

# Researching Project IoT Platform using Laravel and Mobile App

## ‘ Week3 Report ’

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2019-2020

Returning Visitor



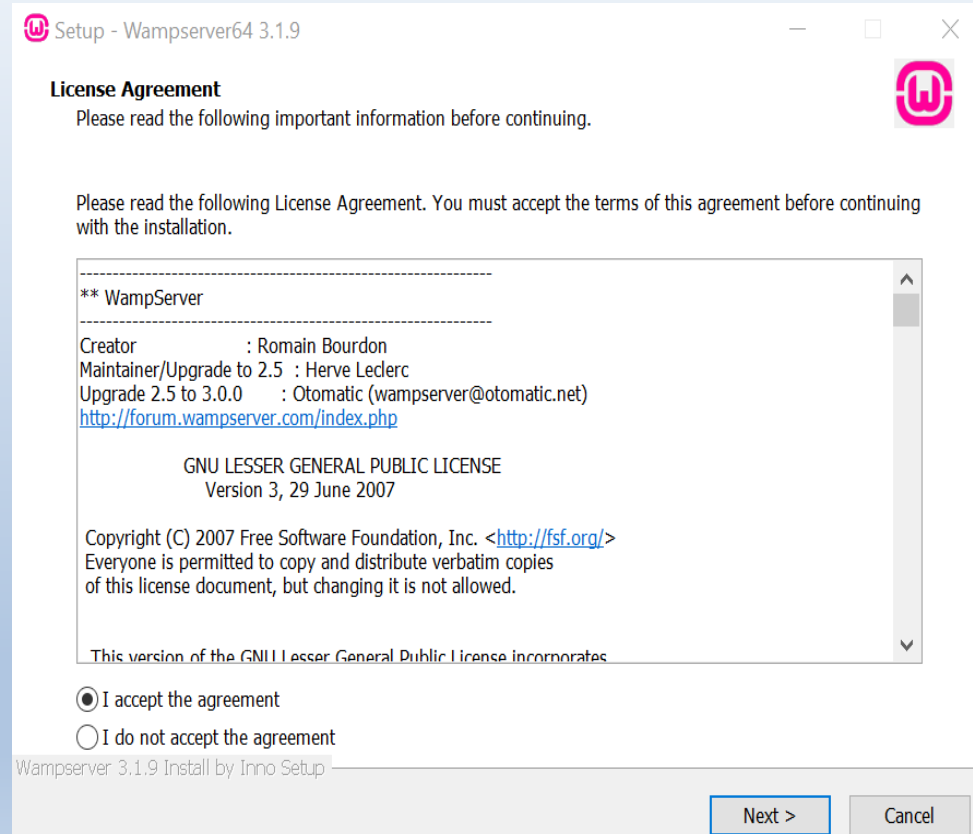
# Outline

- ❖ Planning for First Month.
- ❖ Installation Wampserver for running phpMyAdmin
- ❖ Bootstrap Template
  - For Front-End
  - For Backend
- ❖ Installation Laravel for Project
- ❖ Running Server
- ❖ Creating Database MySQL
- ❖ Installation Laravel Module for Backend and Front-End
  - Module for Backend
  - Module for Front-End

# ❖ Planning for First Month

Activity (Start on 06.08.2020)	Thursday (Presentation day)	Friday	Monday	Tuesday	Wednesday (Meeting day)
<b>Week 1</b>	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.
<b>Week 2</b>	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)
<b>Week 3</b>	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
<b>Week 4</b>	Starting to build backend for project. & Creating Login and Signup.	User management: <ul style="list-style-type: none"> <li>• Create new user</li> <li>• Reset user password</li> <li>• Delete and edit user</li> </ul>	Manage Info: <ul style="list-style-type: none"> <li>• Logo</li> <li>• Name</li> <li>• Contact info</li> <li>• Map</li> <li>• Social</li> </ul>	Manage new category: <ul style="list-style-type: none"> <li>• Create new category</li> <li>• Edit and delete exiting categories.</li> </ul>	Manage news: <ul style="list-style-type: none"> <li>• Post news</li> <li>• Edit news</li> <li>• Delete news</li> </ul>

# ❖ Installation Wampserver for running phpMyAdmin



# ❖ Installation Wampserver for running phpMyAdmin

Setup - Wampserver64 3.1.9

## Information

Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

### --- Installation of Wampserver ---

**BEFORE** proceeding with the installation of Wampserver, you must ensure that certain elements are installed on your system, otherwise Wampserver will absolutely not run, and in addition, the installation will be faulty and you need to remove Wampserver BEFORE installing the elements that were missing.

