

### 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	<code>&lt;input type="text" value.bind="firstName" /&gt;</code>
two-way	<code>&lt;input type="text" value.two-way.bind="firstName" /&gt;</code>
.bind	<code>&lt;input type="text" value.bind="firstName" /&gt;</code>
trigger	<code>&lt;button click.trigger="sayHello()" /&gt;</code>
delegate	<code>&lt;button click.delegate="sayHello()" /&gt;</code>
call	<code>&lt;div touch.call="sayHello()" /&gt;</code>
string interpolation	<code>&lt;div class="dot \${color}" /&gt;</code>
ref	<code>&lt;input type="text" ref="name" value="\${name}" /&gt;</code>
select	<code>&lt;option repeat.for="color of colors" value.bind="color"&gt;\${color}&lt;/option&gt;</code>
inner html	<code>&lt;div innerhtml.bind="innerHTML"&gt;&lt;/div&gt;</code>
textContent	<code>&lt;div textcontent.bind="textContent"&gt;&lt;/div&gt;</code>
style	<code>&lt;div style.bind="style"&gt;&lt;/div&gt;</code>

### Template Example Code

```
<template>
  <section>
    <h2>${heading}</h2>
    <form role="form"
      submit.delegate="welcome()">
```

### Template Example Code (cont)

```
> <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>
<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	<code>jspm install aurelia-http-client</code>
createRequest(uri)	Custom configure individual requests
delete(uri)	HTTP Delete request
get(uri)	HTTP Get Request
head(uri)	HTTP Head Request

### HTTP Client Methods (cont)

<code>jsonp(uri, callbackParameterName='jsoncallback')</code>	Sends JSONP Request Message
<code>put(uri, content)</code>	HTTP Put Request
<code>patch(uri, content)</code>	HTTP Patch Request
<code>post(uri, content)</code>	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&format=json';
export class Flickr {
  static inject() { return [HttpClient]; }
  constructor(http) {
    this.heading = 'Flickr';
    this.innerHTML = '';
    this.images = [];
    this.http = http;
  }
  activate() {
    return this.fetch();
  }
  fetch() {
    return this.http.get(url).then(response => {
      this.images = response.content.items;
    });
  }
  deactivate() {
    return confirm('Are you sure you want to leave?');
  }
}
```



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

```
> }
}
```

jsonp request returns a promise

### Extending HTML Behaviours

Attached Behaviours	Adds new behavior or functionality to existing HTML element
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Custom Elements	New tags to HTML Markup
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Template Controllers	Convert Dom into inert HTML template
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### Behavior Examples

```
//Attached Behavior (jquery)
<div show.bind="is Saving"
class="spinner"></div>
import {Behavior} from 'aurelia-templating';
export class Show {
  static metadata(){
    return Behavior
      .attachedBehavior('show')
      .withProperty('value', 'value Changed', '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';
```

### 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
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.config = {
      routes: (config => {
        config.title = 'Aurelia';
        config.map([
          { route: ['', 'welcome'], moduleId: './welcome', nav: true, title: 'Welcome' },
          { 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 CustomDetail {
  static inject() { return [HttpClient]; }
  constructor(http) {
    this.http = http;
  }
}
```



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