

# Table of Contents

<b>1</b>	<b>[IMPORTANT] updates to packages in the course (for everybody)</b>	<b>2</b>
1.1	Minify package fails Cannot find module 'fs/promises' . . . . .	2
1.2	ESLint config prettier . . . . .	2
1.3	Service Workers and Web Vitals (Box Office & Chat App) . . . . .	3
1.4	Parcel fails to install and Invalid Version: undefined (Tic Tac Toe only) . . . . .	4
1.5	Firebase Realtime Database new region (Chat app only) . . . . .	5
<b>2</b>	<b>Common issues</b>	<b>6</b>
2.1	Prettier does not work when saving a file . . . . .	6
2.2	[Windows] VSCode git-bash config shows deprecation messages . . . . .	6
2.3	I have ESLint errors in the terminal . . . . .	6
2.4	Service Worker Registration produces lots of errors in the terminal . . . . .	7
2.5	I can not see ESLint hovers and warnings in VSCode . . . . .	7
2.6	Prettier messes up the code (working incorrectly) . . . . .	7
2.7	[Windows] The terminal process "bash.exe '-1', '-i'" terminated with exit code: 2 . . . . .	7
2.8	Can't see Github Pages settings . . . . .	8
2.9	Github Pages says deployed but the app is not online . . . . .	8
2.10	[Tic Tac Toe] CSS styles are not applied in Square.js . . . . .	8
2.11	[Chat App] Webpack Uncaught ReferenceError: babelHelpers is not defined . . . . .	9
2.12	[Chat App] Discrepancies in Firebase FCM code . . . . .	9
2.13	[Chat App] Blank screen after sign in . . . . .	9
2.14	[Tic Tac Toe] Though the "loose" option was set to "false" ... . . . .	10
2.15	[Chat App] firebase login cannot run in non-interactive mode . . . . .	11
2.16	[Chat App] Importing "firebase/app" produces ESLint error . . . . .	11
2.17	[Windows] Operation is not permitted when running commands in the terminal . . . . .	11
2.18	[Chat app] Node Sass version 5.0.0 is incompatible with ^4.0.0. . . . .	12
2.19	[Chat app] EditableInput allows empty values to get through . . . . .	12
<b>3</b>	<b>My problem is not listed here</b>	<b>13</b>
<b>4</b>	<b>Links to useful resources</b>	<b>13</b>

# 1 [IMPORTANT] updates to packages in the course (for everybody)

## 1.1 Minify package fails Cannot find module 'fs/promises'

This is caused by latest package version. Please just install specific package version:

```
npm install minify@6.0.1
```

## 1.2 ESLint config prettier

When you will install developer dependencies for each project, one of them will be **eslint-config-prettier**. New versions of this package have affected our ESLint configuration.

For that reason, **ESLint config must be updated to avoid having a lot of errors** (e.g. Unexpected block statement surrounding arrow body and Failed to load config "prettier/react").

**Please do that for each project in the course:**

1. Open .eslintrc
2. Find the following line:

```
"extends": ["eslint:recommended", "airbnb", "prettier", "prettier/react"],
```

3. Remove "prettier/react" from the list:

```
"extends": ["eslint:recommended", "airbnb", "prettier"],
```

4. Add two more lines to "rules":

```
"rules": {  
  ...your...other...rules...here...,  
  "arrow-body-style": [0],  
  "prefer-arrow-callback": [0]  
}
```

5. Save the file and restart the application.

Above will match the latest eslint-config-prettier requirements.

More about the rules:

1. <https://eslint.org/docs/rules/arrow-body-style>
2. <https://eslint.org/docs/rules/prefer-arrow-callback>

More about changes in eslint-config-prettier:

<https://github.com/prettier/eslint-config-prettier/blob/main/CHANGELOG.md>

### 1.3 Service Workers and Web Vitals (Box Office & Chat App)

There were new changes introduced to Create-React-App template:

1. PWA and service-worker customization
2. Web Vitals

#### PWA and service-worker customization.

This one is related to creating a PWA with a service-worker supplied by CRA. What is PWA and how to deal with with PWA is covered at the end of the Box-Office project but it's important to prepare for it in advance.

#### If you haven't started the project yet...

In the videos, when scaffolding a project, the command we use is `npx create-react-app box-office --use-npm`.

With new CRA version, **this command will not include a service-worker file** that is used to create a PWA.

