Researching Project IoT Platform using Laravel and Mobile App

' Week4 Report '

Lecturer: Mr. HEL Chanthan

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2019-2020

Outline

- ❖ Planning for First Month

- ❖ Planning for Second Month

- ❖ Creating User Login and Register

- ❖ Starting apply Admin Template for User login

- ❖ Starting apply Admin Template for Backend

- ❖ Creating User (create, edit & delete) on backend connect to database

- ❖ Creating Route of User, Category, Company, Social, and About

- ❖ Creating Alert Message

❖ Planning for First Month

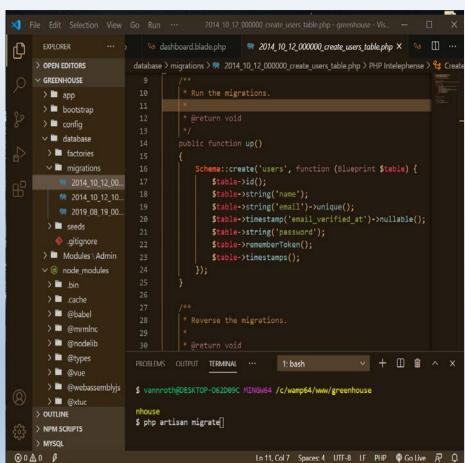| Activity (Start on 06.08.2020)	Thursday (Presentation day)	Friday	Monday	Tuesday	Wednesday (Meeting day)
Week 1	Installation MongoDB (Shell and Compass) and connect localhost between Shell and Compass.(Locally)	Performing CRUD (Create, Read, Update, Delete) on Mongo Shell and MongoDB Compass.	Creating MongoDB Atlas account and connect it to Mongo Shell or MongoDB Compass, and Driver (Node.js).(Cloud)	Installation Visual Studio Code and connect driver to MongoDB Atlas.(Cloud)	Connecting sample Backend to MongoDB Cluster and storing Products in the Database.
Week 2	Connecting driver to Mongo Shell.(Locally)	Starting to build sample backend connect with or without MongoDB Atlas.	Build creating, editing and deleting Products on server.	Transmitting and fetching data to/from the Database.	Creating Login and Signup. (Email and password)
Week 3	Learning template Bootstrap 4	Install wampserver and Laravel	Run Laravel server with MySQL(Database)	Choose free template Bootstrap for Front-End & Backend	Installation Laravel Module for Backend and Front-End
Week 4	Starting to build backend for project. & Creating Login and Signup.	User management: • Create new user • Reset user password • Delete and edit user	Manage Info: • Logo • Name • Contact info • Map • Social	Manage new category: • Create new category • Edit and delete exiting categories.	Manage news: • Post news • Edit news • Delete news

❖ Planning for Second Month

Activity (Start on 06.08.2020)	Thursday (Presentation day)	Friday	Monday	Tuesday	Wednesday (Meeting day)
Week 5	Create Dashboard	Create Dashboard	Manage Calculate: • Addition • Subtraction • Multiplication • Division	Write API & Read API	Write API & Read API
Week 6	Connect to ESP8266 or NodeMcu & fetch data from Arduino	Get data from Sensors and Calculate.	Show data on Dashboard	Connect Backend to Front-End	Front-End fetch data from Backend
Week 7	Choose Flutter or React Native for build Mobile App.	Learning Flutter or React native	Start build sample project	Create Horizontal list view & build recent products grid view.	Manage Info: • Product details • Home page Ui modification • Shopping cart & list page • User login & Register • Contact info
Week 8	Creating Users, brand and category on database & Adding products to the database.	Auto complete search for categories and brands & Uploading Images to firebase.	Login and signup screen redesign & Google sign in for IOS and Android .	Firebase Auth using provider package & Dashboard UI/UX and Database product modeling.	Load products from firebase part & loading products from database.

❖ Creating User Login and Register

□ Stage1 Run migration for user login (Make sure already create database as greenhouse)
   $ php artisan migrate
□ Stage2 Generate user login in Laravel 7
   $ composer require laravel/ui
   $ php artisan ui bootstrap –auth
   $ npm install && npm run dev

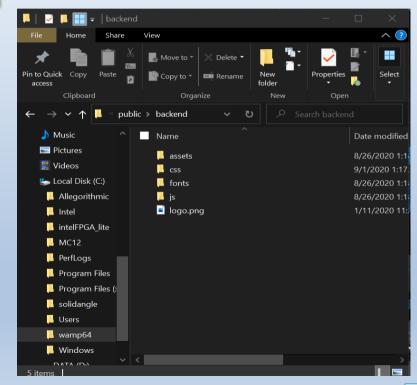https://www.itsolutionstuff.com/post/laravel-6-auth-login-with-username-or-email-tutorialexample.html

