MEMBERSHIP SCANNER WITH LARAVEL 8

INSTALLING LARAVEL 8

Please make sure that you meet all requirements before installing Laravel into your server

- Xampp v7.3x +
    o https://www.apachefriends.org/download.html

- Composer 2
    o https://getcomposer.org/download/

- Node.js
    o https://nodejs.org/en/download/

- Visual studio Code (Optional)
    o https://code.visualstudio.com/

For more info, you can refer Laravel official documentation at https://laravel.com/docs/8.x/

Installing via Command Prompt. Run these commands:

```
- composer global require laravel/installer
- cd %USERPROFILE%/Desktop  (cd to your any Laravel folder)
```

After you done, please unzip the file given to your Laravel folder. Then, run these commands

```
- cd membership
- php artisan serve
```

DATABASE

Create database name `membership`. Open .env file and modify your database details.

```
DB_CONNECTION=mysql

DB_HOST=127.0.0.1

DB_PORT=3306

DB_DATABASE=membership

DB_USERNAME=root

DB_PASSWORD=
```

Run these commands

- `php artisan migrate`
- `php artisan db:seed` (Optional. To generate dummy data)

*If the database is unsuccessful to install. You can just manually import the .SQL file given into your MySQL database server.
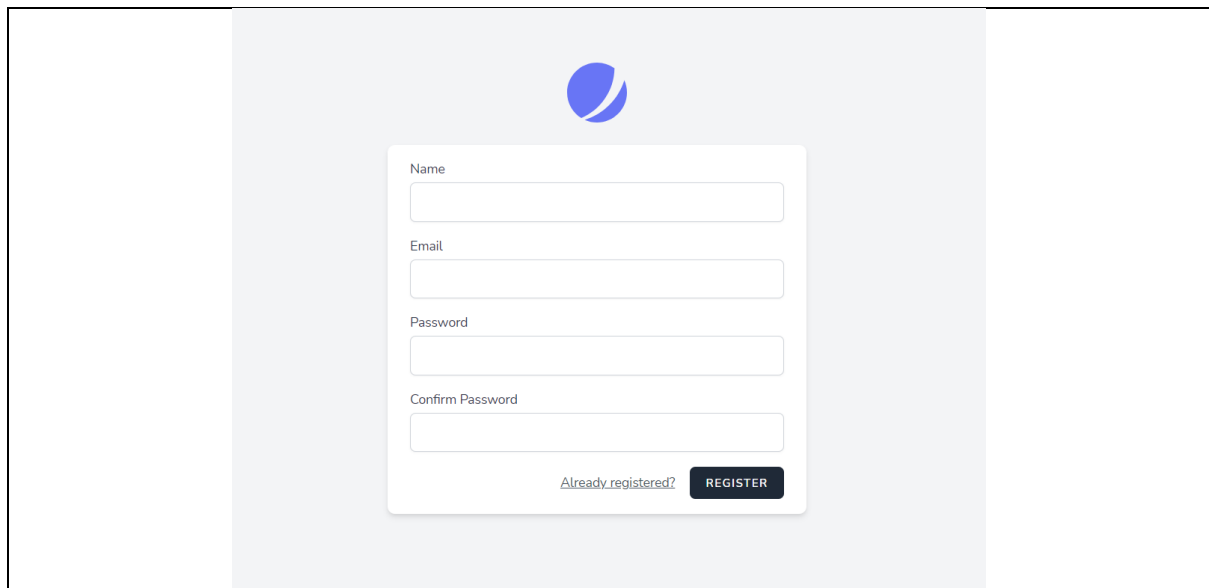

