



Weight: 1

Projects(/projects/current)

苗 Project over - took place from Jun 25, 2024 6:00 AM to Jun 27, 2024 6:00 AM

An auto **CPA** i Previebres alvo a me that the flow or lie etions / to review)



Resources and smy_tools)

Read or watch:



- Video on demand(/dashboards/videos) Promise (/rltoken/8lEjDdrFqrfsXUV9frNmKA)
- JavaScript Promise: An introduction (/rltoken/EnBUklullILr0Z3dRJV4LQ)
- Await (/rltoken/SALOZ-GAD5GVCTnK1iTCdA)
- Async (/rltoken/QZMWLFR29PO2bVOS4 8j5Q)
- THREW > (H)> PFR/OREN FT XgH5zA1NSVCwCoyr1cNxg)

dearning Objectives

At the end of this project, you are expected to be able to explain to anyone (/rltoken/r2aoCDHSuX69brVS6Rb5yg), without the help of Google:



- Promises (how, why, and what)
- How to use the then, resolve, catch methods My Profile(/users/my profile) How to use every method of the Promise object



- Throw / Try
- The await operator
- P/) How to use an async function

Requirements

- All your files will be executed on Ubuntu 18.04 LTS using NodeJS 12.11.x
- Allowed editors: vi vim emacs, Visual Studio Code My Planning(planning/me)
 All your files should end with a new line

 - A README.md file, at the root of the folder of the project, is mandatory
- York of edge should be the time nits extension
 - Your code will be tested using Jest and the command npm run test
 - Your code will be verified against lint using ESLint
 - AIPA Reviews Licans make (/Geregetipnes/to_review)

Setupuation quizzes(/dashboards/my_current_evaluation_quizzes)

Install NodeJS 12.11.x

your home directory): Curriculums(/dashboards/my_curriculums)

curl -sL https://deb.nodesource.com/setup_12.x -o nodesource_setup.sh

sudo bash nodesource setup.sh Concepts(/concepts) sudo apt install nodejs -y

🔼 nodപ്രിളുnference rooms(/dashboards/video_rooms)

v12.11.1

\$ npm -v

6.11.**\$**ervers(/servers)

>Installed@st/BabelaanddeSLint

in your project directory, install Jest, Babel and ESList by using the supplied package.json and run 🌽 pm inଗୀବତାର୍ଣ୍ଣ (/dashboards/my tools)

Configuration Files deos)

Add the files below to your project directory

Click to show/hide file contents

abe piscord (https://discord.com/app)

Click to show/hide file contents

utils.is

My Profile(/users/my_profile) Use when you get to tasks requiring uploadPhoto and createUser.

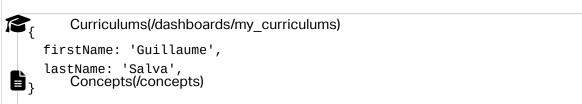
Click to show/hide file contents .e/slintrc.js Click to show/hide file contents Home(/) and... on't forly lyt Planming (/planming tane). when you have the package.json

Response Data Format

uploadPhoto returns a response with the format

```
QA Reviews I can make(/corrections/to review)
status: 200,
body: 'photo-profile-1' Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)
```

createUser returns a response with the format





Conference rooms(/dashboards/video rooms)

Fasks Servers(/servers)

>0. Keepsayary, promise you make and only make promises you can keep

mandatory

```
Return a Promise using this prototype function getResponseFromAPI()
       Tools(/dashboards/my_tools)
 bob@dylan:~$ cat 0-main.js
 import getResponseFromAPI from "./0-promise.js";
       Video on demand(/dashboards/videos)
```

```
bob@dylan:~$
Peers(/users/peers)
bob@dylan:~$ npm run dev 0-main.js
    true
bob@dylan:~$
Discord(https://discord.com/app)
```

const response = getResponseFromAPI(); console.log(response instanceof Promise);



- GitHub repository: alx-frontend-javascript
- DiNay terroyfil@(x0setss/6nypromofite)

• File: 0-promise.js Check submission > Get a sandhox n. Don't make a promise...if you know you can't keep it mandatory sing the protestype below returned promise. The parameter is a boolean. getFullResponseFromAPI(success) Projects(/projects/current) When the argument is: QA Reviews I can make(/corrections/to_review) • resolve the promise by passing an object with 2 attributes: ■ status: 200 ? Evaluation doitzes (/Slashessards/my current evaluation quizzes) false reject the promise with an error object with the message The fake API is not working Curriculums(/dashboards/my_curriculums)
Iry testing it out for yourself bob@dylan:~\$ cat 1-main.js Concepts(concepts) import getFullResponseFromAPI from './1-promise'; console.log(getFullResponseFromAPI(true));
 Conference rooms(/dashboards/video_rooms)
console.log(getFullResponseFromAPI(false)); bob@dylan:~\$
Servers(/servers)
bob@dylan:~\$ npm run dev 1-main.js Promise { { status: 200, body: 'Success' } } Sandboxes(/user_containers/current) <rejected> Error:—The fake API is not working currently bob@dyTean://dashboards/my_tools) 田 Video on demand(/dashboards/videos) Repo: GitHub repository: alx-frontend-javascript Directory: 0x01-ES6_promise File ers//users/peers) Check Submission (https://discord.com/app)

