# Solutons-Exercises: Templating

## 1.List Towns

//towns.js

function attachEvents(){

$('#btnLoadTowns').click(async () => {

let $towns = $('#towns');

let towns = $towns.val().split(',').filter(t => t !== '').map(t => {

let object = {town: t};

return object;

});

if (towns){

let source = $('#towns-template').html();

let template = Handlebars.compile(source);

let context = {towns};

let html = template(context);

$('#root').html(html);

$towns.val('');

}

});

}

//listTown.html

<!DOCTYPE HTML>

<HTML lang="en">

<head>

<meta charset="UTF-8">

<title>List Town</title>

<script src="node\_modules/handlebars/dist/handlebars.min.js"></script>

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<link href="./style.css", type="text/css" rel="stylesheet"></link>

<script src="towns.js"></script>

</head>

<body>

<input id="towns" type="text"/>

<button id="btnLoadTowns">Load</button>

<div id="root"></div>

</body>

<script>

$(() => attachEvents())

</script>

<script type="text/x-handlebars-template" id="towns-template">

<ul>

{{#each towns}}

<li>{{town}}</li>

{{/each}}

</ul>

</script>

</HTML>

//style.css

@import url('https://fonts.googleapis.com/css?family=Sniglet');

body {

margin: 20px;

font-family: 'Sniglet',

cursive;

}

input {

padding: 5px;

border: 2px solid rgb(208, 208, 208);

border-radius: 8px;

font-family: 'Sniglet',

cursive;

outline:none;

}

button {

padding: 5px;

border-radius: 8px;

border: 2px solid rgb(208, 208, 208);

font-weight: bold;

outline: none;

font-family: 'Sniglet',

cursive;

}

button:hover {

background: rgb(243, 243, 243);

}

#root {

margin: 10px 0px;

width: 25%;

border-radius: 8px;

border: 2px dotted rgb(144, 144, 144);

background: rgb(208, 208, 208);

}

ul {

padding: 0px;

}

li {

list-style-type: none;

background: rgb(243, 243, 243);

margin: 5px 0px;

padding: 5px 15px;

}

//package.json

{

"name": "List-Towns",

"version": "1.0.0",

"description": "",

"main": "towns.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"keywords": [],

"author": "",

"license": "ISC",

"dependencies": {

"handlebars": "^4.1.1"

}

}

// **listtown.html**

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>List Town</title> |
|  | <script src="node\_modules/handlebars/dist/handlebars.min.js"></script> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="towns.js"></script> |
|  | </head> |
|  |  |
|  | <body> |
|  | <input id="towns" type="text" /> |
|  | <button id="btnLoadTowns">Load</button> |
|  | <div id="root"></div> |
|  | </body> |
|  | <script> |
|  | $(() => attachEvents()) |
|  | </script> |
|  |  |
|  | </html> |

// **towns.js**

|  |
| --- |
| function attachEvents() { |
|  | $("#btnLoadTowns").click(async () => { |
|  | let towns = $("#towns").val().split(",").filter(t => t !== "").map(t => { |
|  | let obj = { |
|  | town: t |
|  | } |
|  | return obj; |
|  | }); |
|  | if (towns) { |
|  | let source = await $.get("./template.html"); |
|  | let templ = Handlebars.compile(source); |
|  | let context = { |
|  | towns |
|  | } |
|  |  |
|  | let html = templ(context); |
|  |  |
|  | $("#root").html(html); |
|  | $("#towns").val(""); |
|  | } |
|  | }) |
|  | } |

// **template.html**

|  |
| --- |
| <ul> |
|  | {{#each towns}} |
|  | <li>{{town}}</li> |
|  | {{/each}} |
|  | </ul> |

## 2.HTTP Status Cats

//template.js

$(() => {

renderCatTemplate();

async function renderCatTemplate() {

let catsTemplate = await $.ajax({

url: './catsTemplate.html'

});

let complitedTemplate = Handlebars.compile(catsTemplate);

let context = {

cats: window.cats

};

$('#allCats').html(complitedTemplate(context));

}

})

function showInfo(id){

$(`#${id}`).toggle();