WEBSITE MANUAL

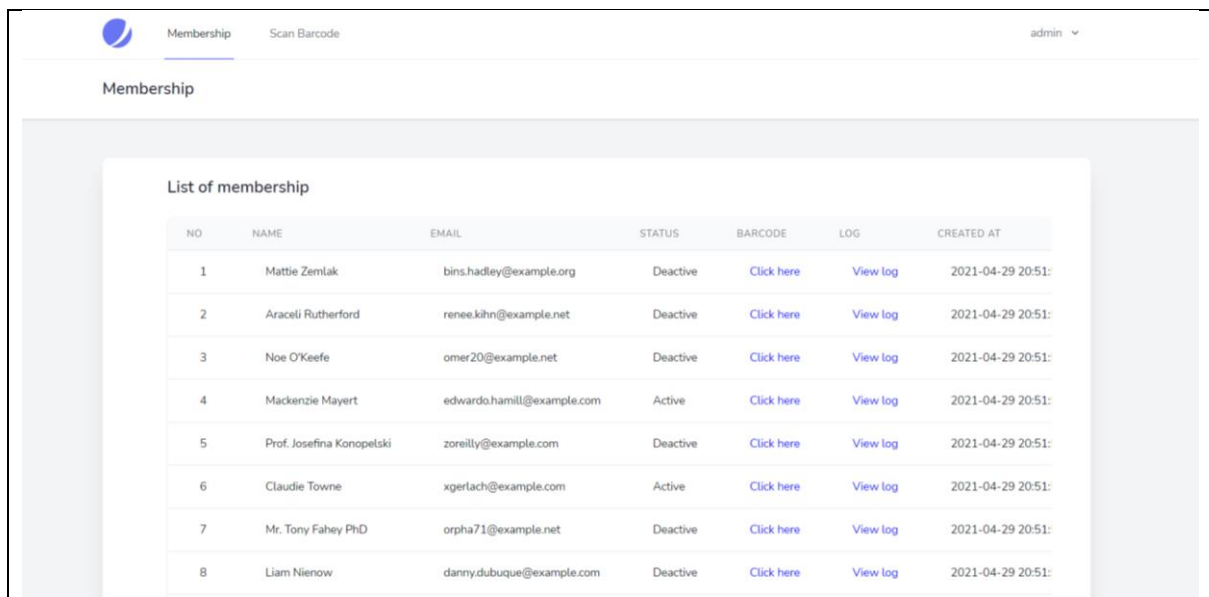In this section, we will explain every pages and task that available from this system. For local server, proceed to http://127.0.0.1:8000/ to start.
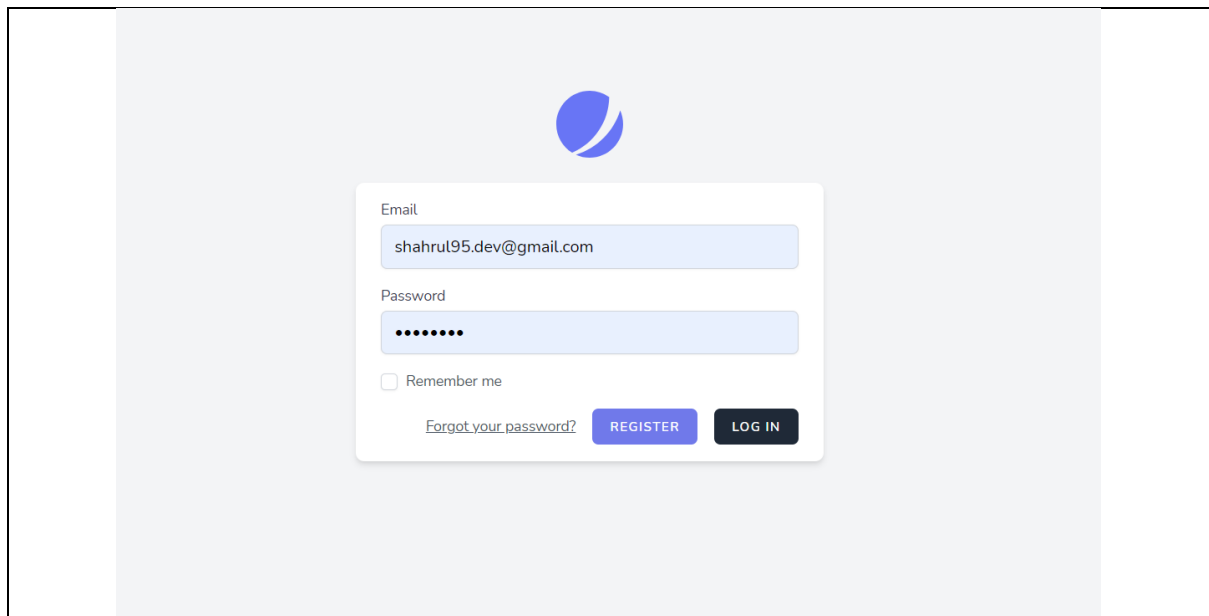
Figure 1.1: Login Pages

Before proceed to admin dashboard, you need to have an account. Create an account by click on `Register` button.

