```
Document Object Model, "DOM", is an interface to web pages
                                                                                                                                                                                                                     array.slice() - copy
   <h5>Games:</h5>
<thead class="thead-dark">
                                                                                                                 allows read and manipulate the page's content, structure, and styles. The Document interface represents any web page loaded in the browser and
                                                                                                                                                                                                                     arrat.slice(init, end) - sub arrany
                                                                                                                                                                                                                     end index not included in array
                                                                                                                  serves as an entry point into the web page's content, which is the DOM tree.
                                                                                                                                                                                                                     array.find((element, index, array)=>{})
           {{#each header as |column|}}
                                                                                                                 The Window interface represents a window containing a DOM document.
                                                                                                                                                                                                                      retorna o objeto se exstir ou undefined
              {{column}}
                                                                                                                 document.readyState - property describes the loading state of the document
                                                                                                                                                                                                                     array.findIndex((element, index, array)=>{})
           {{/each}}
                                                                                                                 (loading, interactive, complete)
                                                                                                                                                                                                                      retorna index da 1º ocorrencia ou -1
                                                                                                                 interactive - the document has finished loading but sub resources like imeges
       array.indexOf(arg) - igual a findIndex
    </thead>
                                                                                                                 and stylesheets and frames are still loading
                                                                                                                                                                                                                     array.includes(arg, fromIndex) - devolve true se encontrar
   complete - trigger load event
window.location - alteração forca refresh
                                                                                                                                                                                                                     array.map((element, index, array)=>{})
       {{#if elements}}
                                                                                                                                                                                                                     array.filter((element, index, array)=>{return boolean for no filtering})
          {{#each elements as |row|}}
                                                                                                                 location.hash - alteração não forca refresh
                                                                                                                                                                                                                     array.reduce((accumulator, element, index, array)
              element = document.querySelector(selectors);
                                                                                                                                                                                                                     reduce implementado manualmente:
                                                                                                                  elementList = document.querySelectorAll(selectors);
                  {{row.id}}
                                                                                                                                                                                                                     function reduce(array, func, start)
                                                                                                                 element = document.getElementById(id);
element.addEventListener(type,listener, useCapture);
                  <button id="{{@index}}" name="remove" type="button" >R</button>
                                                                                                                                                                                                                        let current = start
                  useCapture – true se quiser usar capturing, default false usa bubling
                                                                                                                                                                                                                        for(let element of array)
              element.className - mudar a class
          {{/each}}
                                                                                                                 document.querySelector("input").disabled = true
                                                                                                                                                                                                                           current = func(current, element)
       {{else}}
                                                                                                                 eventos: change, click, copy, focus, hashchange,
                                                                                                                 input, keypress, mouseenter, mouseleave
           return current
              No records found!
                                                                                                                  onload - occurs when an object has been loaded, most often used within the
           <body> element to execute a script once a web page has completely loaded
                                                                                                                                                                                                                     =>{accumulator+element}, valor inicial)
       {{/if}}
                                                                                                                  all content (including images, script files, CSS files, etc.)
                                                                                                                                                                                                                     array.sort((a,b)=>{
   <form id="searchGamesForm">
                                                                                                                                                                                                                                       0 - iguais
                                                                                                                    <input type="text" name="gameName" placeholder="name" value="
//user o this é user o proprio objeto em vez de nome da propriedade
                                                                                                                     <input type="submit" />
                                                                                                                                                                                                                                        -1 - b < a
var template = Handlebars.compile("Handlebars <b>{{doesWhat}}</b>");
                                                                                                                  </form>
                                                                                                                                                                                                                     })
template({ doesWhat: "rocks!" })
                                                                                                                  input types: checkbox, email, hidden, image, password, number
                                                                                                                                                                                                                     const array1 = [1, 2, 3];
                                                            et headers = new Headers();
                                                                                                                                                                                                                     const firstElement = array1.shift();
                                                                                                                 event bubbling - eventos começam do elementos mais abaixo no DOM e
 person: {
                                                           let options = {
                                                                                                                                                                                                                     //Array [2, 3]
   firstname: "Yehuda",
                                                               method: "GET".
