Sina shariati

Laravel Messenger

Principles of database design

Introduction

For the final project of database design principles, we will implement a messenger using PHP/Laravel for the backend and Inertia as the front end and MYSQL as the database.

Technology selection report

This project aims to be very huge with a lot of features and the deadline is so tight so it is better to have a framework that has a boiler plate code that can make the basic implementation more straightforward and faster.

Hence, Laravel is selected as the backend framework because of its structure and fast development speed.

In order to make the UI better and make a SPA(Single Page Application) like UI, Inertia and vue3 have been selected, and also tailwind has been selected for the CSS framework because of my own knowledge of it and its customizability.

Because this project aims to run on servers and computers other than my own system and also the fact that laravel projects tend to have a lot of dependencies that keeping track of them becomes very hard, this project is being developed in a docker environment, using laravel sail which is the docker boilerplate of laravel.

Technical Report

In order to be able to start the project, the first thing is to start the docker compose

Which can be done by:

```
$ /vendor/bin/sail up
```

Something else to mention is it is better to export the sail binary as an alias so the typing of the command becomes faster and easier to understand.

```
$ export sail=”/vendor/bin/sail”
```

The first step is to compile the UI assets using npm:

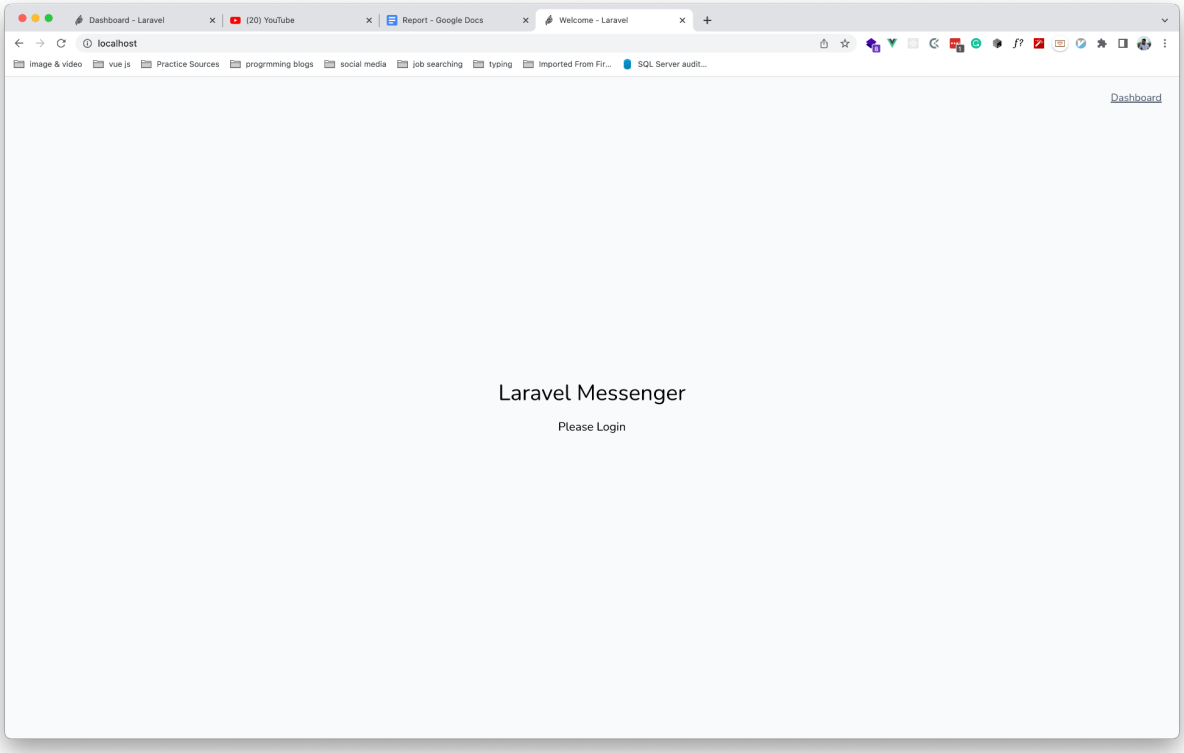
```
$ sail npm run dev
```

Which uses sail to commit the command inside the container.