Figure 1.2: Registration page

Enter your details. All data entered will be stored in `User` table. Once successful, please going back to the login page and enter your login information.


Figure 1.3: List of membership available

This page is listing all membership that available in your database. The figure shown the dummy data that we have created previously. Every membership data contains owner name, email address, status of the membership, barcode and scan activities. To retrieved membership's barcode, click on `Click here` text under barcode column. A popup will display with the barcode of the membership (Refer figure 1.4).
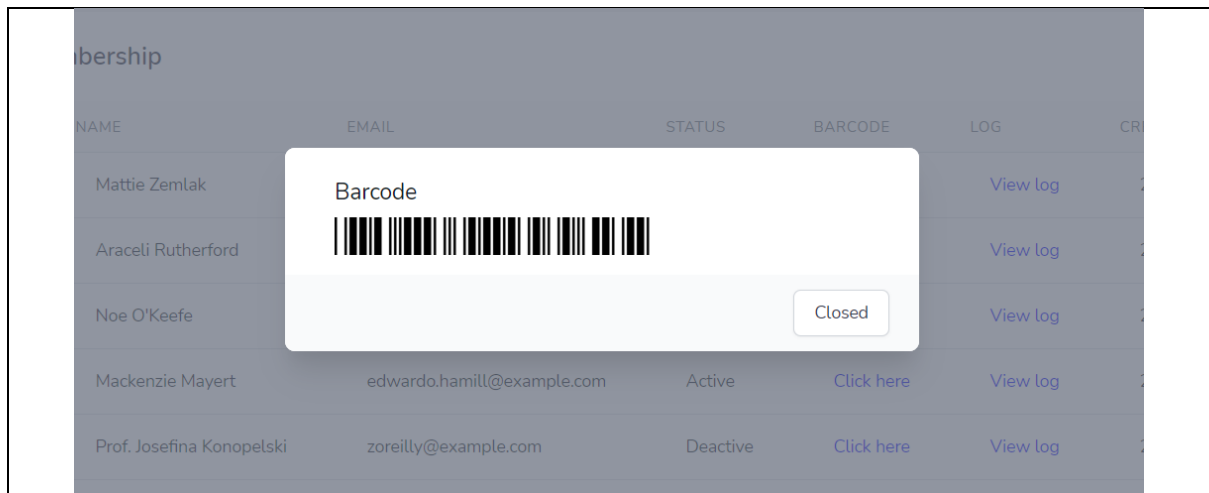
Figure 1.4: Membership's Barcode