                                                                                                                 propagam-se para os elementos de cima
                                                                                                                                                                                                                     var arr = [1, 2]:
   lastname: "Katz"
                                                               headers: headers
                                                                                                                 Event Capturing - is the event starts from top element to target element.
                                                                                                                                                                                                                     arr.unshift(-2, -1); // = 5
                                                                                                                 event.stopPropagation(); - prevents further propagation of the current event // arr is [-2, -1, 0, 1, 2]
                                                                                                                 in the capturing and bubbling phases
                                                            fetch(url, options).then(resp =>
                                                                                                                                                                                                                     retorna comprimento de novo array
{{#with person}}
                                                           resp.ison())
                                                                                                            Safe methods - GET and HEAD methods SHOULD NOT have the significance of taking an action other than retrieval
                                                            .then(body => console.log(body));
{{firstname}} {{lastname}}
                                                                                                           These methods ought to be considered "safe". This allows user agents to represent other methods, such as POST, PUT and DELETE, in a special way, so that the user is made aware of the fact that a possibly unsafe action is being requested.
                                                            Response headers
{{/with}}
{{person.firstname}} {{person.lastname}}
                                                           Response.ok
                                                                                                           Naturally, it is not possible to ensure that the server does not generate side-effects as a result of performing a GET request;
                                                            Response.status
                                                                                                           in fact, some dynamic resources consider that a feature. The important distinction here is that the user did not request
                                                            Response.url
.class - elemento com classe
                                                                                                           the side-effects, so therefore cannot be held accountable for them.
                                                           Response.json()
.class1.class2 - elemento com as 2 classes
                                                                                                           Idempotent Methods - Methods can also have the property of "idempotence" in that (aside from error or expiration issues) the side-effects of N > 0 identical requests is the same as for a single request. The methods GET, HEAD, PUT and DELETE share this property. Also,
                                                            Response.formData()
#id - elemento com id
                                                            Headers.getAll()
element - elementos com tag
                                                                                                           the methods OPTIONS and TRACE SHOULD NOT have side effects, and so are inherently idempotent.
                                                            Headers.get(name)
element.class - elementos com tag e classe
element1,element2 - elementos com tag
                                                           Headers.append(name, value)
                                                                                                                                                                      In the Node.js module system, each file is treated as a separate module
elemento1 ou elemento2
element1 element2 - todos os elementos
                                                                                                                                                                      Functions and objects are added to the root of a module by specifying additional properties on the
                                                                                                                                                                       special exports object
element2 que estejam dentro de um element1
                                                                                                                                                                      The module exports property can be assigned a new value (such as a function or object). The core modules are defined within Node is's source and are located in the lib/folder.
element1>element2 - todos os elementos
element2 em que o pai seja um element1
                                                                                  addMusicToList: async function(playListId, musicId){
                                                                                                                                                                      If the NODE_PATH environment variable is set to a colon-delimited list of absolute paths, then Node.js
In short: more specific rules override
                                                                                                    let playList = await
                                                                                                                                                                       will search those paths for modules if they are not found elsewhere.
more general ones
                                                                                  yamaDb.getPlaylistById(playListId); //devolve a playList pelo ID
                                                                                                                                                                      The module wrapper:
em caso de empate a ultima a aparecer ganha
                                                                                   ou undefined se nao existir
                                                                                                                                                                       Before a module's code is executed, Node.js will wrap it with a function wrapper (below)
Bootstrap é uma CSS Framework
                                                                                                                       \label{thm:condition} \begin{tabular}{ll} (function(exports, require, module, \_filename, \_dirname) & (function(exports, require, module, \_filename, \_dirname, \_filename, \_filenam
                                                                                                    if(!playList){
The CSS box model is essentially a box that
wraps around every HTML element. It consists
                                                                                  that id");
                                                                                                                                                                      }):
of: margins, borders, padding, and the actual
                                                                                                                                                                       -it keeps top-level variables (defined with var, const or let) scoped to the module rather than the global
                                                                                                                       err.status = 404;
                                                                                                                                                                       -It helps to provide some global-looking variables that are actually specific to the module, such as:
REQUEST:
                                                                                                                                                                       The module and exports objects that the implementor can use to export values from the module.