So **the mentioned command must be modified** and should look like this:

```
npx create-react-app box-office --template cra-template-pwa --use-npm
```

Using the modified command, CRA will include two new files:

- service-worker.js - service worker script itself
- serviceWorkerRegistration.js - a script that loads the service worker into the app

In the videos, serviceWorker.js is the same as new serviceWorkerRegistration.js. So again, just use the modified command. To avoid having ESLint errors please add the follow line at the very top in serviceWorkerRegistration.js: `/* eslint-disable */`

#### If you already through the project...

1. Go to <https://github.com/cra-template/pwa/tree/master/packages/cra-template-pwa/template/src>
2. Copy service-worker.js and serviceWorkerRegistration.js files to /src folder in your project.

3. Inside index.js add the next:

```
// index.js

import * as serviceWorkerRegistration from './serviceWorkerRegistration';
...
serviceWorkerRegistration.register();
```

4. Inside serviceWorkerRegistration.js at the very top add the following to avoid having ESLint errors:

```
/* eslint-disable */
```

## Web Vitals.

CRA comes with web-vitals support from now on. Web Vitals is a set of optional tools to measure performance in the app. The metrics can be then reported to you (e.g. via analytics or simple console.log).

If you need more info, please follow: <https://create-react-app.dev/docs/measuring-performance>

WE WILL NOT COVER WEB VITALS IN THE VIDEOS. PLEASE COMMENT OUT reportWebVitals() IN index.js

## 1.4 Parcel fails to install and Invalid Version: undefined (Tic Tac Toe only)

The **nano-react-template** adds the latest and unstable version of Parcel which is bad because it's latest alpha version. Instead, we want and need stable Parcel version which is **1.12.4**.

So right after running `npx nano-react-app folderName` please do the following:

1. Open package.json
2. Find `"parcel": "^2.0.0-alpha.3.2"` (or whatever version you have)
3. Replace it with `"parcel": "1.12.4"`
4. Also in package.json add new "resolutions" section below "scripts" section:

```
"scripts": {
  // ...
},
"resolutions": {
  "@babel/preset-env": "7.13.8"
},
```

5. Also in package.json add one more script "fix-parcel" to "scripts":

```
"scripts": {  
  "fix-parcel": "npx npm-force-resolutions && npm i && npm i",  
  // ... others  
},
```

6. In the terminal (git-bash, bash, MacOS), run one after another:

```
rm -rf node_modules package-lock.json  
npm install  
npm run fix-parcel
```

After that you will not experience any installation errors.

## 1.5 Firebase Realtime Database new region (Chat app only)

At the time of creating the course, Firebase Realtime Database supported only United States location. In the videos the location will be US. Recently Firebase introduced support for a new region Belgium (europe-west1). Now it is possible to choose a region when creating a new instance of Realtime Database.

For you it means that when you will click on create new database, firebase will prompt you to select a region: either United States or Belgium.

Feel free to choose the closest location but make sure that database URL matches URL in the config (see below):

1. Click on this text to see how to get to know your Realtime Database Location
2. Specify databaseURL in the config

```
// misc/firebase.js  
  
const config = {  
  // ...  
  databaseURL: "URL_FROM_DASHBOARD"  
};
```

**\*\*** If databaseURL is not present in the config, firebase will fallback to the US location.

## 2 Common issues

### 2.1 Prettier does not work when saving a file

It might happen that VSCode's Prettier extension does not really recognize the files we want to format. For that reason, when you hit save there will be no formatting.

In this case just:

1. Open settings.json (press CTRL + P in vscode, type ">settings", select "Preferences: Open Settings JSON")
2. Add to the config:

```
"editor.formatOnSave": true,  
"editor.defaultFormatter": "esbenp.prettier-vscode",  
"[javascript]": {  
  "editor.defaultFormatter": "esbenp.prettier-vscode"  
},
```

After that Prettier will magically work as expected ;)

### 2.2 [Windows] VScode git-bash config shows deprecation messages

New VSCode version introduces a new way to configure git-bash for integrated terminal. Using the method shown in the video will produce deprecation warnings. Nevertheless, it still works.

However, it is better to switch to the new method :)

The new method (one line instead of two):

```
// configure bash  
"terminal.integrated.defaultProfile.windows": "Git Bash",
```

If for some reason new method does not work for you, please use the old method or visit this url:

<https://code.visualstudio.com/docs/editor/integrated-terminal>

### 2.3 I have ESLint errors in the terminal

First please check if you need to perform any update in the update section.

