**Overview:**

Per Tornet Co. requirement, I build a backend Laravel API application with sanctum authentication, and consumed the API with Vuejs frontend.

The repository version control was managed using Git Flow, which is git best practice, so the final project delivered with the following branches:

* **master** (clone this one)
* develop
* release/v1
* feature/testing
* feature/frontend
* feature/backend

You can download zip, clone, pull, fork the **“master”** branch, as it’s the final and main branch.

The repository structure is as below:

* Tornet requirements.
* Documentation.
* Database.
* Postman Collection.
* Project.

The project structured based on Laravel MVC (model-view-controller) framework:

* App
  + Http
    - Controllers
    - Requests
  + Models
* database
  + migrations
* resources
  + js
    - app.js
    - index.Vue
  + views
* routes
  + api: includes all API endpoints introduced in postman collection.
  + web

**Installation:**

The project is developed using Laravel framework with Docker containers. Here are the steps to install the Laravel project:

* Install Docker on the device: <https://www.docker.com/products/docker-desktop/>
* Clone the GitHub Repository using this command in the terminal:
  + CLI: git clone <https://github.com/Sivar-Developer/Tornet-Task-Laravel.git> tornet\_task
* Install composer using Docker CLI:
  + docker pull composer/composer
  + docker run --rm -it -v "$(pwd):/app" composer/composer install
* Go to Laravel Sail:
  + cd vendor/bin
  + ./sail up
* Then, for the frontend setup follow as bellow, Inside vendor/bin folder:
  + ./sail npm install
  + ./sail npm run dev
* To run unit testing: ./sail artisan test
* Make sure to create the symbolic links configured for the application
  + ./sail artisan storage:link
* Copy .env.example to .env
* Now the project should run, and for any php artisan command you should type the below sail command:
  + ./sail artisan

**Notes**

I will try to demonstrate the final project API functionality and Vuejs api consume with Axios, in a short video.

Please do not hesitate to contact me, in case if you need any further details.

Kind Regards,