

### Quick Getting Started

1. npm install -g gulp
2. npm install -g jspm
3. jspm registry config github
4. Download skeleton-navigation  
<https://github.com/aurelia/skeleton-navigation/releases>
5. Change directories to skeleton directory
6. npm install
7. jspm install -y
8. gulp watch

Make sure to have node installed first

### Templating Examples

|                      |  |
|----------------------|--|
| .one-way             | <pre>&lt;markdown-editor value.one-way="markdown"&gt; &lt;/markdown-editor&gt;</pre>                   |
| .two-way             | <pre>&lt;markdown-editor value.two-way="markdown"&gt; &lt;/markdown-editor&gt;</pre>                   |
| .bind                | <pre>&lt;input type="text" value.bind="firstName"&gt; &lt;a href.bind="url"&gt;Aurelia&lt;/a&gt;</pre> |
| trigger              | <pre>&lt;button click.trigger="sayHello()" - "&gt;Say Hello&lt;/button&gt;</pre>                       |
| delegate             | <pre>&lt;button click.delegate="sayHello()" "&gt;Say Hello&lt;/button&gt;</pre>                        |
| call                 | <pre>&lt;div touch.call="sayHello()"&gt;Sa y Hello&lt;/button&gt;</pre>                                |
| string interpolation | <pre>&lt;div class="dot \${color} \${isHappy ? 'green' : 'red'}"&gt;&lt;/div&gt;</pre>                 |
| ref                  | <pre>&lt;input type="text" ref="name"&gt; \${name.value}</pre>   |

### Templating Examples (cont)

|             |   |
|-------------|---|
| select      | <pre>&lt;option repeat.for="color of colors" value.bind="color"&gt;\${color} &lt;/option&gt;</pre>                              |
| innerHTML   | <pre>&lt;div html innerHTML.bind="htmlPropert y"&gt;&lt;/div&gt; &lt;div innerHTML="\${htmlProperty}"&gt; &lt;/div&gt;</pre>    |
| textContent | <pre>&lt;div textContent.bind="stringPro perty"&gt;&lt;/div&gt; &lt;div textContent="\${stringProper ty}"&gt;&lt;/div&gt;</pre> |
| style       | <pre>&lt;div style.bind="styleString"&gt; &lt;/div&gt; &lt;div style.bind="styleObject"&gt; &lt;/div&gt;</pre>                  |

### Template Example Code

```
<template>
  <section>
    <h2>${heading}</h2>
    <form role="form"
submit.delegate="welcome()">
      <div class="form-group">
        <label for="fn">First
Name</label>
        <input type="text"
value.bind="firstName"
class="form-control" id="fn"
placeholder="first name">
      </div>
      <div class="form-group">
        <label for="ln">Last
Name</label>
        <input type="text"
value.bind="lastName" class="form-
control" id="ln" placeholder="last
name">
      </div>
    </form>
  </section>
</template>
```

### Template Example Code (cont)

```
<div class="form-group">
  <label>Full Name</label>
  <p class="help-
block">${fullName | upper}</p>
</div>
<button type="submit"
class="btn btn-
default">Submit</button>
</form>
</section>
</template>
```

All templates must start with <template> and end with </template>

### HTTP Client Methods

|                    |                                      |
|--------------------|--------------------------------------|
| Install            | jspm install aurelia-http-client     |
| createRequest(uri) | Custom configure individual requests |
| delete(uri)        | HTTP Delete request                  |
| get(uri)           | HTTP Get Request                     |
| head(uri)          | HTTP Head Request                    |



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### HTTP Client Methods (cont)

|  |                             |
|--|-----------------------------|
| jsonp(uri, callbackParameterName='jsoncallback') | Sends JSONP Request Message |
| put(uri, content)                                | HTTP Put Request            |
| patch(uri, content)                              | HTTP Patch Request          |
| post(uri, content)                               | HTTP Post Request           |

The result of sending a message is a promise, it has the following properties. response, responseType, content, headers, statusCode, statusText, isSuccess, reviver, requestMessage

### HTTP Client Example (Flickr)

```
import {HttpClient} from 'aurelia-http-client';
var url = 'http://api.flickr.com/services/feeds/photos_public.gne?tags=rainier&tagmode=any&format=json';
export class Flickr{
  static inject() { return [HttpClient]; }
  constructor(http) {
    this.heading = 'Flickr';
```

### HTTP Client Example (Flickr) (cont)

```
    this.images = [];
    this.http = http;
  }
  activate() {
    return this.http.jsonp(url).then(response => {
      this.images = response.content.items;
    });
  }
  canDeactivate() {
    return confirm('Are you sure you want to leave?');
  }
}
```

jsonp request returns a promise

### Extending HTML Behaviours

|                     |   |
|---------------------|---|
| Attached Behaviours | Adds new behavior or functionality to existing HTML element |
| Custom Elements     | New tags to HTML Markup                                     |

### Extending HTML Behaviours (cont)

|                      |                                      |
|----------------------|--------------------------------------|
| Template Controllers | Convert Dom into inert HTML template |
|----------------------|--------------------------------------|

### Behavior Examples

```
//Attached Behavior (jquery)
<div show.bind="isSaving" class="spinner"></div>
import {Behavior} from 'aurelia-templating';
export class Show {
  static metadata() {
    return Behavior
      .attachedBehavior('show')
      .withProperty('value', 'valueChanged', 'show');
  }
}
//Custom Element
<template>
  <require from="./say-hello">
</require>
  <input type="text" ref="name">
  <say-hello to.bind="name.value"></say-hello>
</template>
import {Behavior} from 'aurelia-templating';
```



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### Behavior Examples (cont)

```
export class SayHello {
  static metadata() {
    return Behavior
      .customElement('say-hello')
      .withProperty('to');
  }
  speak() {
    alert('Hello ${this.to!}');
  }
}
//Template Controllers
<li repeat.for="customer of
customers">${customer.fullName}</li
>
```

### Routing Activation Lifecycle

|   |                          |
|---|--------------------------|
| canActivate(params, queryString, routeConfig) | Hook to be navigated too |
|---|--------------------------|

### Routing Activation Lifecycle (cont)

|  |   |
|--|---|
| activate(params, queryString, routeConfig) | Custom logic before view-model is displayed |
| canDeactivate()                            | Router can navigate from view?              |
| deactivate()                               | Logic as you are being navigated from       |

### Router Example

```
import {Router} from 'aurelia-router';
import bootstrap from 'bootstrap';
export class App {
  static inject() { return [Router]; }
  constructor(router) {
    this.router = router;
    this.router.configure(config => {
      config.title = 'Aurelia';
      config.map([
        { route: ['', 'welcome'],
          moduleId: './welcome', nav: true,
          title: 'Welcome' },
```

### Router Example (cont)

```
        { route: 'flickr',
          moduleId: './flickr', nav: true },
        { route: 'child-router',
          moduleId: './child-router', nav:
            true, title: 'Child Router' }
      ]);
    });
  }
}
```

### DI Example

```
import {HttpClient} from 'aurelia-http-client';
export class CustomerDetail {
  static inject() { return [HttpClient]; }
  constructor(http) {
    this.http = http;
  }
}
```



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