The course already comes with an optimized .eslintrc config. If you see errors such as **Error: Unexpected console statement. (no-console)**, then apparently you should remove unwanted console.logs since they are not advised in the production. Feel free to edit and play with different ESLint rules inside .eslintrc in case you wanna change something.

A quick example. ESLint produces a warning about console.log. To disable the warning, you can choose either way:

1. Modify .eslintrc by adding a new rule `"no-console": [0]` to "rules".
2. Add a comment line in the code right before noisy console.log `// eslint-disable-next-line no-console`.  
That comment will force-disable ESLint.

## 2.4 Service Worker Registration produces lots of errors in the terminal

In the course, service worker files are managed by Create-React-App. We don't need to modify the content of those files. However, ESLint will still check them against .eslintrc in the root folder. To disable ESLint in those files just add the following line at the very top to each of the files:

```
/* eslint-disable */
```

## 2.5 I can not see ESLint hovers and warnings in VSCode

If you don't see hovers in VSCode when you hover over the warning, then the ESLint extension is disabled or it was not installed. Please install and enable the ESLint extension. No extra config is required.

[Install correct ESLint extension from here](#)

## 2.6 Prettier messes up the code (working incorrectly)

You installed wrong Prettier extension for VSCode. Install the first one that has approximately 10 millions downloads, the popular one.

[Install correct Prettier extension from here](#)

## 2.7 [Windows] The terminal process "bash.exe '-1', '-i'" terminated with exit code: 2

In VSCode settings.json you have incorrect value for `terminal.integrated.shellArgs.windows`. It must be minus **l** (lowercased L) and minus **i** but you most probably put minus one and minus i.

To open settings.json: CTRL + P -> type **>settingsjson** -> select Open Settings (JSON)

Make sure the command is correct:

```
"terminal.integrated.shellArgs.windows": ["-l", "-i"],
```

## 2.8 Can't see Github Pages settings

You don't see github pages because the repository is Private. If you are not a Github Pro user then you can't user Github Page with private repositories. Hosting feature is available only for Public repositories. To enable Github Pages go to repository settings, scroll down to the very bottom and change repository visibility to Public.

## 2.9 Github Pages says deployed but the app is not online

Just wait up to 5-10 minutes. You will see your app online within that time.

## 2.10 [Tic Tac Toe] CSS styles are not applied in Square.js

Please watch video about styles till the end. In the middle of the video we will downgrade Parcel to lower version. After that CSS will work and apply as expected. The issue is caused by latest, unstable Parcel version that was installed by Nano-React-App.

Below is the explanation why this happens.

Styles are not loaded with alpha version of Parcel which is ^2.0.0-alpha.3.2. The problem here lies exactly in the Parcel version and fellow dependencies. When we installed the nano-react template, it automatically added Parcel with the latest version available to package.json which at the moment of writing this is ^2.0.0-alpha.3.2 (or higher). Well, unfortunately, this template installs the latest, but not stable version. This is why it's happening.

Text version of the fix (we do this in the video):

1. Open package.json
2. Find `"parcel": "^2.0.0-alpha.3.2"` (or whatever version you have)
3. Replace it with `"parcel": "1.12.4"` and save the file
4. Run **npm install** in the terminal



Above steps will downgrade installed parcel version to 1.12.4 which is stable. Moreover, when you will run **npm run start**, it must also automatically install you another dependency -> **@babel/core**. Please check package.json after you run **npm run start**. If it won't install you **@babel/core** automatically, then just add it to your dependency list manually in package.json and then run **npm install**.

## 2.11 [Chat App] Webpack Uncaught ReferenceError: babelHelpers is not defined

This issue is related to one of the packages we use for Chat-app. The package is **react-avatar-editor**. To fix this, you need to downgrade the package to a version that works OK. First, please uninstall the package by running `npm uninstall react-avatar-editor` and then reinstall it with a lower version:

```
npm install react-avatar-editor@11.0.7
```

## 2.12 [Chat App] Discrepancies in Firebase FCM code

Firebase is growing and always evolves. For that reason, if you have firebase sdk v8.0.0 or higher installed, you can encounter a few deprecation warnings when writing code for Firebase Cloud Messaging while going along with the videos. **That is OK.**

After the course was published, new changes to firebase SDK were introduced and a few changes must be made to use up-to-date code. Please follow all the videos till the end and only afterwards update the code.

Please take a look what changes must be made by viewing this commit:

<https://github.com/shelooks16/chat-app/commit/16e24a0aed33857771a2e6347e5613b388cdac6b>

## 2.13 [Chat App] Blank screen after sign in

Check **PublicRoute** and **PrivateRoute** components.