2. Catch me if you can! My Profile(/users/my_profile)

mandatory

Using the function prototype below function handleResponseFromAPI(promise) Append three handlers to the function: Home(/) When the Promise resolves, return an object with the following attributes o status: 200 My Planthing Motanening/me) When the Promise rejects, return an empty Error object For every resolution, log Got a response from the API to the console Projects(/projects/current) bob@dylan:~\$ cat 2-main.js import handleResponseFromAPI from "./2-then"; QA Reviews I can make(/corrections/to_review) const promise = Promise.resolve(); handleResponseFromAPI(promise); Evaluation quizzes(/dashboards/my_current_evaluation_quizzes) bob@dylan:~\$ bob@dylan:~\$ npm run dev 2-main.js Got a response from the API bob@dylan:~\$ Curriculums(/dashboards/my_curriculums) epo: Concepts(/concepts) • GitHub repository: alx-frontend-javascript Dicenterented for the control of the property of • File: 2-then.js Servers(/servers) Check submission >_ Get a sandbox Sandboxes(/user_containers/current)
3. Handle multiple successful promises mandatory 🎜 this filetoions(out a ship loand short) ot a out) create User from utils.js Knowing that the functions in utils.js return promises, use the prototype below to collectively solve allipsomises and logidastly of its/thames) last Name to the console. function handleProfileSignup() the event of an error, log Signup system offline to the console Peers (/users/peers) bob@dylan:~\$ cat 3-main.js import handleProfileSignup from "./3-all"; Discord(https://discord.com/app) handleProfileSignup(); bob@dylan:~\$ bob@dylan:~\$ npm run dev 3-main.js photo-profile-1 Guillaume Salva My Profile(Jusers/my profile) bob@dylan:~\$



Write and export a function named uploadPhoto. It should accept one argument fileName (string).

My Profile(/users/my_profile)

```
<del>p</del>rocessed
   export default function uploadPhoto(filename) {
          Home(/)
   bob@dyNgPianningt/pianning/ighe)
import uploadPhoto from './5-photo-reject';
console log(uploadPhoto('quillaume.jpg'));
   bob@dylan:~$
  bob@dylan:~$ npm run dev 5-main js
QA Reviews I can make(/corrections/to_review)
      <rejected> Error: guillaume.jpg cannot be processed
        Evaluation quizzes(/dashboards/my current evaluation quizzes)
   bob@dylan:~$
Repo:
          Curriculums(/dashboards/my_curriculums)
     • GitHub repository: alx-frontend-javascript
 Difectorp.ts/concessts/romise
     • File: 5-photo-reject.js
          Conference rooms(/dashboards/video_rooms)
   Check submission
                      >_ Get a sandbox
          Servers(/servers)
 6. Handle multiple promises
                                                                                            mandatory
Import Signification containers/current)s and uploadPhoto from 5-photo-reject.js.
 Write and export a function named handleProfileSignup. It should accept three arguments
#irstNaTaeols: taash beasdwame_tselab, and fileName (string). The function should call the two other
 functions. When the promises are all settled it should return an array with the following structure:
⊞₁
         Video on demand(/dashboards/videos)
        {
          status: status_of_the_promise,
          value: value or error returned by the Promise
        <sup>}</sup> 'Peers(/users/peers)
     ]
          Discord(https://discord.com/app)
```

My Profile(/users/my_profile)

The function should return a Promise rejecting with an Error and the string \$fileName cannot be

```
bob@dylan:~$ cat 6-main.js
\overline{oldsymbol{\pm}}import handleProfileSignup from './6-final-user';
   console.log(handleProfileSignup("Bob", "Dylan", "bob_dylan.jpg"));
mbob@d/Hamels
   bob@dylan:~$ npm run dev 6-main.js
   Promise { <pending> }
 bob@d.My.rPlagning(/planning/me)
မှ
Repo:
         Projects(/projects/current)
     • GitHub repository: alx-frontend-javascript

    OA Reviews I can make(/corrections/to_review)
    Directory: 0x01-Es6_promise

     • File: 6-final-user.js
         Evaluation quizzes(/dashboards/my current evaluation quizzes)
   Check submission
                      >_ Get a sandbox
Load balancer Curriculums(/dashboards/my_curriculums)
                                                                                             mandatory
 Write and export a function named loadBalancer. It should accept two arguments chinaDownload
Promise Pandepts (GARGERT) romise).
 The function should return the value returned by the promise that resolved the first.
         Conference rooms(/dashboards/video rooms)
   export default function loadBalancer(chinaDownload, USDownload) {
         Servers(/servers)
         Sandboxes(/user_containers/current)
         Tools(/dashboards/my tools)
冊
         Video on demand(/dashboards/videos)
         Peers(/users/peers)
0
         Discord(https://discord.com/app)
```

