# Researching Project IoT Platformusing Laravel and Mobile App oct 5

**Returning Visitor** 

'Week4 Report'

Lecturer: Mr. HEL Chanthan

Prepared by Mr. VANNAK Sovannroth

## 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**

<b>Activity</b> (Start on 06.08.2020)	<b>Thursday</b> (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:	Manage Info: • Logo • Name • Contact info • Map • Social	<ul><li>Manage new category:</li><li>Create new category</li><li>Edit and delete exiting categories.</li></ul>	Manage news: • Post news • Edit news • Delete news

# **Planning for Second Month**

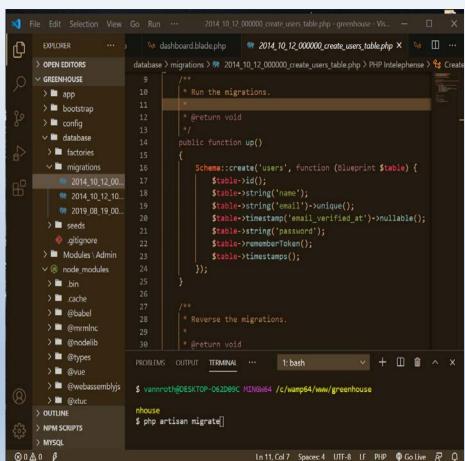
<b>Activity</b> (Start on 06.08.2020)	<b>Thursday</b> (Presentation day)	Friday	Monday	Tuesday	Wednesday (Meeting day)
Week 5	Create Dashboard	Create Dashboard	Manage Calculate:	Write API & Read API	Write API & Read API
Week 6	Connect to ESP8266 or NodeMcu & fetch data from Arduino	Get data from Sensors 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

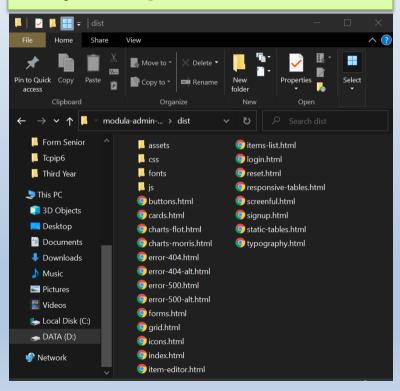
https://www.itsolutionstuff.com/post/laravel-6-auth-login-with-username-or-email-tutorialexample.html



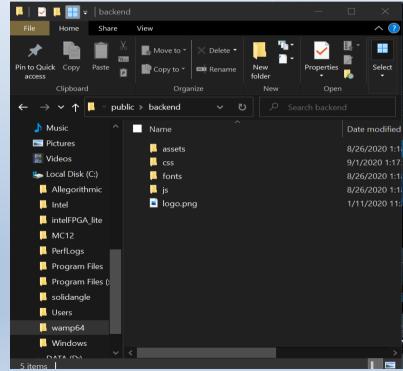


#### Starting apply Admin Template for User login

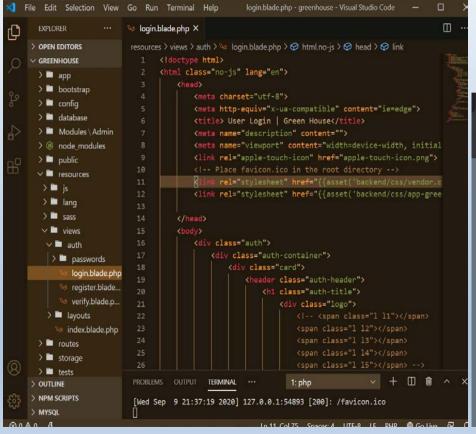
Create new folder as backend in greenhouse\public and copy all folder in admin template and paste in folder greenhouse\public\backend.



https://github.com/Chanthan89/Smart-Irrigation/tree/master/Weekly%20Presentation/Sep t-2020/VANNAK%20Sovannroth/User%20Login



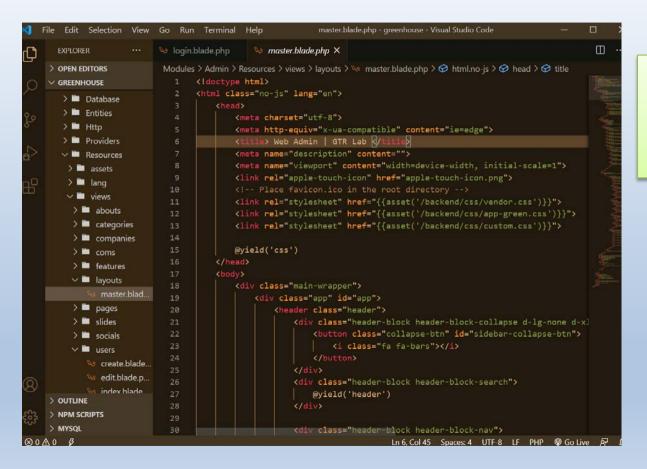
#### Starting apply Admin Template for User login



Open file login.html with VS code and copy code to login.blade.php, and then edit link with old code and new code.