                                                                                                    if(playList.allowRepeats | |
 Accept: application/json, application/x-www-form-urlencoded, !playList.musics.find(music.id === musicId)) {
                                                                                                                                                                       The convenience variables __filename and __dirname, containing the module's absolute filename and
 application/xml, text/html, text/css, text/csv, text/plain,
                                                                                                                       vamaDb.addGameToList(playListId, directory path.
 application/javascript, image/jpeg, image/png, image/gif, */*
                                                                                  musicId)//adiciona uma musica a playlist
 Accept-Encoding: gzip, deflate
                                                                                                    } else {
Content-Type: (ver Accept)
Cookie: UserID=JohnDoe;
                                                                                                                       let err = new Error("Cannot add
                                                                                  repeated music for this playlist");
 User-Agent: quem enviou pedido
                                                                                                                       err.status = 500:
 RESPONSE:
                                                                                                                       throw err;
 Content-Encoding: (ver Accept-Encoding)
                                                                                                    }
                                                                                                                                                                                                               Passport is authentication middleware for Node.is.
 Location: utilizado em redirects
                                                                                                                                                                                                               The verify callback invokes "done" to supply Passport with the user that
 Set-Cookie: UserID=JohnDoe;
                                                                                                                                                                                                               authenticated
                                                                                  function promisify(fn) {
                                                                                                                                                                                                               be sure to use session() before passport.session() to ensure that the login
     function profile(fn) {
                                                                                     let oldFn = fn;
                                                                                                                                                                                                               session is restored in the correct order, passport session poe o objeto do
       let newFn = function () {
                                                                                     return async function() {
          let start = new Date().getTime();
                                                                                                                                                                                                               user no request
                                                                                       let args = arguments;
          let result = fn.apply(null, arguments).then(res => {
    let end = new Date().getTime();
                                                                                                                                                                                                                let passportInitializer = (bcrypt, localStrategy, CiborgError) => {
                                                                                        return new Promise(function(resolve, reject) {
                                                                                                                                                                                                                  function initialize(passport, getUserById) {
  const authenticateUser = async(userId, password, done) => {
                                                                                          let cb = (err, res) => {
             newFn.execs.push(end - start);
                                                                                             if(err){
             return res:
                                                                                                reject(err);
                                                                                                                                                                                                                          const userData = await getUserById(userId);
                                                                                             } else {
                                                                                                                                                                                                                          const user = userData.body;
          return result;
                                                                                                resolve(res);
                                                                                                                                                                                                                          let isMatch = await bcrypt.compare(password, user.password);
                                                                                                                                                                                                                          if (isMatch) {
       newFn.execs = [];
                                                                                                                                                                                                                              return done(null, user);
       newFn.avgDur = function () {
                                                                                          args = [].slice.call(args);
          return (newFn.execs.reduce((accum, curr) =>
                                                                                                                                                                                                                          } else {
                                                                                          args.push(cb);
                                                                                                                                                                                                                             throw new CiborgError(null,
    accum + curr, 0) / newFn.execs.length);
                                                                                          oldFn.apply(null, args);
                                                                                                                                                                                                                                'Error in passport initializer.',
                                                                                       });
                                                                                                                                                                                                                                 'Password Incorrect.'.