This barcode will be use to scan and inform the user about membership current status and displaying membership's details. Every successful scan, system will save the log data into database called `scan_logs`. You can view all the log activities for every membership available by click on `View log` text under Log column (Refer Figure 1.5 below).
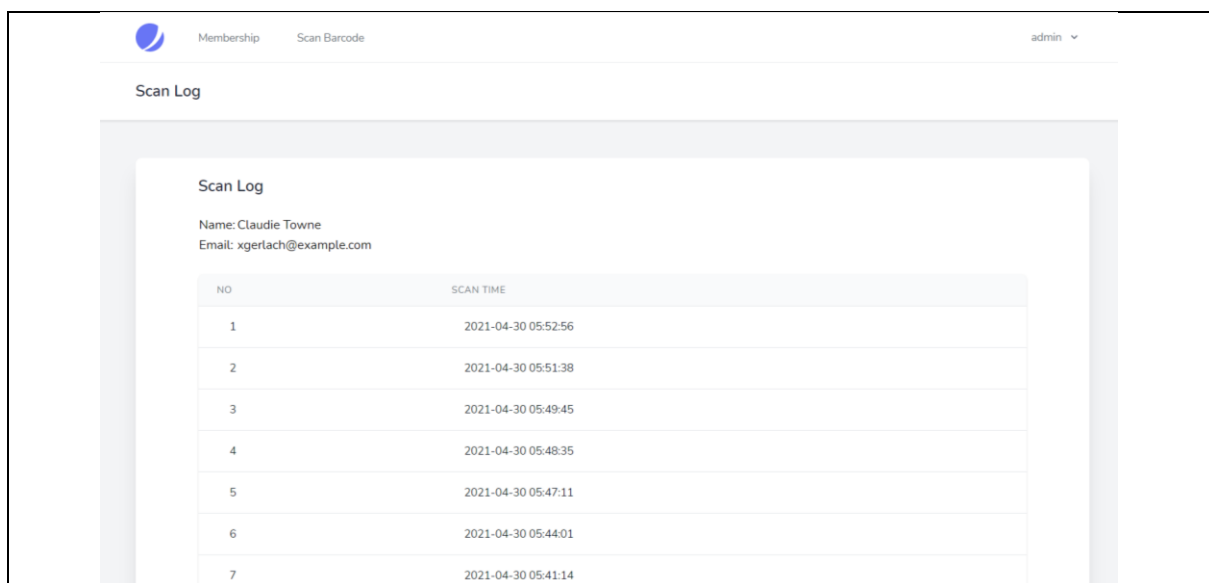
**Figure 1.5: List of Scan Activities**

This page is listing all scan activities that have been made by user. Sorting the data start from the latest date scan. To start scanning, click on `Scan Barcode` at the top of the pages.
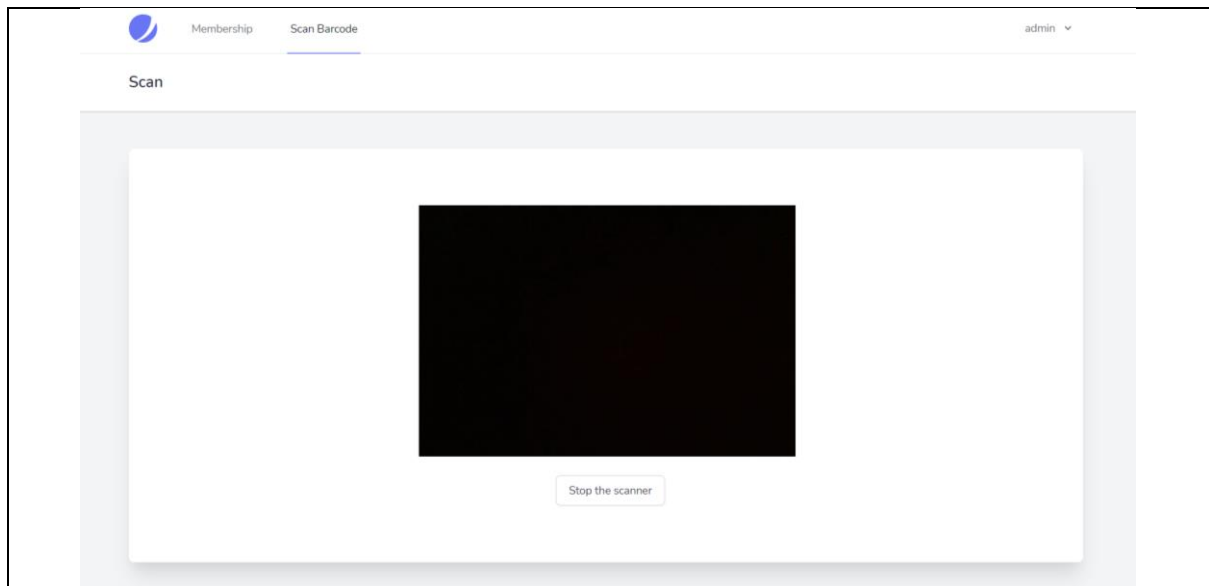
Figure 1.6: Scan Barcode page

This page will ask a permission from you end to use your camera device. This camera has a feature to read system barcode. You can stop the scanner by clicking on `Stop the scanner` button at the bottom of the page.