}

//catsTemplate.html

{{#each cats}}

<div class="card col-md-4">

<img class="card-img-center" src="./images/{{imageLocation}}.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<!-- <button class="btn btn-primary" onclick="showInfo({{id}})">Show status code</button> -->

<button class="btn btn-primary" onclick="showInfo({{id}})">{{id}}</button>

<div style="display: none" id="{{id}}">

<h4 class="card-title">Status Code: {{statusCode}}</h4>

<p class="card-text">{{statusMessage}}</p>

</div>

</div>

</div>

{{/each}}

//catSeeder.js

(function () {

class Cat {

constructor(id, statusCode, statusMessage, imageLocation) {

this.id = id;

this.statusCode = statusCode;

this.statusMessage = statusMessage;

this.imageLocation = imageLocation;

}

}

let cats = [

new Cat('100', 100, 'Continue', 'cat100'),

new Cat('200', 200, 'Ok', 'cat200'),

new Cat('204', 204, 'No content', 'cat204'),

new Cat('301', 301, 'Moved permanently', 'cat301'),

new Cat('304', 304, 'Not modified', 'cat304'),

new Cat('400', 400, 'Bad request', 'cat400'),

new Cat('404', 404, 'Not Found', 'cat404'),

new Cat('406', 406, 'Not Acceptable', 'cat406'),

new Cat('410', 410, 'Gone', 'cat410'),

new Cat('500', 500, 'Internal Server Error', 'cat500'),

new Cat('511', 511, 'Network Authentication Required', 'cat511')

];

window.cats = cats;

})()

//cats.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Http Status Cats</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"

integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIpG9mGCD8wGNIcPD7Txa"

crossorigin="anonymous"></script>

<!-- <script src="../node\_modules/handlebars/dist/handlebars.js"></script> -->

<script src="./node\_modules/handlebars/dist/handlebars.js"></script>

<script src="catSeeder.js"></script>

</head>

<body>

<div id="allCats">

<!-- <div class="card col-md-4">

<img class="card-img-center" src="images/cat100.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="100">

<h4 class="card-title">Status Code: 100</h4>

<p class="card-text">Continue</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat200.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="200">

<h4 class="card-title">Status Code: 200</h4>

<p class="card-text">Ok</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat204.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="204">

<h4 class="card-title">Status Code: 204</h4>

<p class="card-text">No content</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat301.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="301">

<h4 class="card-title">Status Code: 301</h4>

<p class="card-text">Moved permanently</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat304.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="304">

<h4 class="card-title">Status Code: 304</h4>

<p class="card-text">Not modified</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat400.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="400">

<h4 class="card-title">Status Code: 400</h4>

<p class="card-text">Bad request</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat404.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="404">

<h4 class="card-title">Status Code: 404</h4>

<p class="card-text">Not Found</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat406.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="406">

<h4 class="card-title">Status Code: 406</h4>

<p class="card-text">Not Acceptable</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat410.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="410">

<h4 class="card-title">Status Code: 410</h4>

<p class="card-text">Gone</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat500.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="500">

<h4 class="card-title">Status Code: 500</h4>

<p class="card-text">Internal Server Error</p>

</div>

</div>

</div>

<div class="card col-md-4">

<img class="card-img-center" src="images/cat511.jpg" width="250" height="250" alt="Card image cap">

<div class="card-block">

<button class="btn btn-primary">Show status code</button>

<div style="display: none" id="511">

<h4 class="card-title">Status Code: 511</h4>

<p class="card-text">Network Authentication Required</p>

</div>

</div>

</div> -->

</div>

<!-- <script type="text/x-handlebars-template" id="cat-template">

// TODO: Create template

</script> -->

<script src="template.js"></script>

</body>

</html>

//package.json

{

"name": "HTTP-Status-Cats",

"version": "1.0.0",

"description": "",

"main": "catSeeder.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"keywords": [],

"author": "",

"license": "ISC",

"dependencies": {

"handlebars": "^4.1.1"