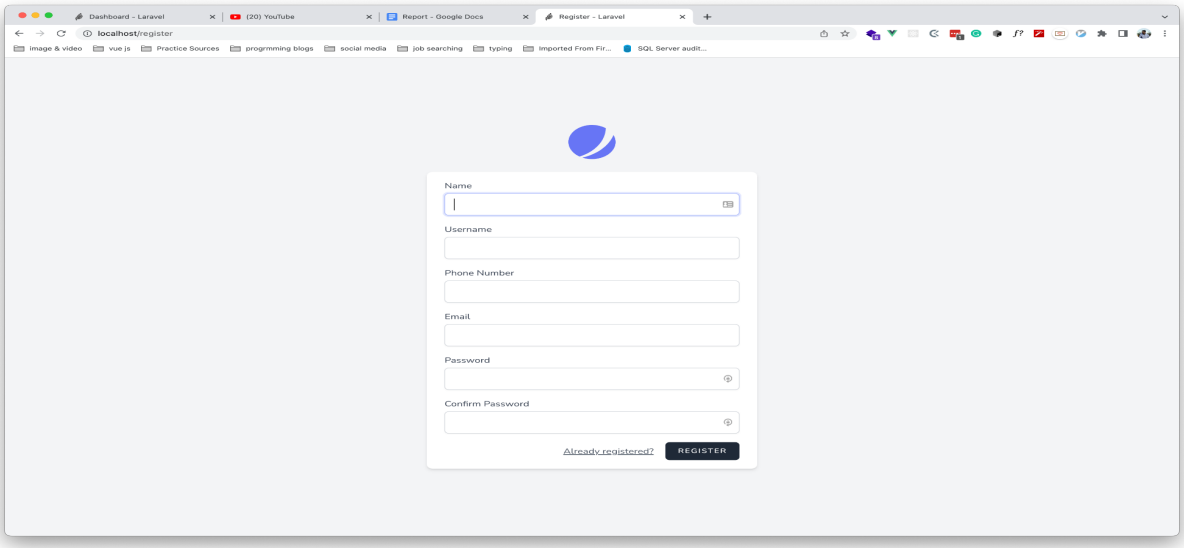
Now in order to migrate the databases what we can do is:

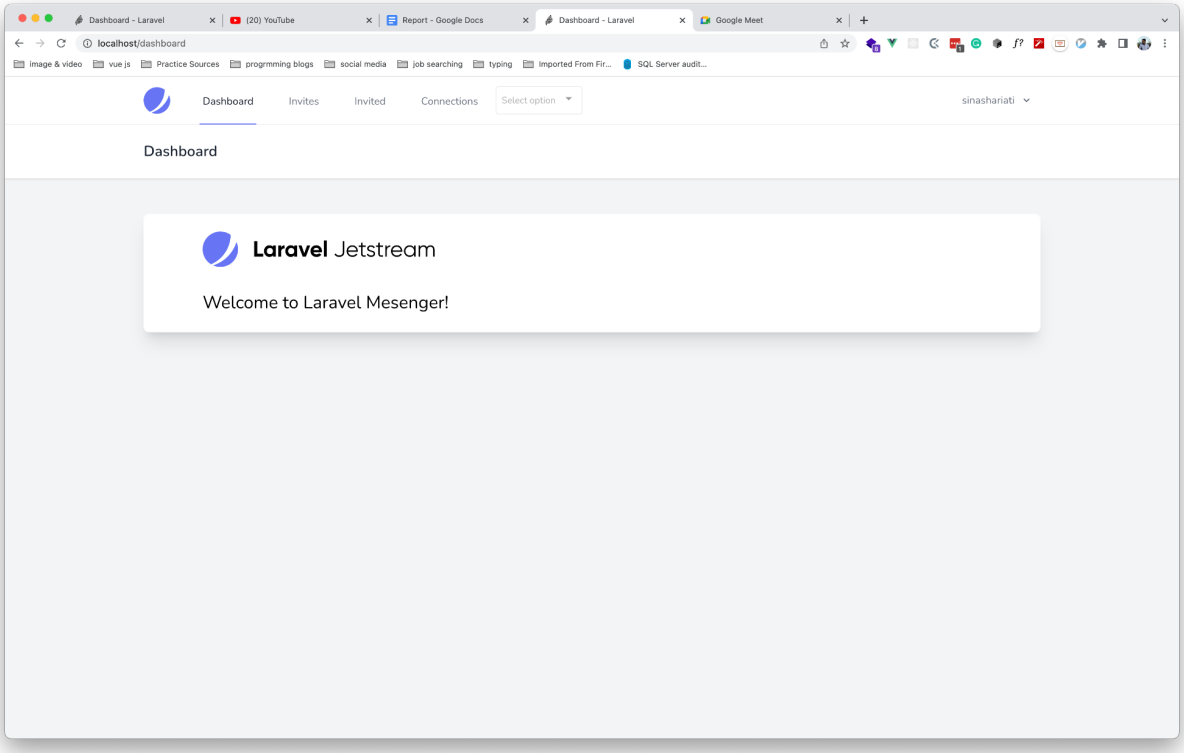
```
$ sail artisan migrate:fresh
```

And if you visit *Localhost/* you can see this webpage:



After that all of the features is implemented as asked which some screenshots of them can be seen :

