NewsPaper App Installation Guide - Ahsan Mahmood (aoneahsan.com) (linkedin.com/in/aoneahsan) - Software Developer

Frontend Project Installation Guide

- Clone the App Frontend Code from Repo https://github.com/aoneahsan/newspaper-app-reactjs-laravel - Branch name: "frontend/v1"
- navigate into the project folder (frontend project folder)
- run "yarn install"
- once the packages are installed, then copy, paste "env-example" file in the same folder and rename the newly copied file to ".env"
- set the value of these env variables
  - "VITE_BACKEND_URL_LOCAL" set it's value to backend app url "http://localhost:8000/api" (in case the backend project was run using "php artisan serve" command)
  - "VITE_BACKEND_URL_PROD" for now you can set it's value to same as "VITE_BACKEND_URL_LOCAL" ("http://localhost:8000/api"), this is only for production app (once we deploy our app to server, then it will point to backend server url)
  - lastly set a secret value for "VITE_CRYPTO_SECRET", don't share it with me it's a secret :)
- once the env variables are set, then please run "npm start" in the project folder and it should start the project on "http://localhost:5173"
- now before visiting this url, please make sure the backend project is setup and running, because the frontend will try to access the backend project for data.
- that's all for frontend, next let's setup backend (laravel) project.

Backend Project Installation Guide

- Clone the App Backend Code from Repo https://github.com/aoneahsan/newspaper-app-reactjs-laravel - Branch name: "backend/v1"
- navigate into the project folder (backend project folder)
- run "composer install"
- hopefully that should complete successfully, next please copy, paste ".env.example" file in the same folder and rename the newly copied file to ".env"
- now we need to setup env variables value in ".env" file properly
  - for "NEWS_API_AI_APP_KEY" key please get a "API Key" from "https://www.newsapi.ai" and use that as it's value.
    - this key is required otherwise the news apis will not fetch data from "newsapi.ai"
  - for "NEWS_API_ORG_APP_KEY" key please get a "API Key" from "https://newsapi.org" and use that as it's value.
    - this key is required otherwise the news apis will not fetch data from "newsapi.org"
  - for "THE_GUARDIAN_APP_KEY" key please get a "API Key" from "https://open-platform.theguardian.com" and use that as it's value.

- this key is required otherwise the news apis will not fetch data from "open-platform.theguardian.com"
    - for "NY_TIMES_APP_KEY" key please get a "API Key" from "https://developer.nytimes.com/" and use that as it's value.
        - this key is required otherwise the news apis will not fetch data from "developer.nytimes.com"
    - for "FRONTEND_URL" env key please set it's value to frontend project url (where frontend project is running) (e.g: "http://localhost:5173"), this one is not critical, it's just used to show a message on welcome page, so you can skip it if you want.
    - once these env variables are setup, then please create a "mysql" database locally using "xampp"/"wampp" or locally install "mysql server".
    - and set it's connection details properly in ".env" file.
    - once the mentioned env variables and Database env variables are setup, and "composer install" command has completed successfully, then please run "php artisan key:generate" to create a "APP_KEY".
    - after that, please run "php artisan serve" in the backend project folder and hopefully it should start working on "http://localhost:8000".

View the running project

- Once Frontend and backend projects are setup and running please visit the frontend project url and hopefully you should be able to see a running app.

Developer System Tools Details

- NodeJs version (v22.2.0)
- Yarn version (1.22.22)
- Composer version (2.7.6)
- PHP version (8.1.28)

Other Details

- I have created and completed a "Postman" collection i used to test the backend and third party APIs i used in this project, if you want to check that then please use this link to import "Postman Collection" directly in your locally running postman software
    - https://api.postman.com/collections/9763817-b3ff3117-3b71-4b67-a3a4-b177837c6a92?access_key=PMAT-01HZWPR6TWDYFG9VWS6R7HMEZR
- I have setup a Private Github repo for this project https://github.com/aoneahsan/newspaper-app-reactjs-laravel
    - if you want to access that please let me know
        - share a email and i will add that as contributor in this repo
- like mentioned in software demo video https://youtu.be/sfHE_CcW8B0, i have used "https://capacitorjs.com" in the project, mean i can create, Hybrid "Android and IOS" app for this project as well
    - if needed let me know and i will share "Android App APK of the project"

Contact Details

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Closing Comments

- Please do let me know your feedback on app code quality and lets connect and talk.

Thanks, Have a great day

Sincerely, Ahsan Mahmood