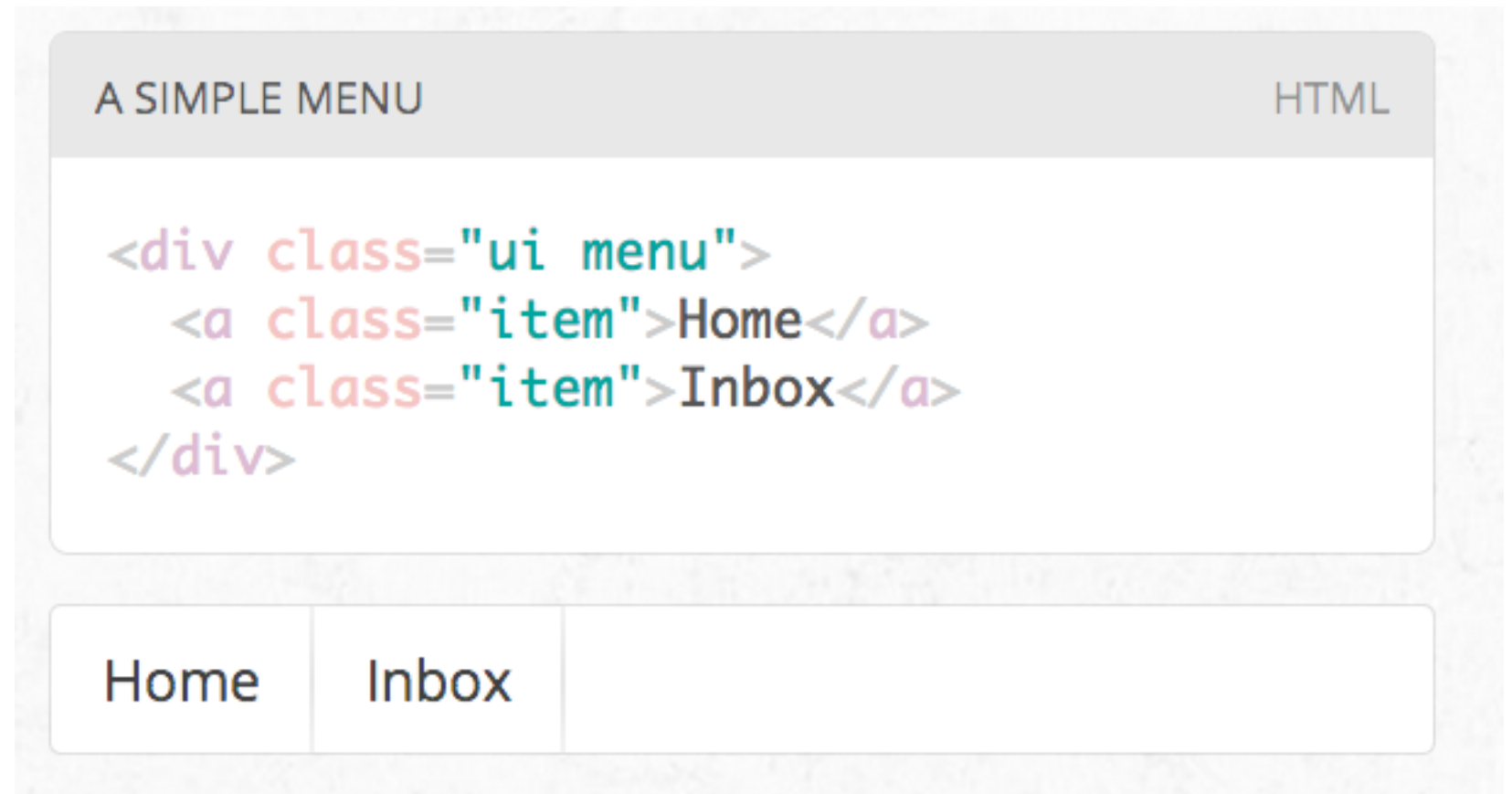
Scale

Slide Down

Slide Up

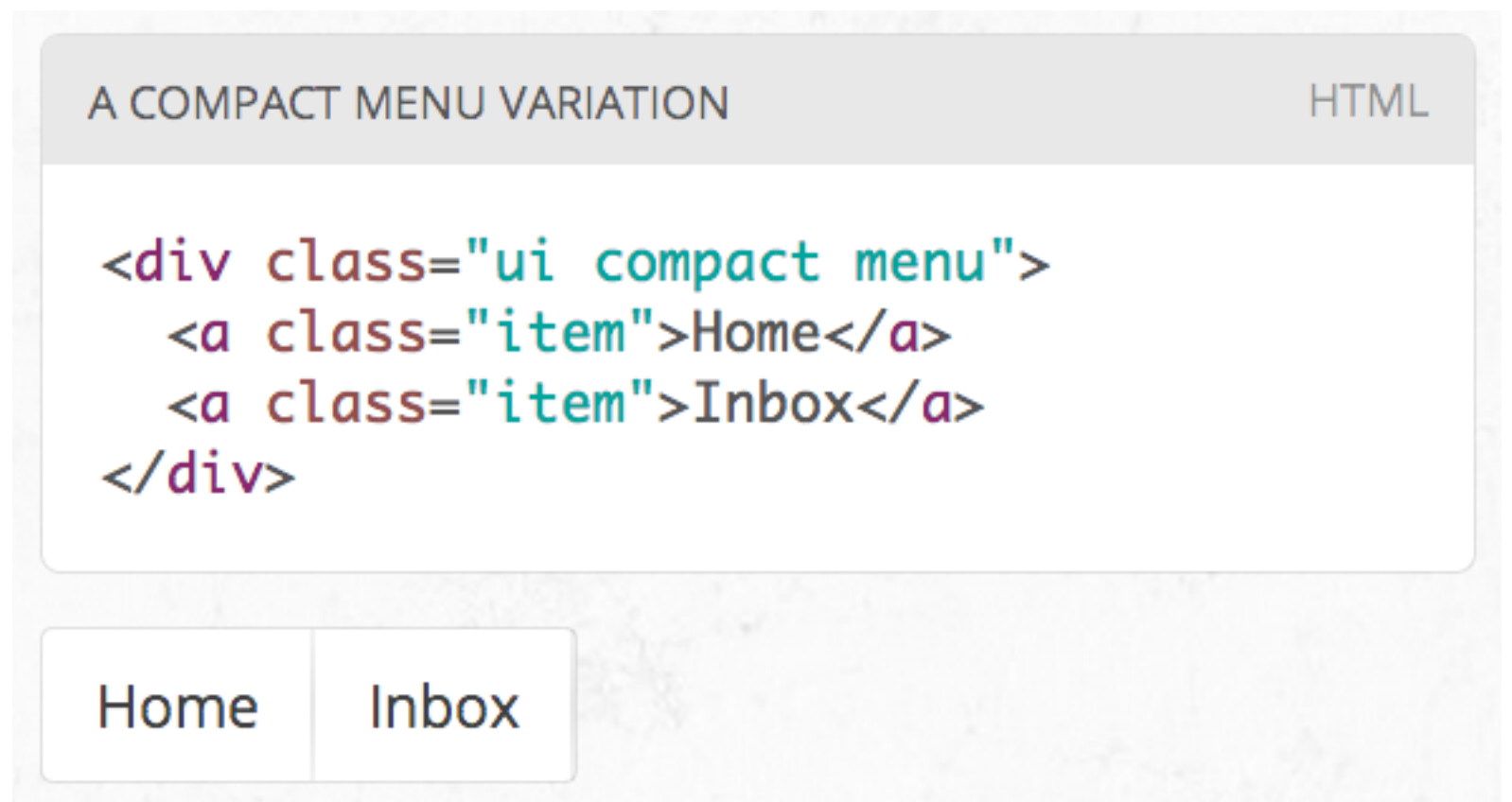
Interfacing Carefully

- UI definitions in Semantic are given the class name ui.
- This is to help tell the difference between ui elements and parts of the definition of an element.
- This means any element with the class name UI has a corresponding UI definition.



Changing an Element

- Class names in Semantic always use single english words.
- If a class name is an adjective it is either a type of element or variation of an element.
- CSS definitions always define adjectives in the context of a noun. In this way class names cannot pollute the namespace.



Combining an Element

- All UI definitions in semantic are stand-alone, and do not require other components to function.
- However, components can choose to have optional couplings with other components.
- For example you might want to include a badge inside a menu. A label inside of a menu will automatically function as a badge

USING A UI LABEL INSIDE A UI MENU

HTML

```
<div class="ui compact menu">  
  <a class="item">Home</a>  
  <a class="item">  
    Inbox  
    <div class="ui label">22</div>  
  </a>  
</div>
```

Home

Inbox 22


Types / Variations

- A ui definition in Semantic usually contains a list of mutually exclusive variations on an element design.
- A type is designated by an additional class name on a UI element


TYPES OF UI BUTTON

HTML


```
<div class="ui labeled icon button">
  Download <i class="download icon"></i>
</div>
<div class="ui icon button">
  <i class="download icon"></i>
</div>
<div class="ui button">
  Download
</div>
<div class="ui facebook button">
  <i class="facebook icon"></i>
  Facebook
</div>
```



DOWNLOAD



DOWNLOAD

 **FACEBOOK**




Types / Content

- Types may require different html structures to work correctly.
- For example, an icon menu might expect different content like icons glyphs instead of text to be formatted correctly