Scan your selected membership barcode by using the scanner given. A successful scan will display the details of the membership including the status (Refer figure 1.7).
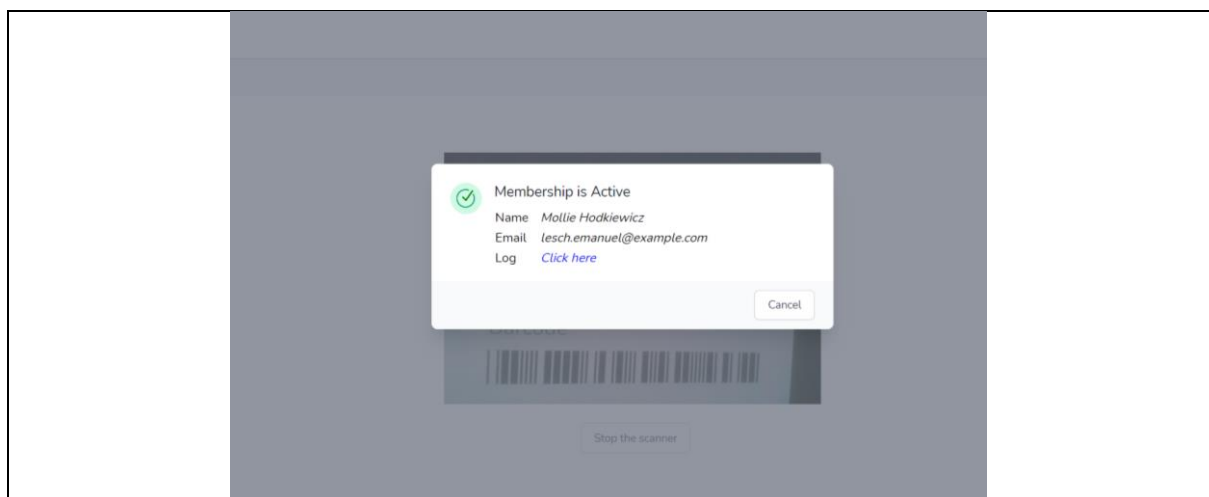
Figure 1.7: Sample active membership

Details and status of the membership will be shown. Keep in mind that every success scan from the active membership, it will store into database called `scan_logs`. To prevent spam, system is only allowed one successful scan and stored for every 1 minutes. Otherwise, the system will only popup the status and details without storing into `scan_logs` table.
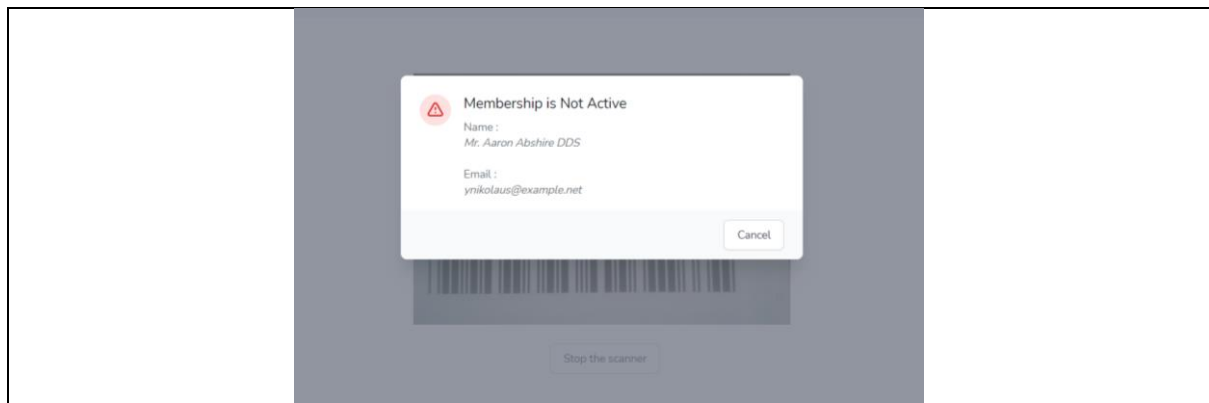
Figure 1.8: Sample deactivate membership

Only active membership will be store, deactivate membership will only display the details and status for the membership.

If you have any questions, please let me know by sending me an email to shahrul95.dev@gmail.com.