3PillarGlobal Times - Technical Manual

App and team information

- App Name: 3PillarGlobal Times.
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- Apprentice Program.
- Technologies: React js.

About this file

The purpose of this file is to provide an overview, setup instructions, and background information on the project.

About this project

The vision behind this project was to put into practice the knowledge acquired in the mentoring program for the apprentices in 3PillarGlobal. The SPA uses a news API to get the newest information on different topics of interest showing them on individual cards.

The SPA has a login which firebase was used to manage the account registration and verification. Complementing the exchange of information, the Redux toolkit was used to create the store that manages the state of the login and the information got from the API.

Project technical specifications

Create-React-App
An officially supported way to create single-page React applications.

React 18.2.0
This is a React js based application making use of the current methodology of functional components and hooks.

React-Router-Dom 6.3.0
The latest version of React-Router-Dom was used based on the improvements that the new version has in comparison to previous versions.

Bootstrap 5.2.0
It was used to build the user interface. Some of the elements used are navigation bars, cards, and button patterns. In the same way, the positioning and styling classes were used as well.

Material Symbols
Google fonts provided the icons used in the LogOut and Search buttons.

Redux Toolkit 8.0
Used to build the store, this option was chosen for the easy way to use and implement.

Axios 0.27.2
Axios was used to manage the get petitions to the news API to get the information shown in the application.

NewsAPI
API is used to get the latest news depending on the category of interest.

Firebase 9.9.3
Used to manage the authentication of users via email and password or google sign-in.

Setup instructions

From GitHub to a local system

- Open the terminal

- Clone the project using git as follows:

    - `git clone` https://github.com/JorgeDev91/NoticiasApp3PG.git

- Navigate to the project folder using the "`cd`" and "`dir`" commands.

- Install the node dependencies missing as follows:

    - `npm install`
- `Start the project as follows:`

    - `npm start -o`

- `Open the folder in Visual Studio Code to make modifications to the project.`

References

- Create-React-App
    - https://create-react-app.dev/docs/getting-started

- React-Router-Dom 6.3.0
    - https://reactrouter.com/en/main/getting-started/overview

- Bootstrap 5.2.0
    - https://getbootstrap.com/docs/4.0/getting-started/introduction/

- Material Symbols
    - https://fonts.google.com/icons?query=icons&icon.style=Outlined

- Redux Toolkit 8.0
    - https://redux-toolkit.js.org/introduction/getting-started

- Axios 0.27.2
    - https://axios-http.com/docs/intro

- NewsAPI
    - https://newsapi.org/docs