       return newFn;
                                                                                    }
                                                                                                                                                                                                                                 '500' // Internal Server Error
                                                                                                                                                                                                                             );
  fetch = function() {
                                                                                 document.guerySelector("#artists").addEventListener("change", listener);
     let originalFetch = fetch;
                                                                                                                                                                                                                       } catch (err) {
     return async (p, o) => {
                                                                                                                                                                                                                          if (!(err instanceof CiborgError)) {
                                                                                 async function listener(e) {
        try {
                                                                                    let input = document.querySelector("#artists");
                                                                                                                                                                                                                             err = new CiborgError(err,
           let cachedResp = fetch.map[p];
                                                                                    let div = document.querySelector("#suggestions");
                                                                                                                                                                                                                                'Error in passport initializer.',
           if (!cachedResp) {
                                                                                    if(input.value.length < 3) {
                                                                                                                                                                                                                                 'Unable to login.'
             let resp = await originalFetch(p, o);
                                                                                        if(input.className != "hiddenAutoComplete") {
  input.className = "hiddenAutoComplete";
                                                                                                                                                                                                                                '500' // Internal Server Error
             if(resp.headers.has("Cache-Control") === "private"
                                                                                                                                                                                                                             );
              || resp.headers.has("Cache-Control") === "public")){
                                                                                        div.innerHtml = "";
                                                                                                                                                                                                                          console.log(err)
                fetch.map[p] = resp;
                                                                                    } else {
                                                                                                                                                                                                                          done(err);
                                                                                        if(input.className != "visibleAutoComplete") {
              return resp;
                                                                                           input.className = "visibleAutoComplete";
          } else {
                                                                                                                                                                                                                     passport.use(new localStrategy({
             return cachedResp;
                                                                                                                                                                                                                       usernameField: "userId",
passwordField: "password"
                                                                                        let artists = await getArtistsNames(input.value, 10);
let htmlList = "";;
        } catch(e){
                                                                                        artists.forEach(e => {
                                                                                                                                                                                                                     }, authenticateUser));
           console.log(e)
                                                                                           artistList += `<div>${e.name}</div>`;
                                                                                                                                                                                                                     passport.serializeUser((user, done) => done(null, user.userId));
passport.deserializeUser((id, done) => done(null, id));
                                                                                         div.innerHtml = artistList;
                                                                                                                                                                                                                  return initialize;
  fetch.map = {}:
```

```
-g or --global, it installs the package as global
 1xx Informational response
                                                                                                     GET - deve retornar apenas dados
100 Continue -everything so far is OK, the client can continue the
                                                                                                     HEAD - GET sem conter o corpo da resposta.
POST - submeter uma entidade a um recurso específico, causando
                                                                                                                                                                                                    --production flag (or NODE_ENV environment variable is "production"),
request or ignore if it's finished.
                                                                                                                                                                                                   npm will not install modules listed in devDependencies
101 Switching Protocol - indicates the protocol the server is switching to 102 Processing (WebDAV) - indicates the server received and is
                                                                                                     mudança de estado do recurso ou efeitos colaterais no servidor.
PUT - substitui todas as atuais representações do recurso d
                                                                                                                                                                                                   -P, --save-prod: Package will appear in your dependencies
This is the default unless -D or -O are present.
processing the request, but no response available yet.
                                                                                                     destino pela carga de dados da requisição.
                                                                                                                                                                                                    -D, --save-dev: Package will appear in your devDependencies.
 103 Early Hints
                                                                                                     DELETE - remove um recurso
                                                                                                                                                                                                    -O, --save-optional: Package will appear in your optionalDependencies.
                                                                                                     CONNECT - faz túnel para servidor identificado pelo recurso.
                                                                                                                                                                                                    --no-save: Prevents saving to dependencies.
2xx Success
200 OK - The request has succeeded
                                                                                                     OPTIONS - descrever as opções de comunicação com o recurso.
                                                                                                                                                                                                    Two aditional flags when saving packages to package.json:
201 Created - The request has succeeded, and new resource was created
                                                                                                     TRACE - executa um teste loop-back com o caminho para o recurso.
                                                                                                                                                                                                   -E. --save-exact; Saved dependencies will be configured with an exact
202 Accepted - has been received but not yet acted upon
                                                                                                     PATCH - aplica modificações parciais a recurso.