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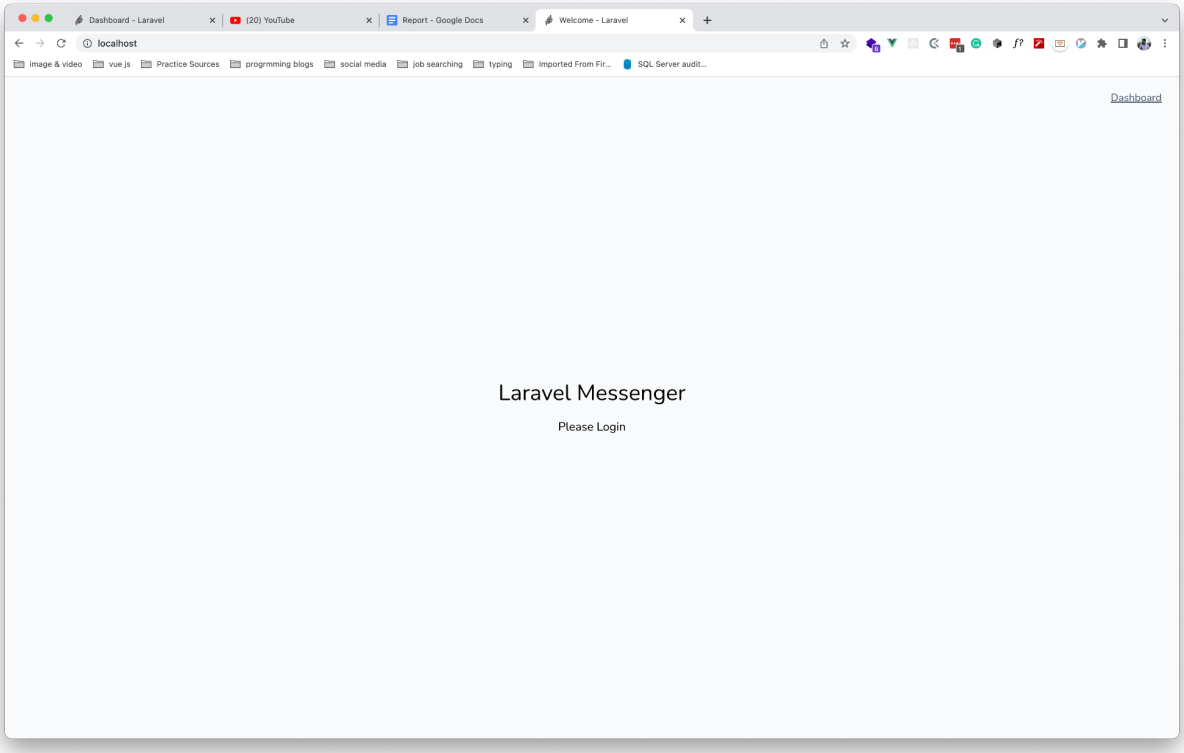
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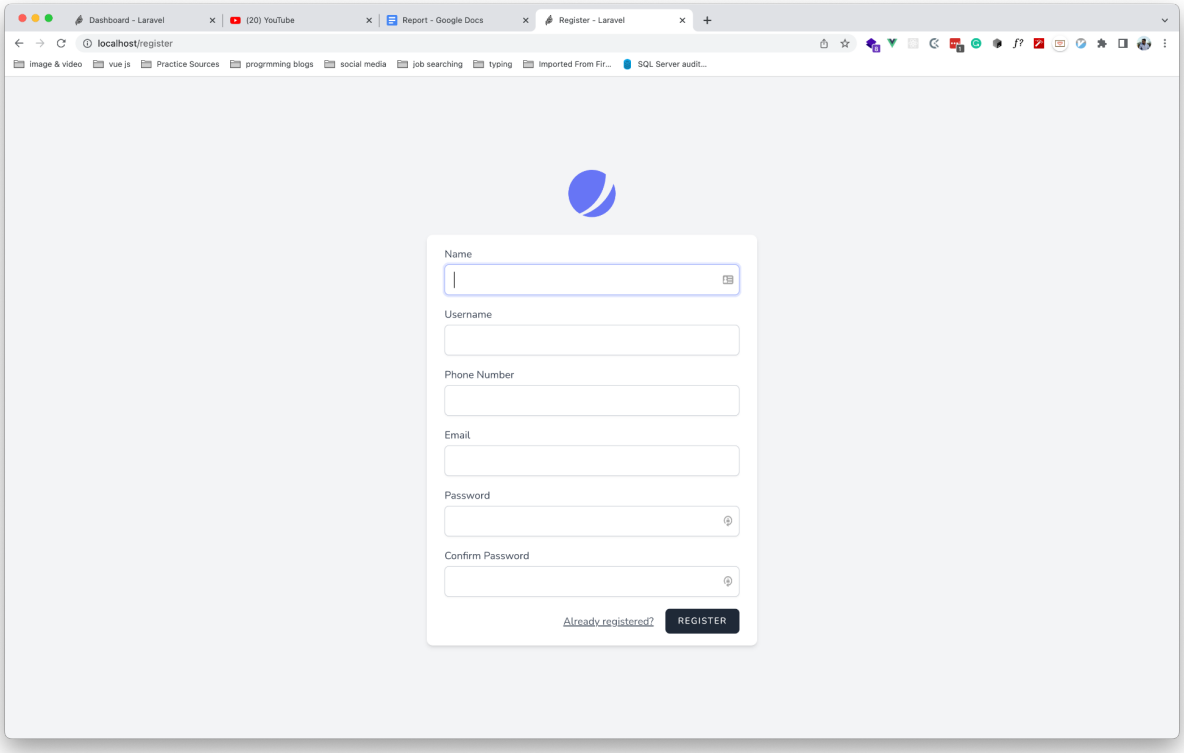
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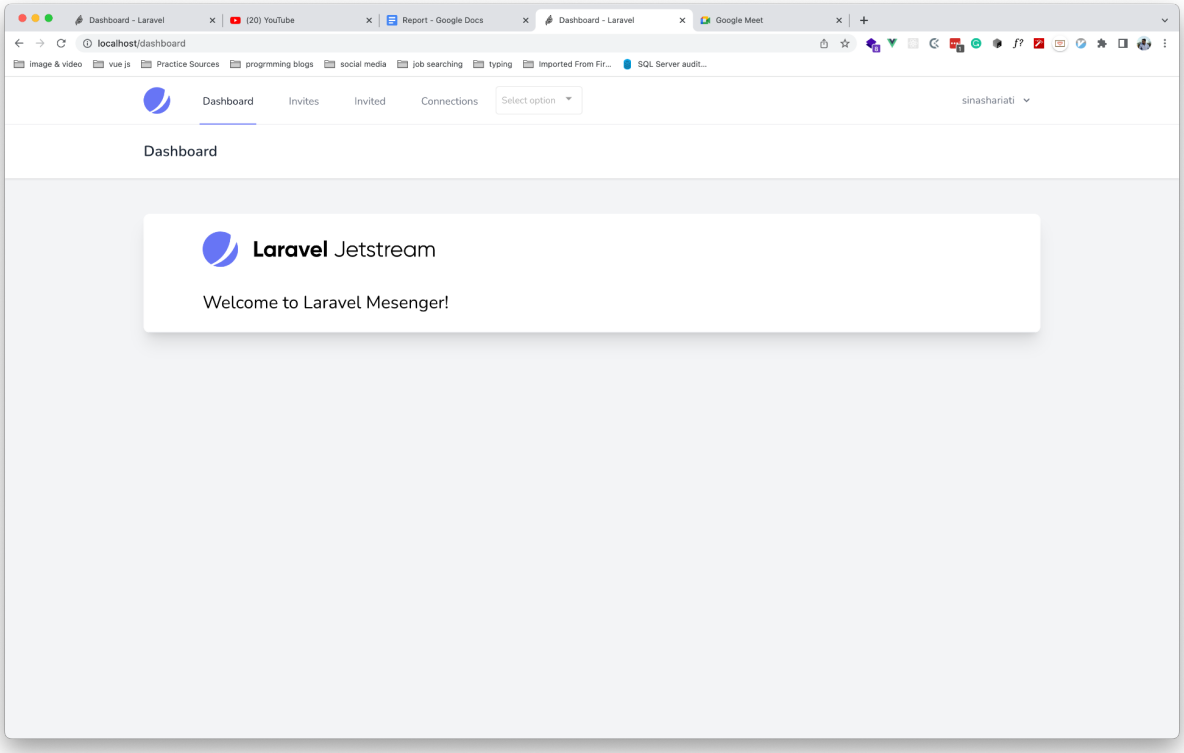
Password
Confirm Password
Already registered?
REGISTER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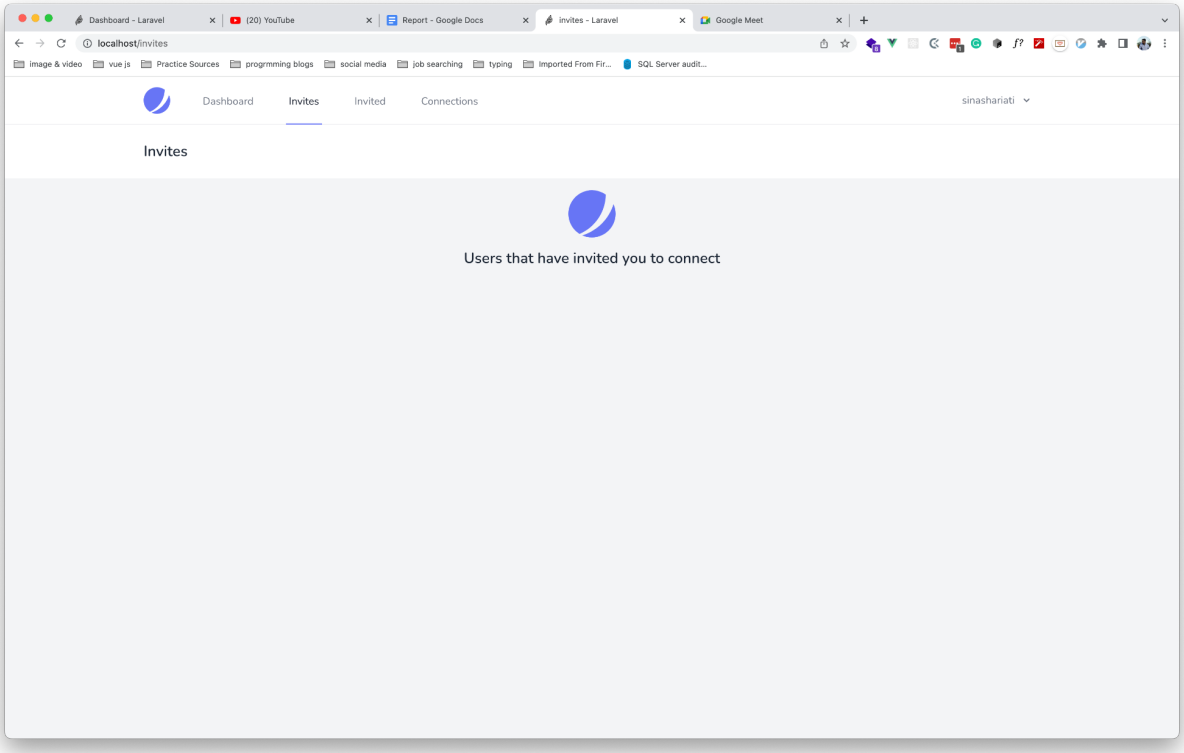