**Make sure you are "up to date" in the redistributable packages VC9, VC10, VC11, VC13, VC14 and VC15**

See --- Visual C++ Packages below:

--- Do not install Wampserver OVER an existing version, follow the advice:

- Install a new version of Wampserver: <http://forum.wampserver.com/read.php?2,123606>

If you install Wampserver over an existing version, not only it will not work, but you risk losing your existing databases.

--- Install Wampserver in a folder at the root of a disk, for example C:\wamp or D:\wamp. Take an installation path that does not include spaces or diacritics. Therefore, no installation in c:\# Program Files# or C:\# Program Files (x86)#

We must BEFORE installing, disable or close some applications:

- Close Skype or force not to use port 80

Item No. 04 of the Wampserver TROUBLESHOOTING TIPS: <http://forum.wampserver.com/read.php?2,134915>

- Disable IIS

Item No. 08 of the Wampserver TROUBLESHOOTING TIPS: <http://forum.wampserver.com/read.php?2,134915>

If these prerequisites are not in place, Press the Cancel button to cancel the installation, then apply the prerequisites and restart the installation.

This program requires Administrator privileges to function properly. It will be launched with the "Run as administrator" option. If you do not want a program to have this option, cancel the installation.

### --- Visual C++ Packages ---

The MSVC runtime libraries VC9, VC10, VC11 are required for Wampserver 2.4, 2.5 and 3.0, even if you use only Apache and PHP versions with VC11. Runtimes VC13, VC14 is required for PHP 7 and Apache 2.4.17 or more

-- VC9 Packages (Visual C++ 2008 SP1)

<http://www.microsoft.com/en-us/download/details.aspx?id=5582>

<http://www.microsoft.com/en-us/download/details.aspx?id=2092>

-- VC10 Packages (Visual C++ 2010 SP1)

<http://www.microsoft.com/en-us/download/details.aspx?id=8328>

<http://www.microsoft.com/en-us/download/details.aspx?id=13523>

-- VC11 Packages (Visual C++ 2012 Update 4)

The two files VSU4#vc\_redist\_x86.exe and VSU4#vc\_redist\_x64.exe to be download are on the same page: <http://www.microsoft.com/en-us/download/details.aspx?id=30679>

-- VC13 Packages Update 5 (Visual C++ 2013)

The two files VSU4#vc\_redist\_x86.exe and VSU4#vc\_redist\_x64.exe to be download are on the same page: <https://support.microsoft.com/en-us/help/4032938/>

-- VC14 Packages (Visual C++ 2015 Update 3) Supersedes by VC15

-- VC15 Redistributable (Visual C++ 2017) Supersedes by VC16

-- VC16 Redistributable (Visual C++ 2015-2019)

[https://aka.ms/vs/16/release/VC\\_redist\\_x86.exe](https://aka.ms/vs/16/release/VC_redist_x86.exe)

[https://aka.ms/vs/16/release/VC\\_redist\\_x64.exe](https://aka.ms/vs/16/release/VC_redist_x64.exe)

VC2015-2019 (VC16) is backward compatible to VC2015 (VC14) and VC2017 (VC15). That means, a VC14 or VC15 module can be used inside a VC16 binary. Because this compatibility the version number of the Redistributable is 14.2.x.x and after you install the Redistributable VC2015-2019, VC2015 and VC2017 is removed but you can still use VC14 and VC15.

If you have a 64-bit Windows, you must install both 32 and 64bit versions of each VisualC++ package, even if you do not use Wampserver 64 bit

To verify that all VC++ packages are installed and with the latest versions, you can use the tool:

[http://wampserver.aviatechno.net/files/tools/check\\_vc\\_redist.exe](http://wampserver.aviatechno.net/files/tools/check_vc_redist.exe) and you will find all the packages on <http://wampserver.aviatechno.net/> in section Visual C++ Redistributable Packages

You must install each package "as an administrator" so right-click the exe file and then run as Administrator. Do not use a previously loaded tool. Make a new download to make sure you

Download all Packages and install it.

# ❖ Installation Wampserver for running phpMyAdmin

Download Microsoft Visual C++ 2008 SP1 Redistributable Package (x86)

Sample download Package Microsoft Visual C++ 2008 .

Microsoft Visual C++ 2008 SP1 Redistributable Package (x86)

Select Language:

The Microsoft Visual C++ 2008 SP1 Redistributable Package (x86) installs runtime components of Visual C++ Libraries required to run applications developed with Visual C++ SP1 on a computer that does not have Visual C++ 2008 SP1 installed.