                                                                                                                                                                                                    version rather than using npm's default semver range operator.
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.
                                                                                                                                                                                                    -B, --save-bundle: Saved dependencies will also be added to
                                                                                                                                                                                                   your bundleDependencies list.
                                                                                                                                                  ENV FILE
204 No Content - no content to send for this request
205 Reset
                                                                                     server.use(session({ //express-session
                                                                                                                                                                                                     Middleware - functions that have access to the
                                                                                                                                                                                                                                                                            code executed by setTimeout()
                                                                                                                                                  exports FOO=foo2
206 Partial
                                                                                                                                                                                                    request object (req), the response object (res),
                                                                                                                                                                                                                                                                            is called from an execution
                                                                                        secret: props.session.secretKey.
                                                                                                                                                  var env = require('node-env-file');
207 Multi-Status (WebDAV) - conveys information
                                                                                                                                                                                                     and the next middleware
                                                                                                                                                                                                                                                                            context separate from the
                                                                                                                                                  process.env.FOO = "defaultfoo";
about multiple resources
                                                                                        saveUninitialized: false
                                                                                                                                                                                                     Passar erros -> next(err)
                                                                                                                                                                                                                                                                            function from which
208 Multi-Status (WebDAV)
226 IM Used (HTTP Delta encoding)
                                                                                                                                                                                                                                                                            setTimeout was called
                                                                                                                                                                                                     Apanhar erros do outro lado -> (err, req, res, next)
                                                                                     }));
                                                                                                                                                                      var fs = require('fs');
fs.readFile('DATA', 'utf8', function(err, contents) {
                                                                                                                                                                                                                                                                            Default this is global scope, set
                                                                                     server.use(passport.initialize());
3xx Redirection
                                                                                                                                                                                                                                                                            via apply or bind
                                                                                     server.use(passport.session());
                                                                                                                                                                        console.log(contents);
300 Multiple Choice
                                                                                     initialize: foram definidas estratégias de serializacao e
301 Moved Permanently - URI of the requested
                                                                                     desserializacao do user,
resource has been changed permanently
                                                                                     local strategy, authentication process
                                                                                                                                                 The webpack library allows to bundle javascript files into one big file,
302 Found - has been changed temporarily
303 See Other - direct the client to get the requested
                                                                                     authMw: function(req, rsp, next) {
                                                                                                                                                bundle other static resources like images, handle bar files, css files, etc. field "module" several loaders are defined, to be able to load
                                                                                         if (req.isAuthenticated()) {
                                                                                                                                                                                                                                                  describe('Service-groups tests:', function() {
   it('Should return list with 3 groups', function(done) {
resource at another URI with a GET request.
                                                                                            return next();
                                                                                                                                                 static resources like images, css files and handlebars files
304 Not Modified - has not been modified, so
                                                                                         } else {
                                                                                                                                                                                                                                                         resP.then((res) => { //ou catch em caso de erro
assert.equal(3, res.body.length);
                                                                                                                                                 "HtmlWebpackPlugin" plugin was used to simplify the creation
the client can use cached version
                                                                                            res.redirect("/")
                                                                                                                                                 of HTML files to serve the webpack bundles.
