Cheatography

Aurelia Getting Started Cheat Sheet

by Erik Hanchett (ErikCH) via cheatography.com/20589/cs/3750/

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	`<markdown-editor value.one-way="markdown"></markdown-editor>`
.two-way	`<markdown-editor value.two-way="markdown"></markdown-editor>`
.bind	`<input type="text" value.bind="firstName"> <a href.bind="url">Aurelia</a>`
trigger	`<button click.trigger="sayHello()">Say Hello</button>`
delegate	`<button click.delegate="sayHello()">Say Hello</button>`
call	`<div touch.call="sayHello()">Say Hello</button>`
string interpolation	`<div class="dot ${color} ${isHappy ? 'green' : 'red'}"></div>`
ref	`<input type="text" ref="name"> ${name.value}`
select	`<option repeat.for="color of colors" value.bind="color">${color}</option>`
inner html	`<div innerhtml.bind="htmlProperty"></div> <div innerhtml="${htmlProperty}"></div>`
textContent	`<div textcontent.bind="stringProperty"></div> <div textcontent="${stringProperty}"></div>`
style	`<div style.bind="styleString"></div> <div style.bind="styleObject"></div>`

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	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='jsoncallback')	Sends JSONPReqeustMessage
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, requestMesssage

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';
        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?');
```

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HTTP Client Example (Flickr) (cont)

```
>  }
}
```

jsonp requet returns a promise

Extending HTML Behaviours

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

Behavior Examples

```
//Attached Behavior (jquery)
<div show.b ind ="is Sav ing " class= " spi nne r">< /di v>
import {Behavior} from 'aurelia- tem pla ting';
export class Show {
    static metada ta(){
        return Behavior
           .at tac hed Beh avior( 'show')
           .wi thP rop ert y(' value', 'value Cha nged', 'show');
   }
//Custom Element
<te mpl ate>
        <re quire from="./ sa y-h ell o">< /re qui re>
        <input type="t ext " ref="na me">
        <sa y-hello to.bind="n ame.va lue " ></ say -hello>
</t emp lat e>
import {Behavior} from 'aurelia- tem pla ting';
```

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]; }
    con str uct or( router) {
        thi s.r outer = router;
        thi s.r out er.c onfig ure (config => {
            con fig.title = 'Aurelia';
            con fig.map([
               { route: ['','welc ome'], moduleId: './welcome', nav: true, title: 'Welcome' },
               { route: 'flickr', moduleId: './fli ckr', nav: true },
               { route: 'child -ro uter', moduleId: './chi ld- rou ter', nav: true, title: 'Child Router' }
          ]);
        });
    }
}
~
```

DI Example

```
import {HttpClient} from 'aurelia-http-client';
export class Custom erD etail{
        static inject() { return [HttpC lient]; }
        con str uct or( http){
              thi s.http = http;
       }
}
```