.class - elemento com classe

.class1.class2 - elemento com as 2 classes

#id - elemento com id

element - elementos com tag

element.class - elementos com tag e classe

element1,element2 - elementos com tag

elemento1 ou elemento2

element1 element2 - todos os elementos

element2 que estejam dentro de um element1

element1>element2 - todos os elementos

element2 em que o pai seja um element1

In short: more specific rules override

more general ones

em caso de empate a ultima a aparecer ganha

Bootstrap é uma CSS Framework

<table>

<h5>Games:</h5>

<thead class="thead-dark">

<tr>

{{#each header as |column|}}

<th scope="col" class="test-class">{{column}}</th>

{{/each}}

</tr>

</thead>

<tbody>

{{#if elements}}

{{#each elements as |row|}}

<tr>

<td name="gameId">{{row.id}}</td>

<td>

<button id="{{@index}}" name="remove" type="button" >R</button>

</td>

</tr>

{{/each}}

{{else}}

<tr>

<td colspan="5" class="no-records">No records found!</td>

</tr>

{{/if}}

</tbody>

</table>

//user o this é user o proprio objeto em vez de nome da propriedade

var template = Handlebars.compile("Handlebars <b>{{doesWhat}}</b>");

template({ doesWhat: "rocks!" })

{

person: {

firstname: "Yehuda",

lastname: "Katz"

}

}

{{#with person}}

{{firstname}} {{lastname}}

{{/with}}

{{person.firstname}} {{person.lastname}}

Document Object Model, “DOM”, is an interface to web pages.

allows read and manipulate the page’s content, structure, and styles.

The Document interface represents any web page loaded in the browser and

serves as an entry point into the web page's content, which is the DOM tree.

The Window interface represents a window containing a DOM document

window.location - alteraçao forca refresh

location.hash - alteraçao nao forca refresh

element = document.querySelector(selectors);

elementList = document.querySelectorAll(selectors);

element = document.getElementById(id);

element.addEventListener(type,listener);

element.className

eventos: change, click, copy, focus, hashchange,

input, keypress, mouseenter, mouseleave

event bubbling - eventos começam do elementos mais

abaixo no DOM e propagam-se para os elementos de cima

<form id="searchGamesForm">

<input type="text" name="gameName" placeholder="name" value="" />

<input type="submit" />

</form>

input types: checkbox, email, hidden, image, password, number

let headers = new Headers();

let options = {

method: "GET".

headers: headers

}

fetch(url, options).then(resp => resp.json())

.then(body => console.log(body));

Response.headers

Response.ok

Response.status

Response.url

Response.json()

Response.formData()

Headers.getAll()

Headers.get(name)

Headers.append(name, value)

GET /twitter/\_search

{

"query" : {

"term" : { "user" : "kimchy" }

}

}

{

//...

"hits":{

"total" : {

"value": 1,

"relation": "eq"

},

"max\_score": 1.3862944,

"hits" : [

{

"\_index" : "twitter",

"\_type" : "\_doc",

"\_id" : "0",

"\_score": 1.3862944,

"\_source" : {

"user" : "kimchy",

"message": "trying out Elasticsearch",

"date" : "2009-11-15T14:12:12",

"likes" : 0

}

}

]

}

}

GET twitter/\_doc/0

{

"\_index" : "twitter",

"\_type" : "\_doc",

"\_id" : "0",

"\_version" : 1,

"\_seq\_no" : 10,

"\_primary\_term" : 1,

"found": true,

"\_source" : {

"user" : "kimchy",

"date" : "2009-11-15T14:12:12",

"likes": 0,

"message" : "trying out Elasticsearch"

}

}

1xx Informational response

100 Continue -everything so far is OK, the client can continue the

request or ignore if it's finished.

101 Switching Protocol - indicates the protocol the server is switching to

102 Processing (WebDAV) - indicates the server received and is

processing the request, but no response available yet.

103 Early Hints

2xx Success

200 OK - The request has succeeded

201 Created - The request has succeeded, and new resource was created

202 Accepted - has been received but not yet acted upon

203 Non-Authoritative - meta-information set is not exact set as available

from the origin server but collected from a local or a third-party copy.

204 No Content - no content to send for this request

205 Reset

206 Partial

207 Multi-Status (WebDAV) - conveys information

about multiple resources

208 Multi-Status (WebDAV)

226 IM Used (HTTP Delta encoding)

3xx Redirection

300 Multiple Choice

301 Moved Permanently - URI of the requested

resource has been changed permanently

302 Found - has been changed temporarily

303 See Other - direct the client to get the requested

resource at another URI with a GET request.

304 Not Modified - has not been modified, so

the client can use cached version

305 Use Proxy - deprecated

306 unused - deprecated

307 Temporary - direct the client to get resource at

another URI with same method that was used in the prior request

308 Permanent - resource is now permanently located at

another URI, specified by the Location: HTTP Response header

4xx Client errors

400 Bad Request - server could not understand the request due to invalid syntax

401 Unauthorized - Asemantically this response means "unauthenticated"

402 Payment Required - This response code is reserved for future use

403 Forbidden - does not have access rights to the content,

unlike 401, the client's identity is known to the server.

404 Not Found - The server can not find requested resource.

405 Method Not Allowed - The request method is known

by the server but has been disabled and cannot be used

406 Not Acceptable

407 Proxy Authentication Required - This is similar to

401 but authentication is needed to be done by a proxy.