}

}

// **catSeeder.js**

|  |
| --- |
| (function () { |
|  | class Cat { |
|  | constructor(id, statusCode, statusMessage, imageLocation) { |
|  | this.id = id; |
|  | this.statusCode = statusCode; |
|  | this.statusMessage = statusMessage; |
|  | this.imageLocation = imageLocation; |
|  | } |
|  | } |
|  |  |
|  | let cats = [ |
|  | new Cat('100', 100, 'Continue', 'cat100'), |
|  | new Cat('200', 200, 'Ok', 'cat200'), |
|  | new Cat('204', 204, 'No content', 'cat204'), |
|  | new Cat('301', 301, 'Moved permanently', 'cat301'), |
|  | new Cat('304', 304, 'Not modified', 'cat304'), |
|  | new Cat('400', 400, 'Bad request', 'cat400'), |
|  | new Cat('404', 404, 'Not Found', 'cat404'), |
|  | new Cat('406', 406, 'Not Acceptable', 'cat406'), |
|  | new Cat('410', 410, 'Gone', 'cat410'), |
|  | new Cat('500', 500, 'Internal Server Error', 'cat500'), |
|  | new Cat('511', 500, 'Network Authentication Required', 'cat511') |
|  | ]; |
|  |  |
|  | window.cats = cats; |
|  | })() |

// **catTemplate.html**

|  |
| --- |
| {{#each cats}} |
|  | <div class="card col-md-4"> |
|  | <img class="card-img-center" src="images/{{imageLocation}}.jpg" width="250" height="250" alt="Card image cap"> |
|  | <div class="card-block"> |
|  | <button class="btn btn-primary" onclick="showInfo({{id}})">{{statusCode}}</button> |
|  | <div style="display: none" id="{{id}}"> |
|  | <h4 class="card-title">Status Code: {{statusCode}}</h4> |
|  | <p class="card-text">{{statusMessage}}</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | {{/each}} |

// **cats.html**

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Http Status Cats</title> |
|  | <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" |
|  | crossorigin="anonymous"> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIpG9mGCD8wGNIcPD7Txa" |
|  | crossorigin="anonymous"></script> |
|  | <script src="../node\_modules/handlebars/dist/handlebars.js"></script> |
|  | <script src="catSeeder.js"></script> |
|  | </head> |
|  |  |
|  | <body> |
|  | <div id="allCats"></div> |
|  | <script src="template.js"></script> |
|  | </body> |
|  |  |
|  | </html> |

// **template.js**

|  |
| --- |
| $(() => { |
|  | renderCatTemplate(); |
|  |  |
|  | async function renderCatTemplate() { |
|  | let cats = window.cats; |
|  |  |
|  | let source = await $.get("/catTemplate.html"); |
|  | let templ = Handlebars.compile(source); |
|  |  |
|  | let context = { |
|  | cats |
|  | }; |
|  |  |
|  | let html = templ(context); |
|  |  |
|  | $("#allCats").html(html); |
|  | } |
|  |  |
|  | }) |
|  |  |
|  | function showInfo(id) { |
|  | $(`#${id}`).toggle(); |
|  | } |

## 3.Popular Monkeys

//monkeysTemplate.js

$(() => {

loadMonkeys();

async function loadMonkeys(){

let allMonkeysHtml = await $.ajax({

url: './allMonkeys.html'

});

let monkeyHtml = await $.ajax({

url: './monkey.html'

});

let allMonkeysTemplate = Handlebars.compile(allMonkeysHtml);

let monkeyTemplate = Handlebars.compile(monkeyHtml);

let context = {

monkeys

};

Handlebars.registerPartial('monkey', monkeyTemplate);

$('div.monkeys').html(allMonkeysTemplate(context));

}

})

function showInfo(id){

$(`#${id}`).toggle();

}

//index.html

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Popular Monkeys</title>

<script src="node\_modules/handlebars/dist/handlebars.min.js"></script>

<link rel="stylesheet" type="text/css" href="./style.css"/>

<script src="http://code.jquery.com/jquery-3.3.1.min.js"></script>

<script src="./monkeys.js"></script>

<script src="./monkeysTemplate.js"></script>

</head>

<body>

<section>

<h1>Most popular monkeys</h1>

<div class="monkeys">

<!-- <div class="monkey">

<h2>Chim Chim</h2>

<img src="./images/chim-chim.jpg">

<button>Info</button>

<p style="display: none" id="2">

Chim Chim and Speed Racer's kid brother Spritle provide the comic relief on this classic cartoon. Their relationship is

a strong (if not a little bizarre) one; they're essentially joined at the hip, and they consistently rock matching

outfits as they plot new, wacky ways to get their hands on some candy.