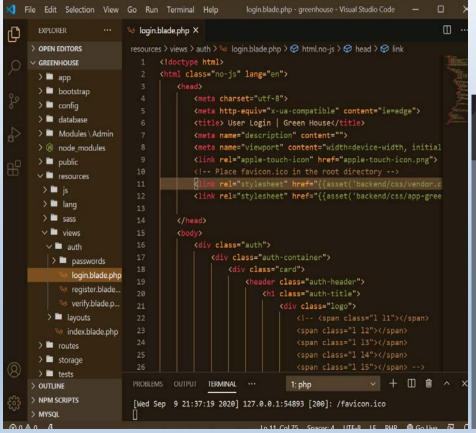

After Run Command

Starting apply Admin Template for User login

Create new folder as backend in greenhouse\public and copy all folder in admin template and paste in folder greenhouse\public\backend.

https://github.com/Chanthan89/Smart-Irrigation/tree/master/Weekly%20Presentation/Sept-2020/VANNAK%20Sovannroth/User%20Login
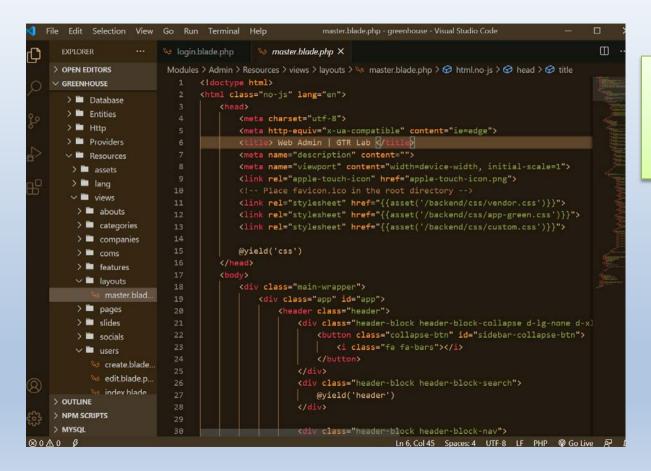
❖ Starting apply Admin Template for User login

Open file login.html with VS code and copy code to login.blade.php, and then edit link with old code and new code.
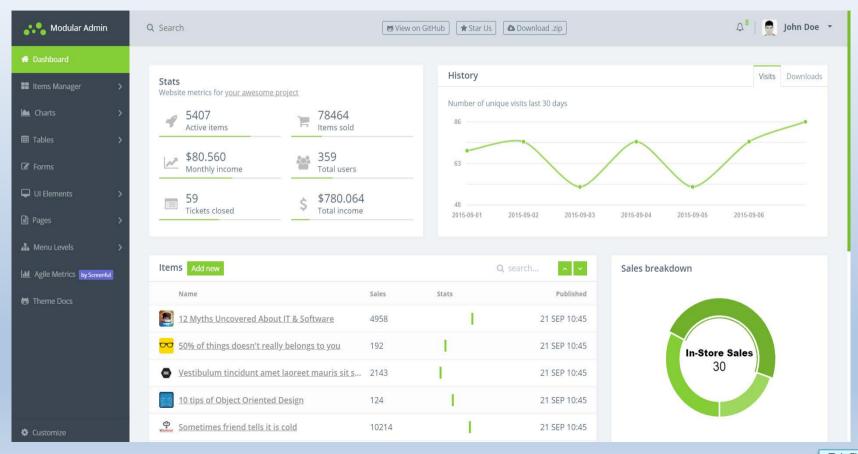
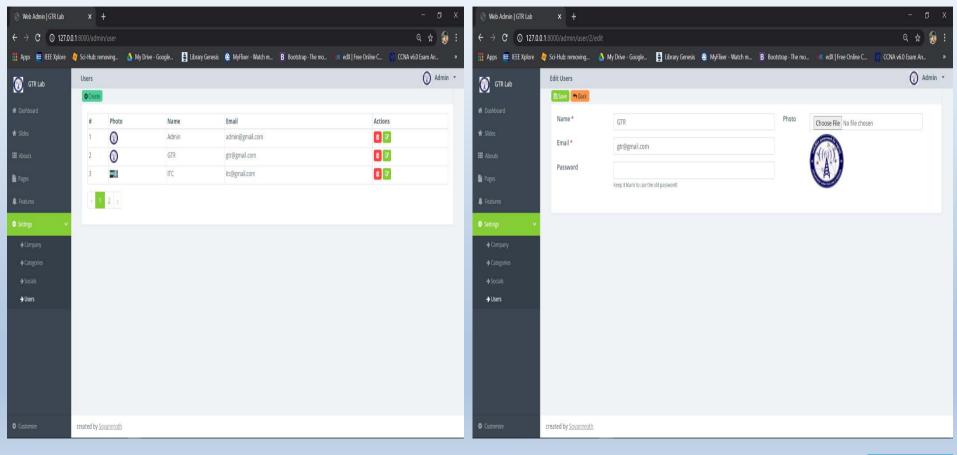## ❖ Starting apply Admin Template for Backend