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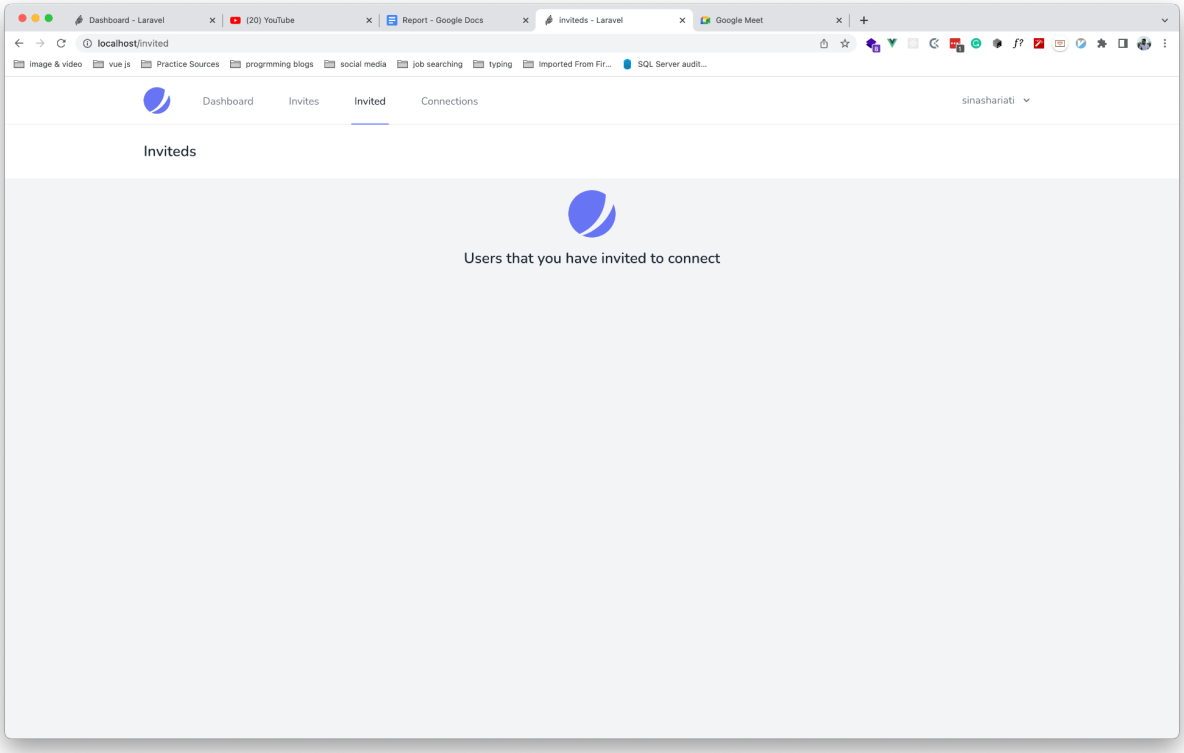
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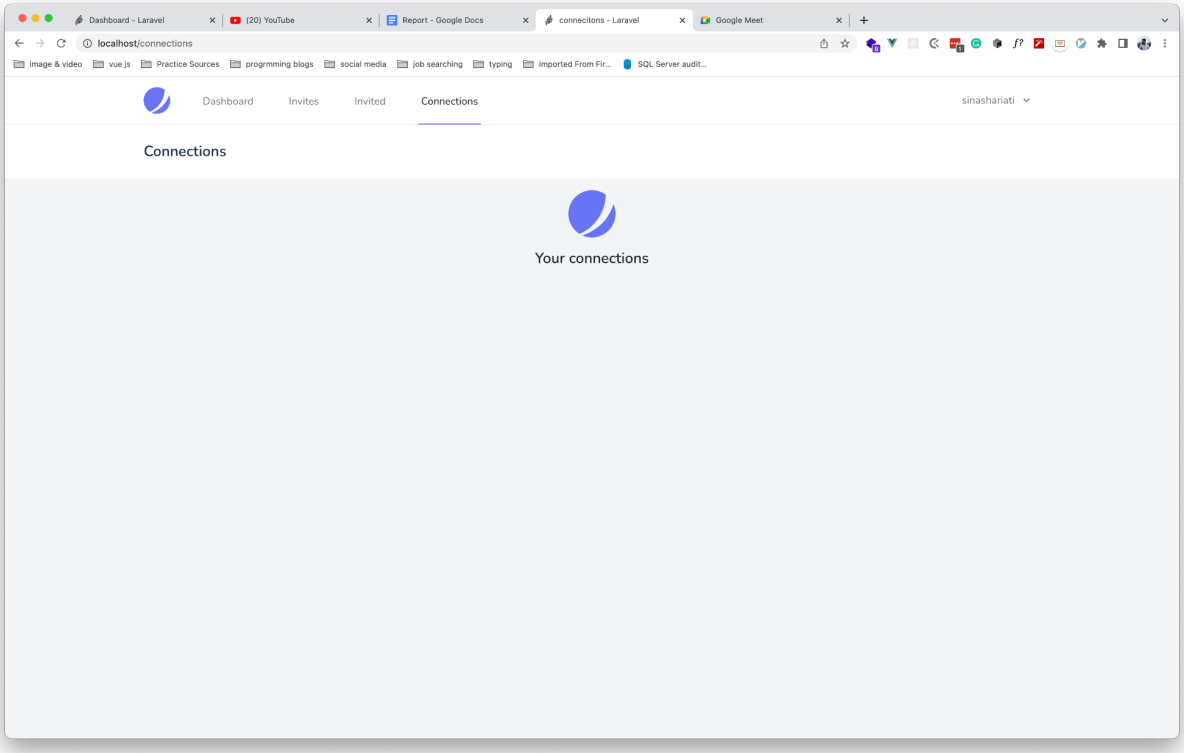
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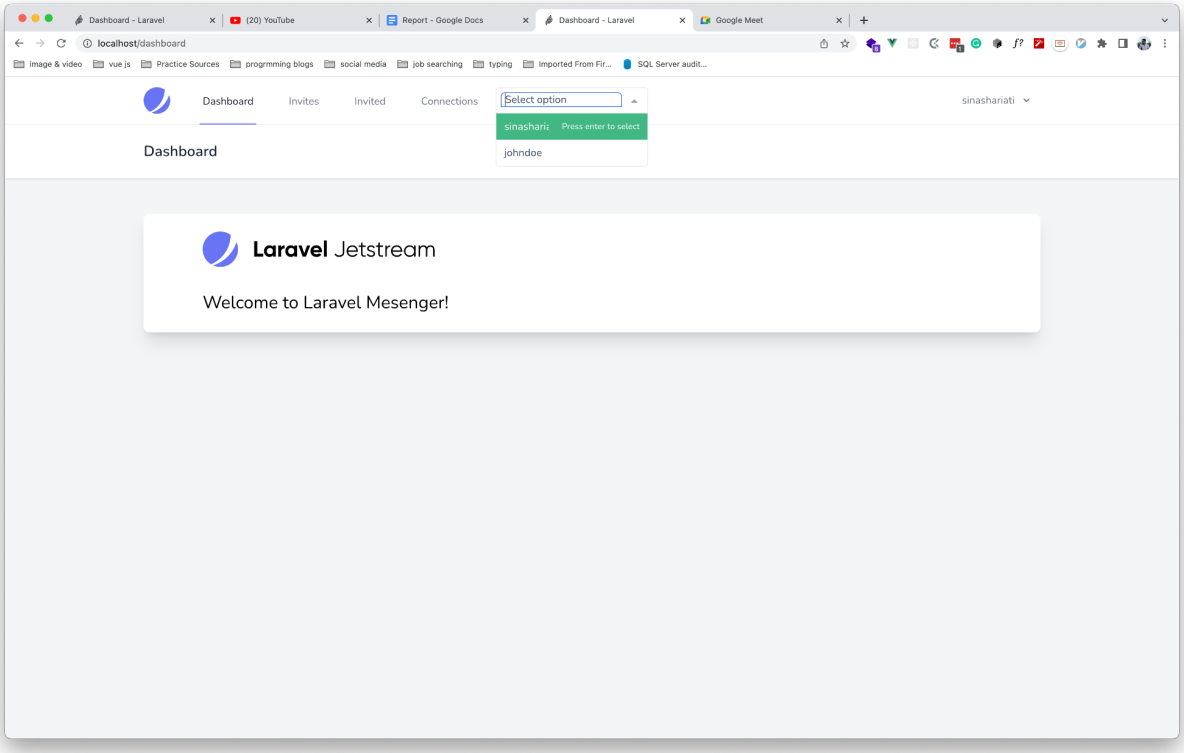
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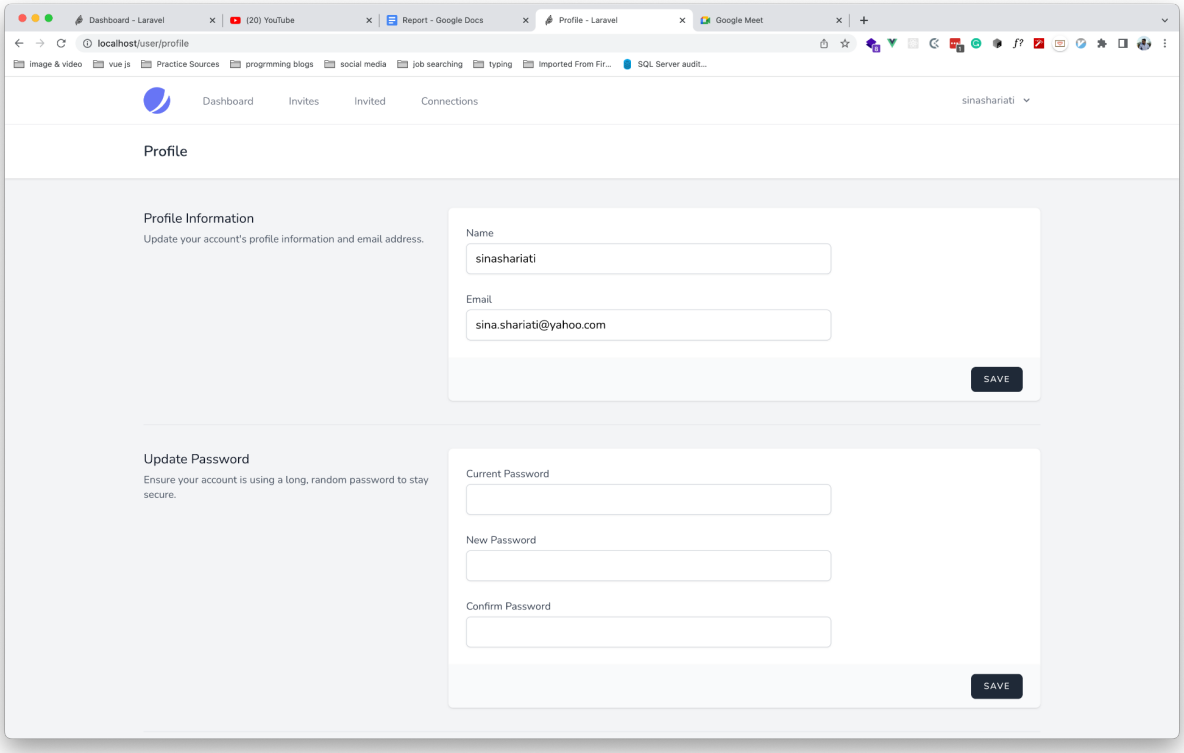
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Google Meet