305 Use Proxy - deprecated 306 unused - deprecated
                                                                                                                                                                                                                                                             done();//tem de ser chamada apenas 1 vez
                                                                                                                                                 npm run-script -> arbitrary command from a
                                                                                                                                                                                                                                                         }):
                                                                                                                                                package's "scripts", same as npm-build
307 Temporary - direct the client to get resource at
                                                                                                                                                                                                                                                     });
                                                                                                                                                 npm-build: executes build instruction on package.json
another URI with same method that was used in the prior request
308 Permanent - resource is now permanently located at
                                                                                                                                                                                                                                                  before - before all tests on describe
                                                                                                                 new Promise(function(resolve, reject) {
                                                                                                                                                                             construtor - new Function('a', 'b', 'return a + b');
another URI, specified by the Location: HTTP Response header
                                                                                                                                                                                                                                                  after - after all tests on describe
                                                                                                                                                                             [].slice.call(arguments) - por arguments em array
                                                                                                                     try {
4xx Client errors
                                                                                                                        setTimeout(resolve, 100, 'foo');
                                                                                                                                                                             func.apply(thisArg [, argsArray]);
                                                                                                                                                                                                                                                  beforeEach - before each test on describe
400 Bad Request - server could not understand the request due to invalid syntax
                                                                                                                                                                             func.call([thisArg[, arg1, arg2, ...argN]])
fixar o this de uma função - func.bind(thisArg)
                                                                                                                                                                                                                                                  afterEach - after each test on describe
                                                                                                                     } catch() {
401 Unauthorized - Asemantically this response means "unauthenticated"
                                                                                                                        reject(e);
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.
                                                                                                                                                                                                                                                             new Date()
                                                                                                                 });
                                                                                                                                                                              Arrow function this:
                                                                                                                 Promise.all([promise1, promise2,
                                                                                                                                                                                                                                                             new Date().getTime() - since 1970/01/01
                                                                                                                                                                              function Point(x, y){
404 Not Found - The server can not find requested resource
                                                                                                                 promise31).then(function(values) {
                                                                                                                                                                                 this.x = x
405 Method Not Allowed - The request method is known
                                                                                                                  console.log(values);//array of values
                                                                                                                                                                                                                                                             Iterate obj props:
by the server but has been disabled and cannot be used
                                                                                                                                                                                 this.y = y
                                                                                                                                                                                                                                                             for(let p in obj) {
  console.log(`${p}: ${obj[p]}`)
406 Not Acceptable
                                                                                                                 States:
                                                                                                                                                                                 this.add = function(p) {
407 Proxy Authentication Required - This is similar to
                                                                                                                 pending (pendente): Estado inicial, que
401 but authentication is needed to be done by a proxy.
                                                                                                                                                                                    return new Point(this.x + p.x, this.y + p.y)
                                                                                                                 não foi realizada nem reieitada.
                                                                                                                                                                                                                                                             Iterate array:
408 Request Timeout - sent on an idle connection by some servers 409 Conflict - conflicts with the current state of the server
                                                                                                                 fulfilled (realizada): sucesso na operação
                                                                                                                                                                                                                                                             for(let element of array) {
                                                                                                                 rejected (rejeitado): falha na operação.
                                                                                                                                                                                                                                                                 newArray.push(func(element))
                                                                                                                                                                                 //this.add = p => new Point(this.x + p.x, this.y + p.y)
410 Gone - content has been permanently deleted from server
                                                                                                                settled (estabelecida): Que foi realizada
411 Length Required - Content-Length header field is required
                                                                                                                                                                                                                                                             deleting property: delete obj.prop
                                                                                                                                                                              let p1 = new Point(5.4)
412 Precondition Failed
                                                                                                                                                                                                                                      reg.on('data', chunk => {
                                                                    const express = require('express')
                                                                                                                                                                              console.log(p1.add(p1))
413 Payload Too Large - payload larger
than limits defined by server
                                                                    const app = express()
                                                                                                                                                                                                                                          body.push(chunk)
                                                                                                                                                                               //Point { x: 10, y: 8, add: [Function] }
                                                                    app.get('/games/:name', function (req, res) {
                                                                                                                                                                                                                                      }).on('end', () => {
  body = Buffer.concat(body).toString();
414 URI Too Long - URI longer than server allows
415 Unsupported Media Type - The media format
                                                                                                                                                                              let p2 = new Point(6,5)
                                                                      res.send('Hello World')
                                                                                                                                                                               console.log(p2.add(p2))
                                                                                                                                                                                                                                          res.statusCode = 200;
is not supported by server
                                                                                                                                                                              //Point { x: 12, y: 10, add: [Function] }
                                                                                                                                                                              let f3 = p1.add
                                                                                                                                                                                                                                          res.end(handler.call())
416 Requested Range Not Satisfiable
417 Expectation Failed
                                                                    app.get('/', mw1, mw2, rootHandler)
express.Router() - A Router instance is a complete
                                                                                                                                                                              console.log(f3.call(p1,p2))
                                                                                                                                                                                                                                      *handler – função que faz as cenas com o resultado do body
                                                                                                                                                                              //Point { x: 11, y: 9, add: [Function] }
418 I'm a teapot - joke
                                                                    middleware and routing system
                                                                                                                                                                                                                                                          During an indexing operation, for example, it
421 Misdirected Request
422 Unprocessable Entity (WebDAV)
                                                                    const routerBundleApi = require('./web-
                                                                                                                                                                                                                                                          converts raw data, such as log files or message
                                                                    api')(express.Router(),service)
                                                                                                                                                                                                                                                         files, into internal documents and stores them in a basic data structure similar to a JSON object.
