itrack

# Lets track everything

About itrack

itrack is a tracking full CRUD web app created by Daniel Peprah. It is meant to be used for tracking items together with their stockings and issuings.

Its features include:

* Creating or adding of new users
* Creating or adding of new items
* Stocking items
* Issuing items
* Controlling user actions with laravel policies
* Updating user details
* Updating item details
* Updating stockings
* Updating issuings
* User blocking mechanism/feature
* It also has a feature of logging CRUD activities to a database table, and also to a file (can be found in storage/logs/activity.txt)

How to use it

NB: I am assuming you are already familiar with at least the basics of Laravel. Otherwise you can contact me via [peprahdaniel.dp@gmail.com](mailto:peprahdaniel.dp@gmail.com) for any help or explanations needed. Also, you can visit <https://laravel.com/docs> and read the documentation.

Database configuration

First and foremost, open the .env file and make changes to the following to suit your system

* DB\_CONNECTION=your\_datasource\_connection(eg.mysql)
* DB\_HOST=127.0.0.1
* DB\_PORT=your\_datasource\_connection\_port(eg.3306)
* DB\_DATABASE=your\_database
* DB\_USERNAME=your\_username
* DB\_PASSWORD=your\_password

When you are done, make sure you create the database, and run migrations (with artisan command: **php artisan migrate**)

After running migrations with no errors generated, go ahead and start the server (with artisan command: **php artisan serve**)

Now, there is the need to have a superadmin, so opena browser and visit the [url:**127.0.0.1:8000/create\_superuser**](url:127.0.0.1:8000/create_superuser)**. If no errors/exceptions are thrown, it means you have successfully created a super admin with the following details:**

Name: Admin

Email: [superadmin@admin.com](mailto:superadmin@admin.com)

Designation: IT Technician

Password:admin

You can make changes inside the **web/routes.php** file, but know that the email has been used to set policy logics, so if you decide to change it, you’d have to visit the various policy files inside **app/Policies** and change the email there as well.

Also, if you decide to change the email, you’d have to change the email inside the **isSuperAdmin() method** inside the **app/Models/User.php** file. The isSuperAdmin() is a method used to check if a user is superadmin or not.

Once the above changes have been made, you may access the dashboard by hitting the url: **127.0.0.1/login**

Fill out the form with the created superadmin’s email and password, and after a successful request, you shall be redirected to the dashboard. Once you get to the dashboard you will be able to peform various CRUD actions.

**NB: only the superadmin will be able to create new items and users. Also, every other user created will not be a super admin, unless you change the logic inside the various policies to include other/specific emails.**

**It is also only a superadmin that can block and/or delete normal users.**

**Also, note that only superadmin would be able to view or delete activity logs.**

**Please, if you find my work interesting and would like to work with me, you can contact me on the following platforms:**

**Twitter:** [**https://twitter.com/devleinad**](https://twitter.com/devleinad)

**Email:peprahdaniel.dp@gmail.com**

**Thank you!!**