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Dashboard
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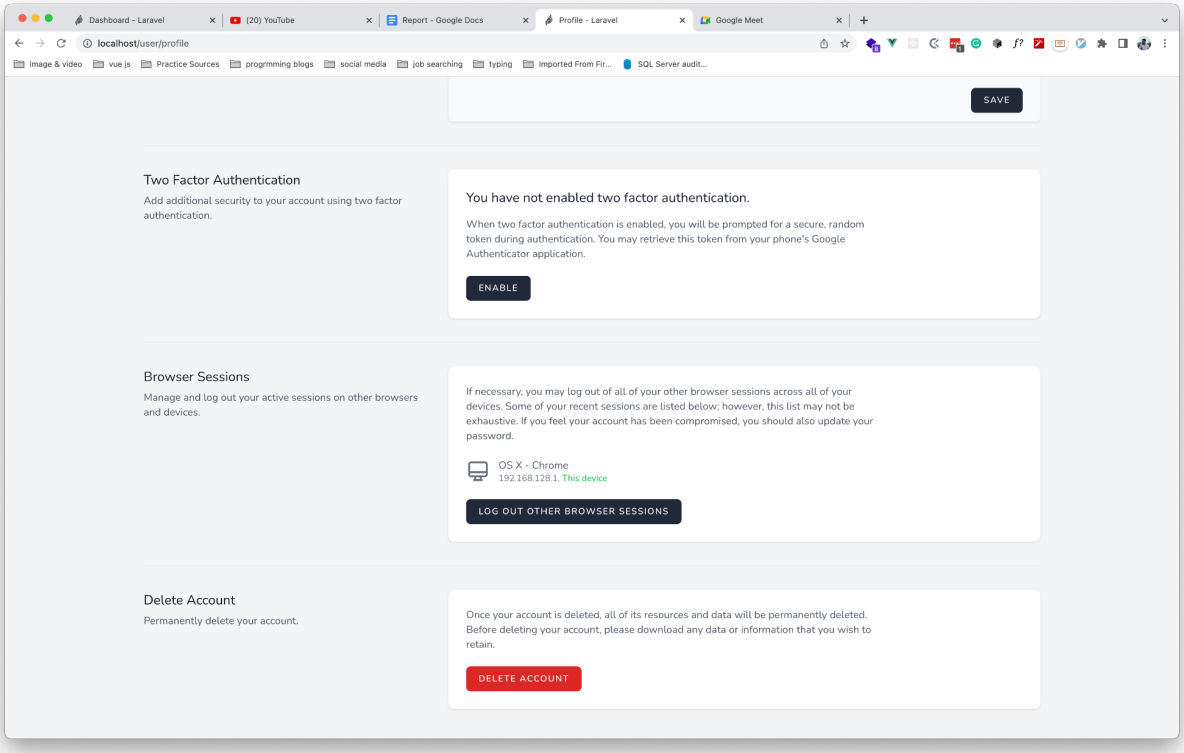
Invited
Connections
sinashariati
Profile
Profile Information
Update your account's profile information and email address.
Name
sinashariati
Email
sina.shariati@yahoo.com
SAVE
Update Password
Ensure your account is using a long, random password to stay secure.