Open file index.html with VS code and copy code to master.blade.php in Module for backend, and then edit link with old code and new code.

https://github.com/Chanthan89/Smart-Irrigation/tree/master/Weekly%20Presentation/Sept-2020/VANNAK%20Sovannroth/Create%20Admin
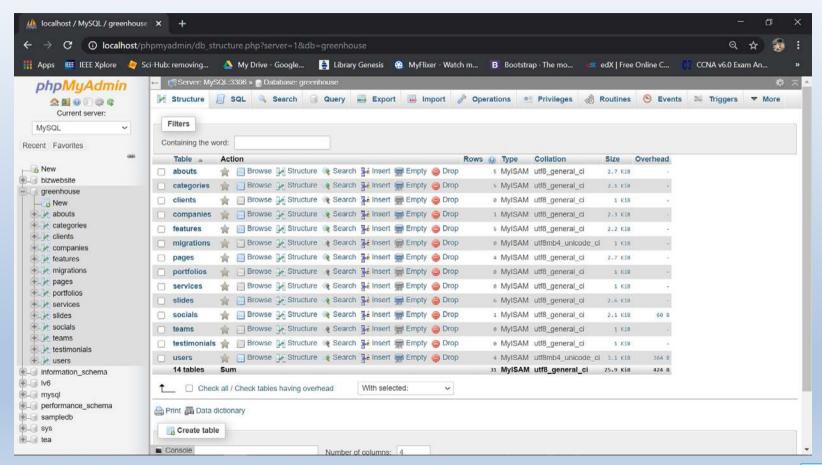
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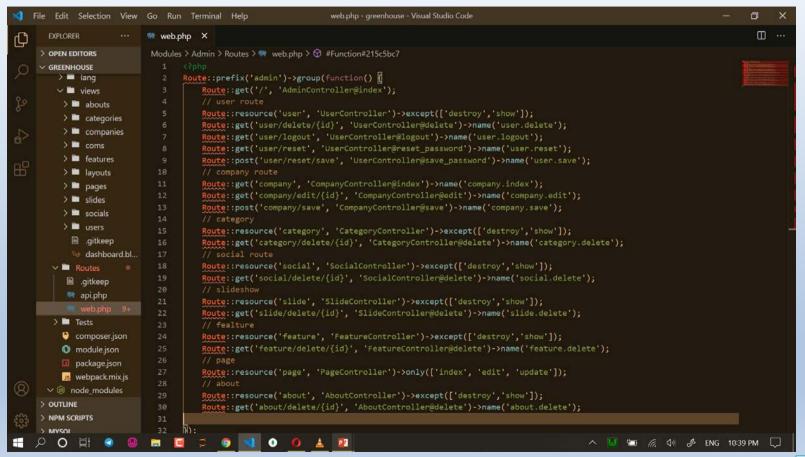
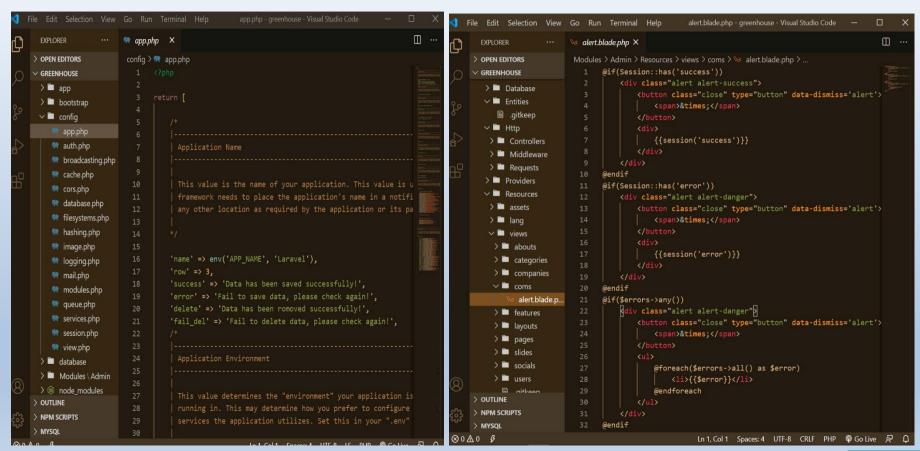❖ **Creating User (create, edit & delete) on backend connect to database**

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Create User, Category, Company, Social, and About below link:

https://github.com/Chanthan89/Smart-Irrigation/tree/master/Weekly%20Presentation/Sept-2020/VANNAK%20Sovannroth

❖ Creating Route of User, Category, Company, Social, and About.

❖ Creating Alert Message

Thank You!