0x01. React intro



Weight: 1

Projects(/projects/current)

- ₱ Project over took place from Jul 23, 2024 6:00 AM to Jul 25, 2024 6:00 AM
- An auto@AtiPiewilelwesaluoalmerhasikles/looordieetions/to_review)

Concepts luation quizzes (/dashboards/my_current_evaluation_quizzes)

For this project, we expect you to look at this concept:

React (/concepts/547) Curriculums(/dashboards/my_curriculums)



Discord(https://discord.com/app) Resources

Read or watch:

- React Official Website (/ritoken/gTvHLsLFztlLKOsHVG2wFw)
- Getting started with React (/rltoken/sIVpPWBHBHRzp9cFX946_g) My Profile(/users/my_profile) Quick Start with React (/rltoken/S9hYxNyohGDvkfQb_DgO6Q)





- create-react-app (/rltoken/XRP9_jP0G0vQ0DINFymubQ)
- React Developer Tools (/rltoken/-no3Szs-PJQ P urpa4FSQ)
- γ) What is Babel? (/rltoken/FOdRx4EZKlpoMEny-jxMXQ)
- Enzyme (/rltoken/\lil\vwpyEpGwPOK40d5dXw)

Learning Objectives

▲t the end of this project, you are expected to be able to explain to anyone (/rltoken/sh0lj4-My Planning(/planning/me) Cpf1zas5UfkDuQ), **without the help of Google**:



- How to create a basic Javascript application using React
- Howgie cite / prejects/squerente ate-react-app to start developing quickly with React
- What JSX is and how to use it



- How to use the React Developer Tools to debug your code
- OA Reviews I can make (corrections/to, review)
 How to use Enzyme's Shadow rendering to test your application
- How to use React with Webpack & Babel

Evaluation quizzes(/dashboards/my current evaluation quizzes) Requirements

All your files will be interpreted/compiled on Ubuntu 18.04 LTS using node 12.x.x and npm



- 6.X.X Curriculums(/dashboards/my_curriculums) Allowed editors: vi, vim, emacs, Visual Studio Code
- All your files should end with a new line



A @GARMETEROCEIR estable root of the folder of the project, is mandatory



Conference rooms(/dashboards/video_rooms)

Laskservers(/servers)

0. Basic application

mandatory

Sandboxes(/user_containers/current)

Create a basic app named dashboard using create-react-app in your task_0 directory

#ou will ாண்குர்கள்கள்கள்கள் Heliagriton logo. Download them and add them to the src∕ directory under dashboard/

Pholberton Logo demand(/dashboards/videos)



Peers(/users/peers)

0

Discord(https://discord.com/app)



? Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)
DEFINE YOUR FUTURE

Favicon Curriculums (/dashboards/my_curriculums)

- Concepts(/concepts)
- Conference rooms(/dashboards/video_rooms)
- Servers(/servers)
- Sandboxes(/user_containers/current)

Tools(/dashboards/my_tools) Remove the unused files:

service-worker

H

- index.css demand(/dashboards/videos)
- App.test.js

in task_0/dashboard/src/App.js, create a function App that returns:

- Peers (Jusers/peers)
 a header div with a class named App-header containing the Holberton logo and a h1 with the text
 School dashboard
- a body div with a class named App-body containing at least one paragraph with the text Login to access the full dashboard
 - a footer div with a class named App-footer containing at least one paragraph with the text Copyright 2020 holberton School

Modify the App.css to make the project looks like the following screenshot:

My Profile(/users/my_profile)

Requirements:



· When running, there should not be any lint error in the console (/)

Repo:

Home(/)

GitHub repository: alx-react

Directory: 0x01-react_intro

• File! task_0/dashboard/src/App.css,

task_0/dashboard/src/App.js

Projects(/projects/current)

>_ Get a sandbox

QA Reviews I can make(/corrections/to review)

1. Basic Application

mandatory

?

