Semantic UI

User Interface is the language of the web

Not Bootstrap
What is Semantic UI?

- Framework providing basic front-end styling and functionality
  - Uses Html, CSS, Javascript
- Uses a Grid System
- Uses JQUERY
- Mobile Friendly!
What are other options?

- Foundation and Bootstrap are also great options
- Quite large in comparison

- Materialize mimics Android UI
- Still in its infancy stage
So why are we going with Semantic UI?

Semantic UI
- Smaller project to work with
- Better organized (docs, tutorials)
- Friendliest for novices
- Syntactically light
- Easier to fully understand internals
- Style is newer and “edgy”

Bootstrap
- Very large project
- Lots of various files to remember to include in your project
- Docs are less novice friendly
- Syntactically heavier by far
- Looks a bit dated
What can Semantic UI do?

**Animations**
- Popups
- Dialogues
- Hovers
- etc..

**Styling**
- Grid System
- Automatic Mobile View Adjusting
- Colour variables/Fixed styles to use
- etc..

**Form Checking**
- Bad input
- Error messages

**Clean API**
Concise HTML

Semantic UI treats words and classes as exchangeable concepts.

Classes use syntax from natural languages like noun/modifier relationships, word order, and plurality to link concepts intuitively.

Get the same benefits as BEM or SMACSS, but without the tedium.

```html
<div class="ui three buttons">
  <button class="ui active button">One</button>
  <button class="ui button">Two</button>
  <button class="ui button">Three</button>
</div>
```
With debug set to true, relevant output is shown in the browser console.
Buttons

http://semantic-ui.com/elements/button.html

HTML Code

```html
<button class="ui primary button">
    Save
</button>

<button class="ui button">
    Discard
</button>
```
LoadingButtons

http://semantic-ui.com/elements/button.html

HTML Code

Very useful when waiting for GET/POST request to return!

<!-- Example -->

```html
<button class="ui loading button">Loading</button>
<button class="ui basic loading button">Loading</button>
<button class="ui primary loading button">Loading</button>
<button class="ui secondary loading button">Loading</button>
```
Input

http://semantic-ui.com/elements/input.html

Upon Entry

```
<div class="ui input">
  <input type="text" placeholder="Search...">
</div>
```

After Entry

```
<div class="ui input error">
  <input type="text" placeholder="Search...">
</div>
```
Lists

http://semantic-ui.com/elements/list.html

Horizontally Aligned

Notice the trend with "ui <insert element name here>"

Vertically Aligned

Top Aligned  Middle  Bottom

<div class="ui list">
  <div class="item">
    <i class="users icon"></i>
    <div class="content">
      Semantic UI
    </div>
  </div>
</div>
Dropdown


This won’t work immediately though ...

Grade Average

- 70-79
- 90-100
- 80-89
- 70-79
- 60-69
- <60

```html
<ol>
  <li><input type="hidden" name="gpa" id="gpa" value="1"></li>
  <li><i class="dropdown icon"></i> 70-79</li>
  <li><div class="text">70-79</div></li>
</ol>
```
JQUERY initialization

• Modules
  • For things like dropdowns, accordions, dimmers you need to initialize them

For a dropdown we do:

```javascript
$.fn.dropdown();
```

The Settings tab provides an API in which we can pass parameters/settings through to the dropdown upon initialization.
# Plethora of Icons

Icons can represent types of people

<table>
<thead>
<tr>
<th>Example</th>
<th>Child</th>
<th>Doctor</th>
<th>Handicap</th>
<th>Spy</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="https://semantic-ui.com/assets/images/icons/people-child.png" alt="Child Icon" /></td>
<td><img src="https://semantic-ui.com/assets/images/icons/people-doctor.png" alt="Doctor Icon" /></td>
<td><img src="https://semantic-ui.com/assets/images/icons/people-handicap.png" alt="Handicap Icon" /></td>
<td><img src="https://semantic-ui.com/assets/images/icons/people-spy.png" alt="Spy Icon" /></td>
<td><img src="https://semantic-ui.com/assets/images/icons/people-student.png" alt="Student Icon" /></td>
</tr>
<tr>
<td></td>
<td>User</td>
<td>Users</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

```html
<i class="child icon"></i>
<i class="doctor icon"></i>
<i class="handicap icon"></i>
<i class="spy icon"></i>
<i class="student icon"></i>
<i class="user icon"></i>
<i class="users icon"></i>
```
Theming


- You can create your own themes by instructions below
- Or you can download themes and use/manipulate them to your liking

Packaged Theme

```
src/themes/theme-name
```

Packaged themes are themes bundled together in a folder for distribution. These can be downloaded from the internet, or carried between projects.

Packaged themes can be used by modifying values in your `theme.config` file.