[Details](#)

C:\wamp64\www\index.php - Notepad++

```
31
32 //On récupère la valeur de urlAddLocalhost
33 $suppress_localhost = ($wampConf['urlAddLocalhost'] == 'off' ? false : true);
34
35 //On récupère la valeur de VirtualHostMenu
36 $VirtualHostMenu = $wampConf['VirtualHostSubMenu'];
37
38 //on récupère la valeur de apachePortUsed
```

length : 20,592 lines : 537 Ln : 33 Col : 78 Sel : 0 | 0 Unix (LF) UTF-8 IN

Made in France by Otomatic

- Localhost
- phpMyAdmin 4.8.5
- Adminer 4.7.1
- Your VirtualHosts
- www directory
- Apache 2.4.39
- PHP 7.2.18
- MySQL 5.7.26
- MariaDB 10.3.14

3.1.9 - 64bit - Services

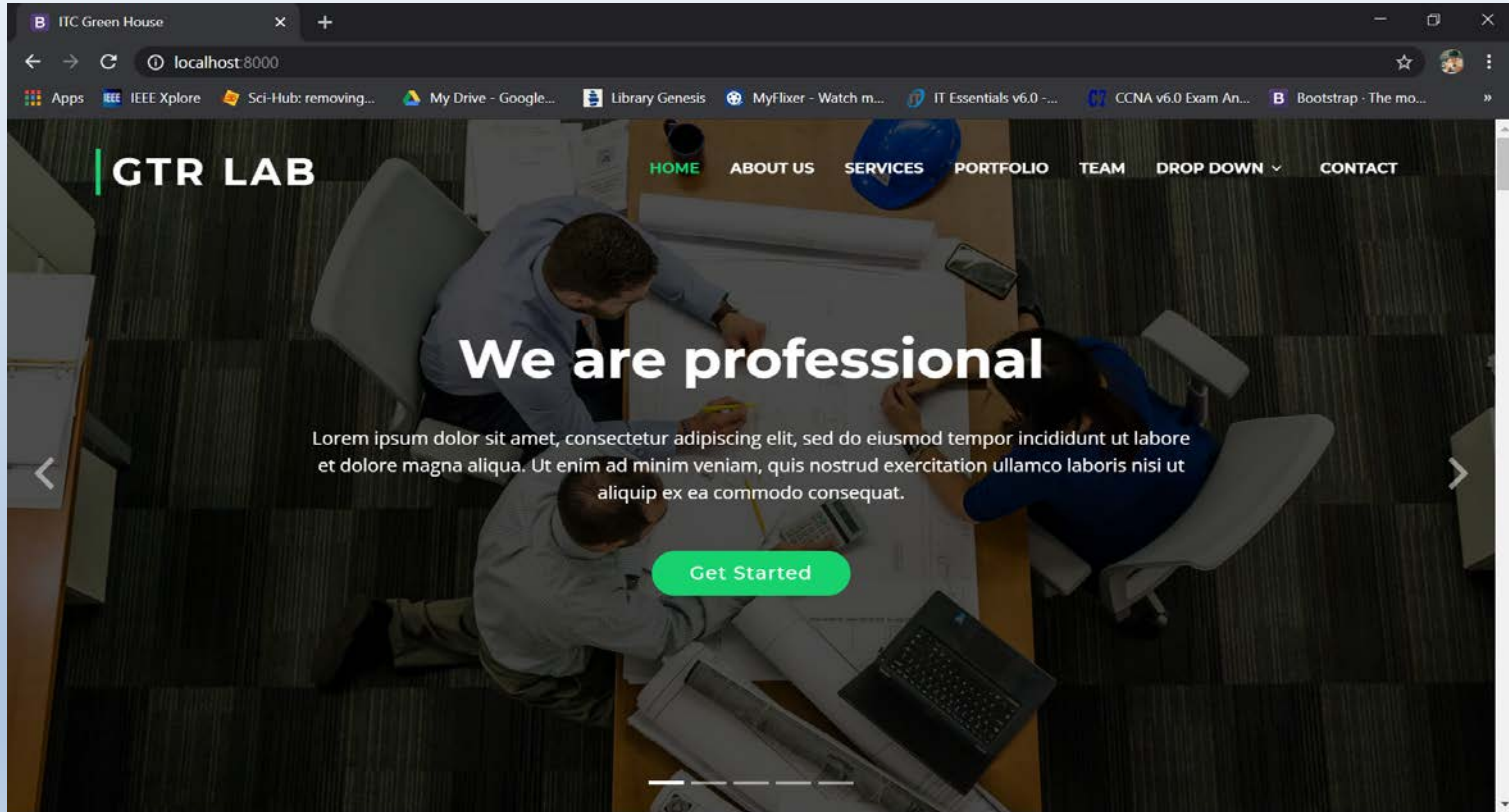
- Start All Services
- Stop All Services
- Restart All Services