408 Request Timeout - sent on an idle connection by some servers

409 Conflict - conflicts with the current state of the server

410 Gone - content has been permanently deleted from server

411 Length Required - Content-Length header field is required

412 Precondition Failed

413 Payload Too Large - payload larger

than limits defined by server

414 URI Too Long - URI longer than server allows

415 Unsupported Media Type - The media format

is not supported by server

416 Requested Range Not Satisfiable

417 Expectation Failed

418 I'm a teapot - joke

421 Misdirected Request

422 Unprocessable Entity (WebDAV)

423 Locked (WebDAV)

424 Failed Dependency (WebDAV)

425 Too Early

426 Upgrade Required

428 Precondition Required

429 Too Many Requests - sent too

many requests ("rate limiting").

431 Request Header Fields Too Large

451 Unavailable For Legal Reasons

5xx Server errors

500 Internal Server Error - error

server doesn't know how to handle.

501 Not Implemented - The

request method is not supported

502 Bad Gateway

503 Service Unavailable - The server

is not ready to handle the request

504 Gateway Timeout - server is acting as

gateway and cannot get a response in time.

505 HTTP Version Not Supported

506 Variant Also Negotiates

507 Insufficient Storage

508 Loop Detected (WebDAV)

510 Not Extended

511 Network Authentication Required

construtor - new Function('a', 'b', 'return a + b');

[].slice.call(arguments) - por arguments em array

func.apply(thisArg [, argsArray]);

func.call([thisArg[, arg1, arg2, ...argN]])

fixar o this de uma função - func.bind(thisArg)

prototype is a reference to another object and contains common

attributes/properties across all instances of the object

Arrow functions do not have a prototype property

Object.create(null) - criar objeto sem prototype

Object.create(Person) - criar objeto que herda do prototype Person

Object.prototype.constructor

Object.keys(obj)

Object.values(obj)

The webpack library allows to bundle javascript files into one big file,

bundle other static resources like images, handle bar files, css files, etc.

field "module" several loaders are defined, to be able to load

static resources like images, css files and handlebars files.

"HtmlWebpackPlugin" plugin was used to simplify the creation

of HTML files to serve the webpack bundles.

npm run-script -> arbitrary command from a

package’s "scripts", same as npm-build

npm-build: executes build instruction on package.json

new Promise(function(resolve, reject) {

try {

setTimeout(resolve, 100, 'foo');

} catch() {

reject(e);

}

});

Promise.all([promise1, promise2, promise3]).then(function(values) {

console.log(values);//array of values

});

array.slice() - copy

arrat.slice(init, end) - sub arrany

end index not included in array

array.find((element, index, array)=>{})

- retorna o objeto se exstir ou undefined

array.findIndex((element, index, array)=>{})

- retorna index da 1ª ocorrencia ou -1

array.indexOf(arg) - igual a findIndex

array.includes(arg, fromIndex) - devolve true se encontrar

array.map((element, index, array)=>{})

array.filter((element, index, array)=>{return boolean for no filtering})

array.reduce((accumulator, element, index, array)

=>{accumulator+element}, valor inicial)

array.sort((a,b)=>{

0 - iguais

1 - a > b

-1 - b < a

})

describe('Service-groups tests:', function() {

it('Should return list with 3 groups', function(done) {

resP.then((res) => { //ou catch em caso de erro

assert.equal(3, res.body.length);

done();//tem de ser chamada apenas 1 vez

});

});

});

before - before all tests on describe

after - after all tests on describe

beforeEach - before each test on describe

afterEach - after each test on describe

const express = require('express')

const app = express()

app.get('/games/:name', function (req, res) {

res.send('Hello World')

})

REQUEST:

Accept: application/json, application/x-www-form-urlencoded,

application/xml, text/html, text/css, text/csv, text/plain,

application/javascript, image/jpeg, image/png, image/gif

Accept-Encoding: gzip, deflate

Content-Type: (ver Accept)

Cookie: UserID=JohnDoe;

User-Agent: quem enviou pedido

RESPONSE:

Content-Encoding: (ver Accept-Encoding)

Location: utilizado em redirects

Set-Cookie: UserID=JohnDoe;

ENV FILE

BAR=bar1

exports FOO=foo2

var env = require('node-env-file');

process.env.FOO = "defaultfoo";

new Date()

new Date().getTime() - since 1970/01/01

-g or --global, it installs the package as global.

--production flag (or NODE\_ENV environment variable is "production"),

npm will not install modules listed in devDependencies

-P, --save-prod: Package will appear in your dependencies.

This is the default unless -D or -O are present.

-D, --save-dev: Package will appear in your devDependencies.

-O, --save-optional: Package will appear in your optionalDependencies.

--no-save: Prevents saving to dependencies.

Two aditional flags when saving packages to package.json:

-E, --save-exact: Saved dependencies will be configured with an exact

version rather than using npm’s default semver range operator.

-B, --save-bundle: Saved dependencies will also be added to

your bundleDependencies list.

configs:

server.use(session({ //express-session

secret: props.session.secretKey,

resave: false,

saveUninitialized: false

}));

server.use(passport.initialize());

server.use(passport.session());

initialize: foram definidas estratégias de serializacao e desserializacao do user,

local strategy, authentication process

authMw: function(req, rsp, next) {

if (req.isAuthenticated()) {

return next();

} else {

res.redirect("/")

}

}

GET - deve retornar apenas dados.

HEAD - GET sem conter o corpo da resposta.

POST - submeter uma entidade a um recurso específico, causando

mudança de estado do recurso ou efeitos colaterais no servidor.

PUT - substitui todas as atuais representações do recurso d

destino pela carga de dados da requisição.

DELETE - remove um recurso

CONNECT - faz túnel para servidor identificado pelo recurso.

OPTIONS - descrever as opções de comunicação com o recurso.

TRACE - executa um teste loop-back com o caminho para o recurso.

PATCH - aplica modificações parciais a recurso.