S User Login   Green House	× +	
← → C ① 127.0	0.1:8000/login	익 ☆ 🚳 :
Apps EEE IEEE Xplore	🧶 Sci-Hub: removing 🍐 My Drive - Google	🚊 Library Genesis »
	User Login	
	LOGIN TO CONTINUE	
	Email	
	Password	
	Login	
	◆ Back to Website	

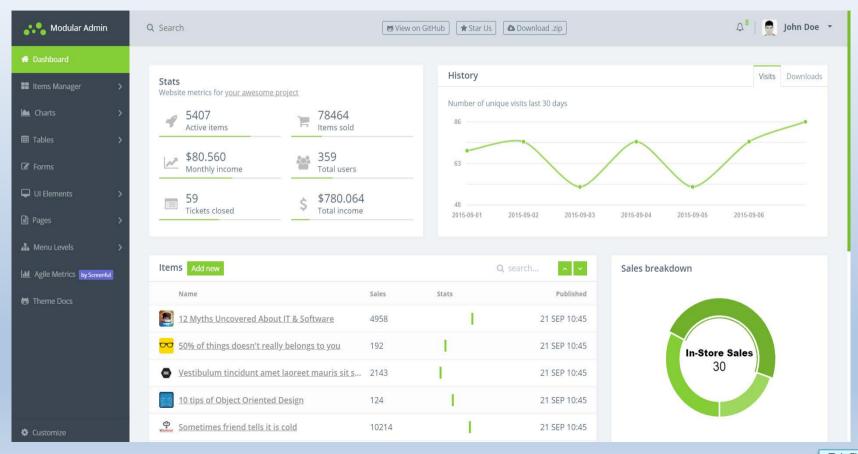
#### Starting apply Admin Template for Backend



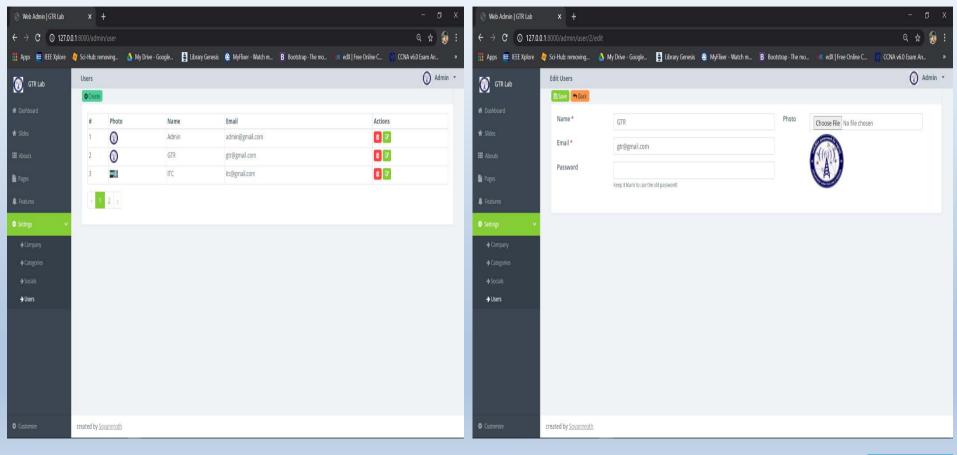
Open file index.html with VS code and copy code to master.blade.php in Module for backend, and then edit link with old code and new code.

https://github.com/Chanth an89/Smart-Irrigation/tree/master/Wee kly%20Presentation/Sept-2020/VANNAK%20Sovannr oth/Create%20Admin

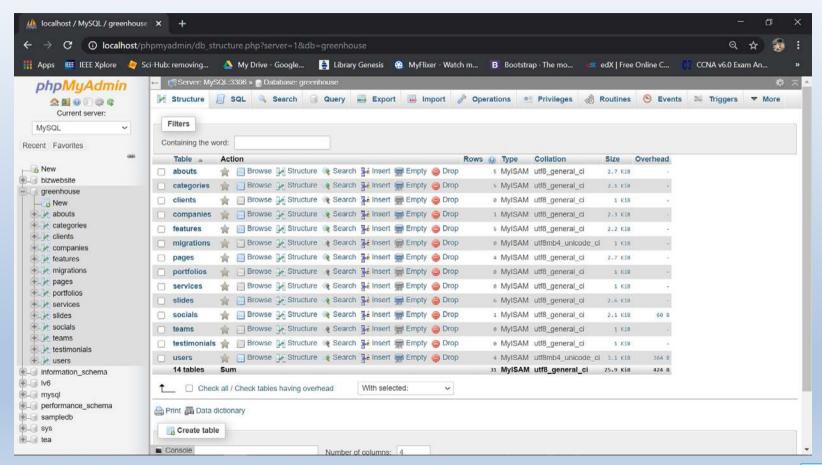
#### **Starting apply Admin Template for Backend**