"Public" is intended only for users who are not signed-in, it must redirect if there is a user signed-in. This is a use-case for pages like sign-in: if user is already signed-in then redirect the user to dashboard/main page in the app.

```
// PrivateRoute.js

if (!profile && !isLoading) {
  return <Redirect to="/signin" />;
}
```

So if profile is not loading and there is no profile after loading is finished, it means that user is eventually not signed-in. This is a use-case for Private Pages that are visible only to signed-in users.

In `PublicRoute` the logic must be tweaked to match the opposite case:

```
// PublicRoute.js

if (profile && !isLoading) {
  return <Redirect to="/" />;
}
```

If profile is not loading and there is profile after loading is finished, the user is signed-in and profile is loaded. We want to redirect users who enter the sign-in page to the home page in the app (`to="/"`).

## 2.14 [Tic Tac Toe] Though the "loose" option was set to "false" ...

In `package.json` add the following:

```
"babel": {
  "presets": [
    "nano-react-app"
  ],
  "plugins": [
    [
      "@babel/plugin-proposal-class-properties",
      {
        "loose": true
      },
      "yt1"
    ],
    [
      "@babel/plugin-proposal-private-methods",
      {
        "loose": true
      },
      "yt2"
    ]
  ]
}
```

```
]
}
```

## 2.15 [Chat App] firebase login cannot run in non-interactive mode

You must manually force interactive mode for git-bash. Git-bash might have problems with running it out-of-the-box:

```
firebase login --interactive
```

## 2.16 [Chat App] Importing "firebase/app" produces ESLint error

When you will use Firebase SDK and import 'firebase/app', it might happen that ESLint will complain about the import. This is caused by new updates to ESLint config. This is easily fixed by turning one eslint rule off. Add to .eslintrc under "rules":

```
"rules": {
  // ... other rules here
  "import/no-extraneous-dependencies": "off"
}
```

## 2.17 [Windows] Operation is not permitted when running commands in the terminal

Operation is not permitted can occur for 2 reasons:

1. Your current system user does not have enough permission
2. Current system username has white-space (User Name)

Try below solutions one by one:

1. Ensure git-bash is running by the admin
  - (a) Go to the folder where Git installed (most likely C:/ProgramFiles/Git)
  - (b) Find git-bash.exe
  - (c) Right click on git-bash.exe > Properties > Compatibility Tab -> Check 'Run this program as administrator'

- (d) Ensure VSCode runs as admin too.
2. If you have an antivirus running (e.g. Avast), please disable it.
3. Remove white-space in system username.

To remove white-space in username:

1. Run **npm config edit** in the terminal. This command will open your npm config for editing.
2. Find a line that looks like that:

```
; cache=C:\Users\Your Username\AppData\Roaming\npm-cache
```

3. Remove semicolon from the front and edit your username:

```
cache=C:\Users\Your~1\AppData\Roaming\npm-cache
```

The **Your~1** must be first part of your username before the space suffixed with **~1** at the end. The string after space is just replaced with **~1**

4. Save the file and exit. Try running **npm install** again

## 2.18 [Chat app] Node Sass version 5.0.0 is incompatible with ^4.0.0.

Please downgrade node-sass to lower version. Run the following command to update the dependency:

```
npm i node-sass@4.14.1
```

## 2.19 [Chat app] EditableInput allows empty values to get through

In EditableInput.js there is a small bug inside onSaveClick:

When trimmed value is empty, Alert.info window is shown but the code does not stop execution - it continues to run below the condition. This allows to add empty values to the db.

To fix that, just add the return keyword in the condition. This way the code won't go forward since onSaveClick will exit.

```
// components/EditableInput.js

const onSaveClick = async () => {
```

```
const trimmed = input.trim();

if (trimmed === '') {
  Alert.info(emptyMsg, 4000);
  return; // <----- exit from function
}

// ...
};
```

### 3 My problem is not listed here

In case if you experience a problem that was not recorded here:

1. Look inside comments/forum section. It might happen that other person already solved a similar problem there.
2. Maybe you just did a misspell? Check the code twice!
3. If above didn't work, please leave a comment about your issue in the comments/forum.

### 4 Links to useful resources

All items in the list below are clickable links.

More about ESLint:

- [ESLint official docs](#)

More about React:

- [React official docs](#)
- [Create React App official docs](#)