My Profile(/users/my_profile)

```
bob@dylan:~$ cat 7-main.js
  import loadBalancer from "./7-load_balancer";
  const ukSuccess = 'Downloading from UK is faster';
  const frSuccess = 'Downloading from FR is faster';
        Home(/)
  const promiseUK = new Promise(function(resolve, reject) {
       setTimeout(resolve, 100, ukSuccess);
        My Planning(/planning/me)
 });
  const promiseUKSlow = new Promise(function(resolve, reject) {
       setrojenets(/projecots/ourrenoto), ukSuccess);
  });

✓ const QuAdreisere l € amemaRe(/voisections:/tion/eveso).ve, reject) {

       setTimeout(resolve, 200, frSuccess);
  });
        Evaluation quizzes(/dashboards/my current evaluation quizzes)
  const test = async () => {
       console.log(await loadBalancer(promiseUK, promiseFR));
       console.log(await loadBalancer(promiseUKSlow, promiseFR));
        Curriculums(/dashboards/my_curriculums)
  test();
bob@dyGancegts(/concepts)
  bob@dylan:~$ npm run dev 7-main.js
  Downloading from UK is faster
bob@dylan:~$
        Servers(/servers)
 Repo:
• Gisandboxes(/user_containers/current)
    • Directory: 0x01-ES6_promise
   • File: 7-load balancer j sools)
Check submission Get a sandbox Video on demand (/dashboards/videos)
 8. Throw error / try catch
                                                                                  mandatory
rite a fRectis(/usens@edis)ideFunction that will accept two arguments: numerator (Number) and
  denominator (Number).
துhen the isle on the function should throw a new error with the message
  cannot divide by 0. Otherwise it should return the numerator divided by the denominator.
  export default function divideFunction(numerator, denominator) {
  }
        My Profile(/users/my_profile)
```

```
bob@dylan:~$ cat 8-main.js
\pmimport divideFunction from './8-try';
   console.log(divideFunction(10, 2));
   console.log(divideFunction(10, 0));
         Home(/)
   bob@dylan:~$
   bob@dylan:~$ npm run dev 8-main.js
         My Planning(/planning/me)
   ..../8-try.js:15
     throw Error('cannot divide by 0');
     ^ Projects(/projects/current)
  ✓ bob@dyQArRevSews I can make(/corrections/to review)
?
Repo:
         Evaluation quizzes(/dashboards/my current evaluation quizzes)

    GitHub repository: alx-frontend-javascript

     • Directory: 0x01-ES6_promise
Fileurianiymjs(/dashboards/my_curriculums)
Check s@lomisejots(/concepts)sandbox
  9. Throw an error
Conference rooms(/dashboards/video_rooms)
                                                                                          mandatory
 Write a function named guardrail that will accept one argument mathFunction (Function).
  Servers(/servers)
This function should create and return an array named queue .
 When the mathFunction function is executed, the value returned by the function should be appended
to the queue. If this function throws an error, the error message should be appended to the queue. In
 every case, the message Guardrail was processed should be added to the queue.
ExampleTools(/dashboards/my tools)
     1000/ideo on demand(/dashboards/videos)
     'Guardrail was processed',
         Peers(/users/peers)
Ø
         Discord(https://discord.com/app)
```

My Profile(/users/my_profile)

```
bob@dylan:~$ cat 9-main.js
\equivimport guardrail from './9-try';
   im(p)ort divideFunction from './8-try';
   console.log(guardrail(() => { return divideFunction(10, 2)}));
nconsote?ncc() => { return divideFunction(10, 0)}));
   bob@dylan:~$
 bob@dyMxrPlagningn/planning/mg/mge)main.js
   [ 5, 'Guardrail was processed' ]
   [ 'Error: cannot divide by 0', 'Guardrail was processed' ]
bob@dyPrajects(/projects/current)
✓
Repo:
        QA Reviews I can make(/corrections/to review)
    • GitHub repository: alx-frontend-javascript
    • Directory: 0x01-E56_promise
    • File: 9-try.js
Check submissibums (Adasteboardsbox)_curriculums)
旨
        Concepts(/concepts)
        Conference rooms(/dashboards/video_rooms)
                    Done with the mandatory tasks? Unlock 1 advanced task now!
        Servers(/servers)
        Sandboxes(/user_containers/current)
                                                                   Copyright © 2024 ALX, All rights reserved.
        Tools(/dashboards/my_tools)
用
        Video on demand(/dashboards/videos)
        Peers(/users/peers)
        Discord(https://discord.com/app)
```