

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><ma rkd own -editor value.o ne -wa y="m ark dow n">< /ma rkd own -ed ite r></code>
two-way	<code><ma rkd own -editor value.t wo -wa y="m ark dow n">< /ma rkd own -ed ite r></code>
bind	<code><input type="t ext " value.b ind="f irs tNa me"> <a href.b ind="f irs tNa me"></code>
trigger	<code><button click.t ri gge r="s ayH ello" >Say Hello< /bu tto n></code>
delegate	<code><button click.d el ega te="s ayH ello" >Say Hello< /bu tto n></code>
call	<code><div touch.c al l="s ayH ello" >Say Hello< /bu tto n></code>
string interpolation	<code><div class= "dot \${color} \$></code>
ref	<code><input type="t ext " ref="na me"> \${name.value}</code>
select	<code><option repeat.fo r="color of colors " value.b ind="c olo r">\${co lor }</ opt ion></code>
inner html	<code><div innerh tml.bi nd= " htm lPr ope rty " ></ div> <div innerh tml ="\${ htm lPr ope rty - }">< /di v></code>
textContent	<code><div textco nte nt.b ind="s tri ngP rop ert y">< /di v> <div textco nte nt= " \${s tri ng P rop ert y}">< /di v></code>
style	<code><div style.b ind="s tyl eSt rin g">< /di v> <div style.b ind="s tyl eOb ject">< /di v></code>

Template Example Code

```
<template>
  <se cti on>
    <h2 >${ hea din g}
  < /h2>

  <form role="f orm "
    submit.de leg ate ="we lco -
    me ( )">
```

Template Example Code (cont)

```
> <div class="form-group">
  <label for="fn">First Name</label>
  <input type="text" value.bind="firstNa-
me" class="form-control" id="fn" placehold-
er="first name">
</div>
<div class="form-group">
  <label for="ln">Last Name</label>
  <input type="text" value.bind="last-
Name" class="form-control" id="ln" placeh-
older="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>
```

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

HTTP Client Methods (cont)

jsonp(uri, callbackParameterName='jsonpCallback')	Sends JSONP Request
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, revive, requestMessage

HTTP Client Example (Flickr)

```
import {HttpClient} from
'aurelia-http-client';

var url = 'http://a.p.f li -
ckr.co m/s erv ice s/f eed s/p -
hot os_ pub lic.gn e?t ags =ra -
ini er&ta gmo de= any &f orm -
at= json';

export class Flickr{
  static inject() { return
    [HttpC lient]; }

  con str uct or( http){
    thi s.h eading =
    'Flickr';
    thi s.h tmlPr ope rty =
    thi s.i mages = [];

    thi s.http = http;

    act iva te(){
      can Dea cti vate(){
        return confir m('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" />
  <input type="text" ref="name">
  <say-hello to.bind="name.value" />
</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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