423 Locked (WebDAV)
                                                                                                                                                            JavaScript is often described as a prototype-based language — to
                                                                     app.use('/bundleApi', routerBundleApi)
424 Failed Dependency (WebDAV)
                                                                                                                                                            provide inheritance, objects can have a prototype object, which
                                                                                                                                                                                                                                                          equipped with a rich and powerful HTTP RESTful
425 Too Early
                                                                                                                                                            acts as a template object that it inherits methods and properties
                                                                    module.exports = function(router ,service){
426 Upgrade Required
                                                                                                                                                                                                                                                          API that enables you to perform fast searches in
                                                                                                                                                            from. Each object has a private property which holds a link to
                                                                        router.get('/bundles', getBundles)
router.get('/', rootHandler)
428 Precondition Required
                                                                                                                                                                                                                                                          near real time
                                                                                                                                                            another object called its prototype. That prototype object has a prototype of its own, and so on until an object is reached with
429 Too Many Requests - sent too many requests ("rate limiting").
                                                                                                                                                                                                                                                          GET /twitter/ search
                                                                        return router;
                                                                                                                                                             null as its prototype. (o.[[Prototype]])
                                                                        function rootHandler(req, res){
431 Request Header Fields Too Large
                                                                                                                                                            prototype is a reference to another object and contains common
                                                                            res.send("RootHandler")
                                                                                                                                                                                                                                                                "term" : { "user" : "kimchy" }
451 Unavailable For Legal Reasons
                                                                                                                                                            attributes/properties across all instances of the object
5xx Server errors
                                                                                                                                                            Arrow functions do not have a prototype property
                                                                        function getBundles(reg, res){
500 Internal Server Error - error server doesn't know how to handle.
                                                                                                                                                            Object.create(null) - criar objeto sem prototype
                                                                            res.send("getBundles")
                                                                                                                                                            Object.create(Person) - criar objeto que herda do prototype
501 Not Implemented - The
request method is not supported
                                                                                                                                                                                                                                                                              "hits":{
                                                                                                                                                            Object.prototype.constructor
                                                                    express-session stores only a session identifier on the client
502 Bad Gateway
                                                                                                                                                                                                                                                                "total" : {
                                                                                                                                                             Object.keys(obj)
                                                                                                                                                                                                                                                                   "value": 1,
"relation": "eq"
503 Service Unavailable - The server
                                                                    within a cookie and stores the session data on the server
                                                                                                                                                            Object.values(obj)
is not ready to handle the request
504 Gateway Timeout - server is acting as
                                                                    var bodyParser = require('body-parser');
                                                                                                                                                            function Person(name, job, yearOfBirth){
                                                                    app.use(bodyParser.json());
                                                                                                                                                                                                                                                                ,,
"max_score": 1.3862944.
gateway and cannot get a response in time.