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



#### **Creating User (create, edit & delete) on backend connect to database**

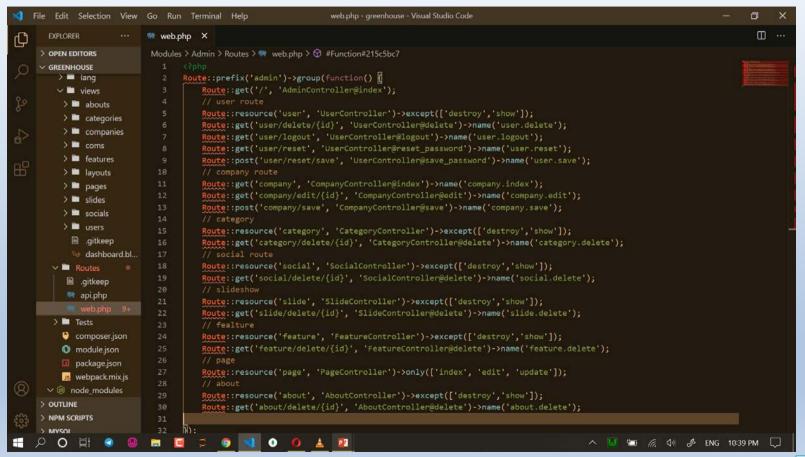


#### **Creating User (create, edit & delete) on backend connect to database**

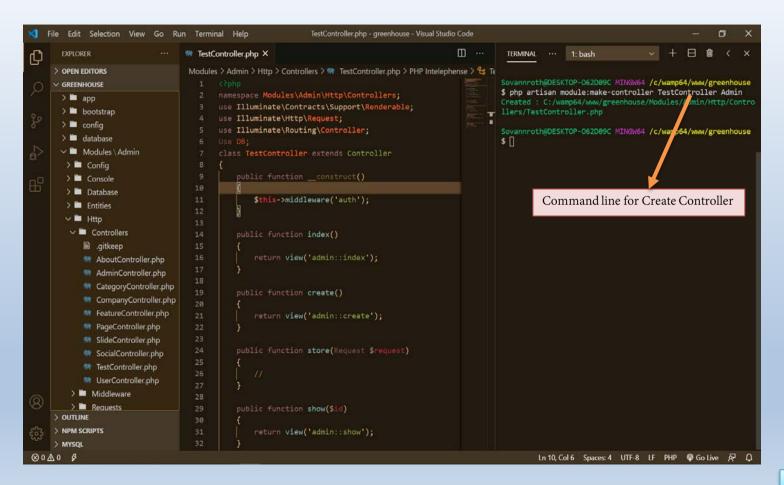
- ☐ Step for creating collections:
  - 1. Route
  - 2. Controller
  - 3. Construct
  - 4. Index
  - 5. Create
  - 6. Upload file
  - 7. Store Data
  - 8. Edit
  - 9. Alert

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

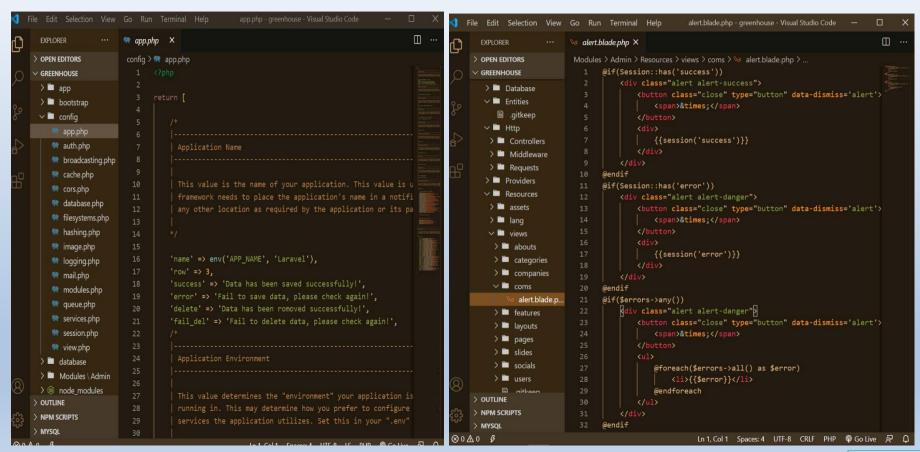
https://github.com/Chanthan89/Smart-Irrigation/tree/master/Weekly%20Presentatio n/Sept-2020/VANNAK%20Sovannroth Creating Route of User, Category, Company, Social, and About.



#### Creating Controller for collections



### Creating Alert Message



# Thank You!