Current Password
New Password
Confirm Password
SAVE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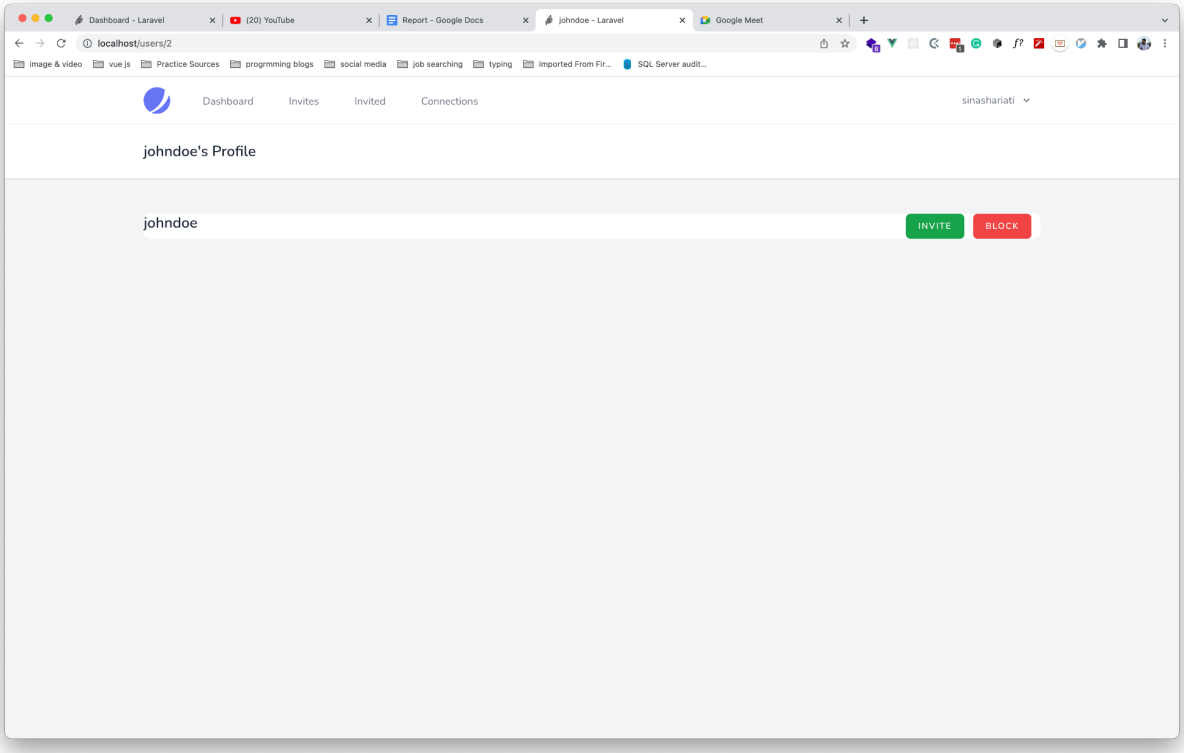
localhost/user/profile
SAVE
Two Factor Authentication
Add additional security to your account using two factor authentication.
You have not enabled two factor authentication.
When two factor authentication is enabled, you will be prompted for a secure, random token during authentication. You may retrieve this token from your phone's Google Authenticator application.
ENABLE
Browser Sessions
Manage and log out your active sessions on other browsers and devices.
If necessary, you may log out of all of your other browser sessions across all of your devices. Some of your recent sessions are listed below; however, this list may not be exhaustive. If you feel your account has been compromised, you should also update your password.
OS X - Chrome
192.168.128.1, This device
LOG OUT OTHER BROWSER SESSIONS
Delete Account
Permanently delete your account.
Once your account is deleted, all of its resources and data will be permanently deleted. Before deleting your account, please download any data or information that you wish to retain.
DELETE ACCOUNT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