

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"](https://open-platform.theguardian.com/)
- for "NY_TIMES_APP_KEY" key please get a "API Key" from ["https://developer.nytimes.com/"](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"](https://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"](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"](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://www.postman.com/solar-escape-511019/workspace/newspaper-app-apis-testing-ahsan-mahmood-aoneahsan-com-linked-in-aoneahsan/overview>
- 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"](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