</p>

</div> -->

</div>

</section>

</body>

<!-- <script type="text/x-handlebars-template" id="monkey-template">

/\* Write your template here \*/

</script> -->

</html>

//allMonkeys.html

{{#each monkeys}}

{{> monkey}}

{{/each}}

//monkey.html

<div class="monkey">

<h2>{{name}}</h2>

<img src="{{image}}">

<button onclick="showInfo({{id}})">Info</button>

<p style="display: none" id="{{id}}">

{{info}}

</p>

</div>

//monkeys.js

const monkeys = [

{

id: 1,

name: "Chim Chim",

image: "./images/chim-chim.jpg",

info: "Chim Chim and Speed Racer's kid brother Spritle provide the comic relief on this classic cartoon. Their relationship is a strong (if not a little bizarre) one; they're essentially joined at the hip, and they consistently rock matching outfits as they plot new, wacky ways to get their hands on some candy."

},

{

id: 2,

name: "Moon Watcher",

image: "./images/moon-watcher.jpg",

info: "This clever ape represents the evolution of man as he picks up a bone and learns to use it as a weapon to club his prey in this iconic opening scene."

},

{

id: 3,

name: "Jack",

image: "./images/jack.png",

info: "Who needs a parrot, anyway? Captain Barbossa swaps out the more traditional squawker for a monkey in the Pirates movies. And Jack’s not to be trifled with—he's undead, just like his owner."

},

{

id: 4,

name: "Grape Ape",

image: "./images/grape-ape.jpg",

info: "He's a giant purple gorilla with a limited vocabulary and a heart of gold. What more do you need in a Saturday morning cartoon?"

},

{

id: 5,

name: "Abu",

image: "./images/abu.png",

info: "Abu is sort of like Aladdin’s version of a Greek chorus, constantly pulling faces and reacting to the action and occasionally uttering a word here or there in a Donald Duck-style voice. Can you blame him? He’s got a lot to deal with, like being turned into an elephant against his will."

},

{

id: 6,

name: "Marcel",

image: "./images/marcel.png",

info: "All good things must come to an end, and Marcel's time on Friends was no exception. Everyone's favorite 'The Lion Sleeps Tonight'-obsessed Capuchin monkey got donated to a zoo by Ross after he began humping everything in sight. Later Ross finds out that Marcel was stolen from the zoo and is starring in a movie."

}

]

//style.css

@import url('https://fonts.googleapis.com/css?family=Noto+Sans');

body {

height: 100%;

font-family: 'Noto Sans',

sans-serif;

margin: 0;

}

section {

background: linear-gradient(rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)),

url("./images/forest.jpg");

background-size: cover;

background-repeat: no-repeat;

background-position: left top;

height: 180vh;

padding: 0 5rem;

}

h1, h2 {

text-align: center;

color: #FFFAEC;

}

h1 {

font-size: 40px;

}

div.monkeys {

display: flex;

justify-content: start;

flex-wrap: wrap;

text-align: center;

}

div.monkey {

display: inline-block;

width: 30%;

padding: 7px;

}

img {

max-height: 250px;

border: 2px solid white;

}

button {

display: block;

margin: 0 auto;

margin-top: 5px;

border: 2px solid white;

color: white;

background: transparent;

text-transform: uppercase;

font-weight: bold;

font-size: 20px;

padding: 10px 15px;

}

button:hover {

cursor: pointer;

text-decoration: underline;

background: rgba(0, 0, 0, 0.5);

}

p {

font-size: 20px;

color: #FFFAEC;

background: rgba(0, 0, 0, 0.5);

padding: 15px 9px;

height: 215px;

}

//package.json

{

"name": "Monkeys",

"version": "1.0.0",

"description": "",

"main": "monkeys.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"keywords": [],

"author": "",

"license": "ISC",

"dependencies": {

"handlebars": "^4.1.0"

}

}