Evaluation quizzes(/dashboards/my current evaluation quizzes)

Repo:

• GitHub repository: alx-react



- Di@ontocylu@xs(Odarstalo.oba.indst/novolucutriricculums)
 - File: task_0/dashboards/src/, task_0/dashboard/src/App.css,



task_0/dashboard/src/App.js Concepts(/concepts)



Conference rooms(/dashboards/video_rooms)

🚅 Embeddipg expressions, functions

mandatory

Using your code from the previous task, in task_1/dashboard/src/utils.js:



Sandboxes(/user containers/current)

- Create a function named getFullYear that will return the current year
- Create a function named getFooterCopy:



Tools (dashboards/myutaels) is Index (boolean). When true, the function should return Holberton School. When false, the function should return Holberton School main



Video on demand(/dashboards/videos)
Modify the footer returned in task_1/dashboard/src/App.js to use these two functions

in task_1/dashboard/src/Notifications.js, create a Notifications element:



- It should import React Peers(/users/peers) It should export a function
- The function should return a div with the class Notifications



- The divide notation with the text Here is the list of notifications
- import the file Notifications.css.

in task_1/dashboard/src/Notifications.css, style the Notifications class:

Add a border and some padding around the div

Render the Notifications relementie



- =
- Modify task_1/dashboard/src/index.js to render the new element (Notifications) in a div named root-notifications
- (/) Check that you can see the two elements on the browser, and using the React browser extension

Requirements:



When running, there should not be any lint error in the console

epo:

My Planning(/planning/me)

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- GitHub repository: alx-react
- DiPerojects/current) o
- File: task_1/dashboard/src/, task_1/dashboard/src/utils.js,

~

task_1/dashboard/src/App.js, task_1/dashboard/src/Notifications.css, QA Reviews I can make(/corrections/to_review) task_1/dashboard/src/Notifications.js, task_1/dashboard/src/index.js

? Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)

3. Modify the App

mandatory

using your code from the previous task, in task_2/dashboard/src/App.js under the paragraph
Curriculums(/dashboards/my, curriculums)
that says Login to access the full dashboard:



- add a label and input for email
- add a label shall be the password
- when the user clicks on a label, it should select the corresponding input



 add one button element with the text "OK" Conference rooms(/dashboards/video_rooms)

<u>R</u>epo:

Servers(/servers)

- GitHub repository: alx-react
- Directory: 0x01-react_intro

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• Fileander 29/14596 Gordainers/Charante/dashboard/src/App.js



Tools(/dashboards/my_tools)

Video on demand(/dashboards/videos) 4. Modify the Notifications

mandatory

in task_2/dashboard/src/utils.js:



• Creates/HARCEMPRESHed getLatestNotification that returns the following string: Urgent requirement - complete by EOD

task_Discosៅប្រាំង២៨/៩ម៉ាន់៤៧១៤៤០០៤៤០០០៤១ in the Notifications div:

- add a button element with inline styling (without using the CSS file):
 - show button on right side of notifications box
 - o aria-label is Close
 - when user clicks on the button it logs to the console Close button has been clicked
- in the button learned and of thildren image element that will import the close-icon.png image

- after the paragraph add an unordered list
 - the list has the following items:

(/)

- The first one has a default priority and says New course available
- The second one has a urgent priority and says New resume available



- Add the priority to the first and second items of the list using a data attribute
- Home(/) The last item correctly displays the content of getLatestNotification using dangerouslySetInnerHTML
- task My Planning (Mplanning (mp) task 2 dashboard src Notlifications.css:
 - style the notification priorities using their data attribute: set the color of default items to blue, and the recipeots of projects terms entitled.

Requirements:



- WRAPREVIEWS, I GARANTERS WAS THE CONSOLE
- Your app should look like the following screenshot:
- ? Evaluation quizzes(/dashboards/my current evaluation quizzes)

Repo:



- **Gittlutatepposit(Advisatio**earche/paty_curriculums)
 - Directory: 0x01-react_intro



• File: task_2/dashboard/src/, task_2/dashboard/src/utils.js, Concepts/(concepts)
task_2/dashboard/src/Notifications.js, task_2/dashboard/src/Notifications.css



Conference rooms(/dashboards/video_rooms)

5. Create basic tests with four tests

mandatory

Servers(/servers) Servers(/servers)
in task_3/dashboard/src/utils.test.js:



- Write a test to check that the function getFullYear returns the correct year (be careful to not Sandboxes(/user_containers/current) create a time bomb)
- Write a test to check that getFooterCopy returns the correct string when the argument is true or



false (/dashboards/my_tools)

- Write a test checking the returned string for getLatestNotification
- Repo: Video on demand(/dashboards/videos)
 - GitHub repository: alx-react
 - Directory: 0x01-react_intro
 - File eras kiseral and src/utils.test.js
- Discord(https://discord.com/app)

6. Install Enzyme

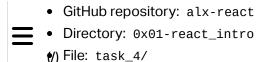
mandatory

Instantilet(lesets)mymprofile)

 Create a file named setupTests.js and configure the adapter for Enzyme (/)Reno: GitHub repository: alx-react Directory: 0x01-react_intro File: task_3/dashboard/src/setupTests.js My Planning(/planning/me) Check submission Projects(/projects/current) 7. Create React tests mandatory QA Reviews I can make(/corrections/to_review) in task_3/dashboard/src/App.test.js create four tests: · test that App renders without crashing Evaluation quizzes(/dashboards/my current evaluation quizzes)
 verify that App renders a div with the class App-header verify that App renders a div with the class App-body • verify that App renders a div with the class App-footer task_Guldashboas(ddashddbatds/boatdonscutlents)js create three tests · test that Notifications renders without crashing verify that Notifications renders three list items verify that Notifications renders the text Here is the list of notifications Requirements: Conference rooms(/dashboards/video_rooms) · When running the test suites, you should see the following result · You must use shallow rendering to write the React tests Servers(/servers) Test Suites: 3 passed, 3 total Tests: 11 passed, 11 total Sandboxes(/user_containers/current) Tools(/dashboards/my tools) GitHub repository: alx-react Directory: 0x01-react_intro __Video on demand(/dashboards/videos) File: task_3/dashboard/src/App.test.js, task_3/dashboard/src/Notifications.test.js Peers(/users/peers) Deploy to a GitHub page Discord(https://discord.com/app) mandatory Deploy your application to GitHub Pages using gh-pages branch and create-react-app Your application should be working correctly when accessing the GitHub URL.

My Profile(/users/my_profile)

Repo:





Home(/)

9. Create a project using Webpack

mandatory

My Planning(/planning/me) Without reusing create-react-app or the code from the previous exercise, start a brand new npm project

Reusing White Stall real reference Webpack module:

- Set up a system to output a bundle.js file in a dist folder
- Sequiprevolvense roven mithelipotore breathings/to review)
- Create a src folder that will contain your Javascript
- Set up a simple html file in the dist folder that will import the bundle file in the body tag. Evaluation quizzes(/dashboards/my current evaluation quizzes) Install and configure the various plugins to support:
 - iniine source map
 - style loader



- cs@woridelums(/dashboards/my_curriculums)
 - image webpack loader



Concepts(/concepts)

Repo:



- GitHub repository: a LX-react Conference rooms(/dashboards/video_rooms)
- Directory: 0x01-react_intro
- File: task_5/dashboard/config/webpack.config.js, task_5/dashboard/dist/index.html, taServer (\$4/5906 Vers)/src/index.js





Tools(/dashboards/my tools)

10. Install Babel

mandatory

Video on demand(/dashboards/videos)

 Install Babel, and in task_5/dashboard/.babelrc, add the presets for preset-env and preset-react



- Add a babel-loader to the Webpack configuration so you can support js and jsx files
- Peers(/users/peers) Import the files that you wrote in the previous task. All the Javascript and React code should be within the src folder

this polisc out hit is well scoke to the should correctly execute your code, and you should be able to see the dashboard like in the last task

Repo:

Gitthu Brodide (it seys/anyx-predide)



• Requirements:
Peers(/users/peers)

Your package. json should have the two following scripts:

"Piscerd(https://discord/core/aren) --mode development --config config/webpack.config.js",
"test": "jest"

- Running the first script should start your dev server and build without any error
- Running the second script should start your test suites and pass for each test My Profile(/users/my_profile)