505 HTTP Version Not Supported
                                                                    app.use(bodyParser.urlencoded({ extended: true }));
                                                                                                                                                               this.name= name;
                                                                                                                                                                                                                                                                "hits" : [
                                                                                                                                                               this.job= job;
                                                                                                                                                                                                                                                                 {
    "_index":"twitter",
    "_type":"_doc",
    "_id":"0",
    "-1 386294/
506 Variant Also Negotiates
                                                                                                                                                               this.yearOfBirth= yearOfBirth;
                                                                    app.use('/', express.static('public'))
507 Insufficient Storage
508 Loop Detected (WebDAV)
                                                                    este middleware permite a pedidos ao servidor aceder a conteudos estaticos como imagens e outro ficheiros
                                                                                                                                                            Person.prototype.calculateAge= function(){
510 Not Extended
                                                                                                                                                               console.log('The current age is: '+(2019- this.yearOfBirth));
                                                                    http://localhost:3000/images/kitten.jpg
                                                                                                                                                                                                                                                                       _.c. ,
'_score": 1.3862944,
511 Network Authentication Required
                                                                    se dentro da pasta public extistir este ficheiro
                                                                                                                                                                                                                                                                        _
_source" : {
    "user" : "kimchy",
                                                                                                                                                            let Person1= new Person('Jenni', 'clerk', 1986);
 Strict mode makes several changes to normal
                                                                                                                                                            console.log(Person1) // there is no calculateAge in obj
                                                                    resp.set('Set-Cookie', cookieName) - para os headers res.status(code) - podes fazer status(200).end(), encadear
 JavaScript semantics: ('use strict':)
                                                                                                                                                                                                                                                                         "message": "trying out Elasticsearch",
                                                                                                                                                            let Person2= new Person('Madhu', 'Developer', 1997);
console.log(Person2) // there is no calculateAge in obj
                                                                                                                                                                                                                                                                         "date" : "2009-11-15T14:12:12",
"likes" : 0
 -Eliminates some JavaScript silent errors by
changing them to throw errors. let queryParam = req.query.param 
Fixes mistakes that make it difficult for JavaScript let urlParam = req.params.param;
                                                                     let queryParam = req.query.param;
                                                                                                                                                            Person1.calculateAge();
 engines to perform optimizations: strict mode
                                                                                                                                                            Person2.calculateAge();
                                                                    let body = req.body;
 code can sometimes be made to run faster than
                                                                    let headerValue = req.header('User-Agent')
 identical code that's not strict mode.
                                                                                                                                                            object1.hasOwnProperty('property1') - whether the object has
                                                                    reg.baseUrl
 -Prohibits some syntax likely to be defined in
                                                                                                                                                            the specified property as its own property (as opposed to
 future versions of ECMAScript.
                                                                                                                                                            inheriting it).
                                                                    req.method
                                                                                                                                                                                                                                                          GET twitter/_doc/0
req.niethou reclamaciptic req.niethou req.niethou req.niethou req.niethou req.niethou reclamaciptic req.niethou reclamaciptic representation req.niethou reclamaciptic representation req.niethou req.niethou reclamaciptic representation req.niethou req.niethou reclamaciptic representation req.niethou reclamaciptic representation req.niethou representation req.niethou representation req.niethou req.niethou req.niethou req.niethou req.niethou representation req.niethou req.
                                                                                                                                                            Object.create(obj) method creates a new object, using an
                                                                                                                                                                                                                                                             "_index" : "twitter",
"_type" : "_doc",
"_id" : "0",
"_version" : 1,
                                                                                                                                                            existing object as the prototype
 e.g.: error -> delete Object.prototype;
                                                                                                                                                            Object.entries() - returns an array of a given object's own
                                                                                                                                                            enumerable string-keyed property [key, value]
The Object.assign() method copies all enumerable own
                                                                                                                                                            properties from one or more source objects to a target object
                                                                                                                                                                                                                                                              __
'_seq_no" : 10,
'_primary_term" : 1,
                                                                                                                                                                                                                                                            "_primary_term - _,
"found": true,
"_source" : {
    "user" : "kimchy",
    "date" : "2009-11-15T14:12:12",
```

"likes": 0,

"message" : "trying out Elasticsearch"