ICON MENU TYPE

HTML

```
<div class="ui icon menu">  
  <a class="item">  
    <i class="mail icon"></i>  
  </a>  
  <a class="item">  
    <i class="lab icon"></i>  
  </a>  
  <a class="item">  
    <i class="star icon"></i>  
  </a>  
</div>
```





Types / HTML Differences

- Types may also each require slightly different html.
- For example, a tiered menu needs html specified for a sub menu to display itself correctly

TIERED MENU TYPEHTML

```
<div class="ui tiered menu">
  <div class="menu">
    <div class="active item">
      <i class="home icon"></i>
      Home
    </div>
    <a class="item">
      <i class="mail icon"></i>
      Mail
      <span class="ui label">22</span>
    </a>
  </div>
  <div class="sub menu">
    <div class="active item">Activity</div>
    <a class="item">Profile</a>
  </div>
</div>
```

 Home

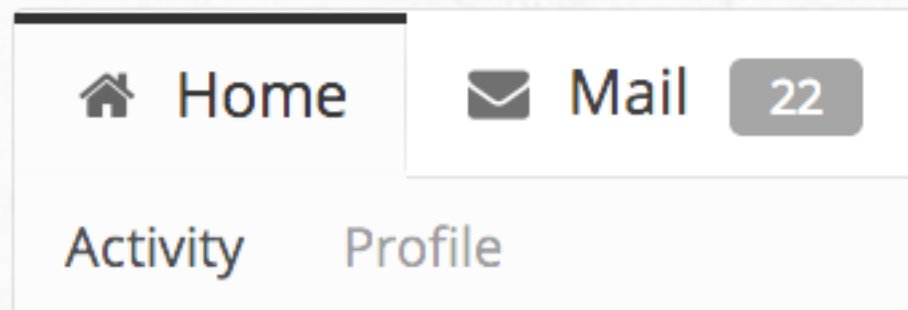
 Mail 22

Activity Profile

Variations

- A variation alters the design of an element but is not mutually exclusive.
- Variations can be stacked together, or be used along with altering an element's type.
- For example, having wide menus that take up the full width of its parent may sometimes be overwhelming. You can use the compact variation of a menu to alter its format to only take up the necessary space.

```
<div class="ui compact tiered menu">  
  ...  
</div>
```



Intersecting Variations

- The definition for the variation red contains css specifically for describing the intersection of both red and inverted.

```
<div class="ui red tiered menu">  
  ...  
</div>
```

 Home

 Mail

22

Activity

Profile

Whats Different?

Build Responsive Layouts Easier

- Designed Completely with EM
- Every component is defined using em and rem so that components can be resized simply on the fly.
- Want a menu to get smaller on mobile? Simply have it's font-size change using a media query.

Self Explanatory

- Descriptive not Prescriptive
- Writing front end code shouldn't require learning the naming or programming conventions of a particular developer.
- Instead of using short-hand, or codifying naming conventions, Semantic uses simple, common language for parts of interface elements, and familiar patterns found in natural languages for describing elements.

Tag Agnostic

- Use whatever html tags you please.
- Interface definitions in Semantic are tag ambivalent.
- That means you can use div, article, section, span without affecting the display of the element.
- Special tags like a, table, td still carry special meaning in certain circumstances however.

Powerful tools for expressing groups and collections.

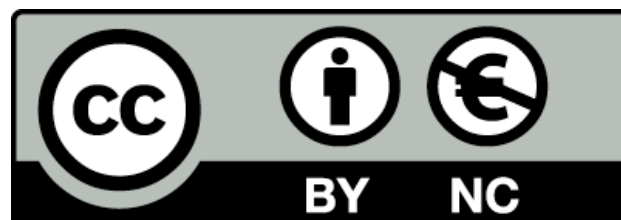
- Don't repeat yourself
- In English it's much easier to say "There are three tall men" than "There is a tall man, a tall man and a tall man".
- In Semantic element definitions can be expressed in groups have shared attributes like size, color, type avoiding repetitive declarations.

Portable and self-contained.

- Using Semantic doesn't mean adopting an entire framework, or rewriting your code base
- Semantic components are written in a singular style, but are not part of mandated overarching library. Only like a couple components? No problem, use only what you need.
- UI components in Semantic also define optional and required couplings with other components where their usage intersect. That means for example, a popup can check for the existence of CSS animation component before using the fallback javascript animations.

Shared language, different implementations

- Restyle your site without Restructuring it
- Describing your site's content using a common language like Semantic allows other developers to create UI definitions to match one shared vocabulary.
- This means you can redesign your website without retooling your html.
- Simply alter the look and feel of your UI using a different UI style definition.



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