Choose version PHP

Version	5.6.40
PHP settings	7.0.33
PHP extensions	7.1.29
php.ini	7.2.18
PHP error log	7.3.5
PHP documentation	

# ❖ Bootstrap Template

## ➤ For Front-End

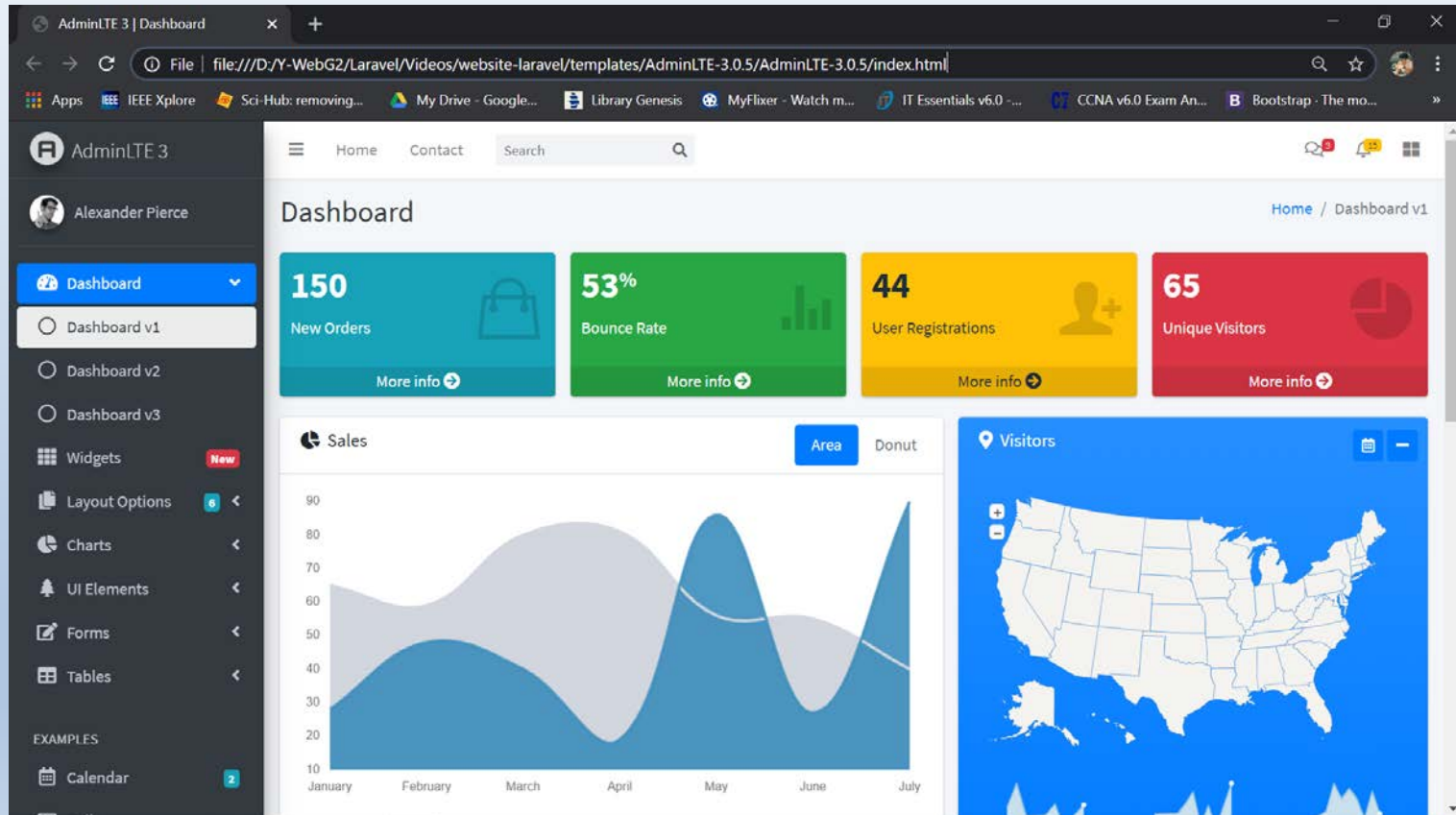


<https://bootstrapmade.com>



# ❖ Bootstrap Template

## ➤ For Backend



<https://adminlte.io>

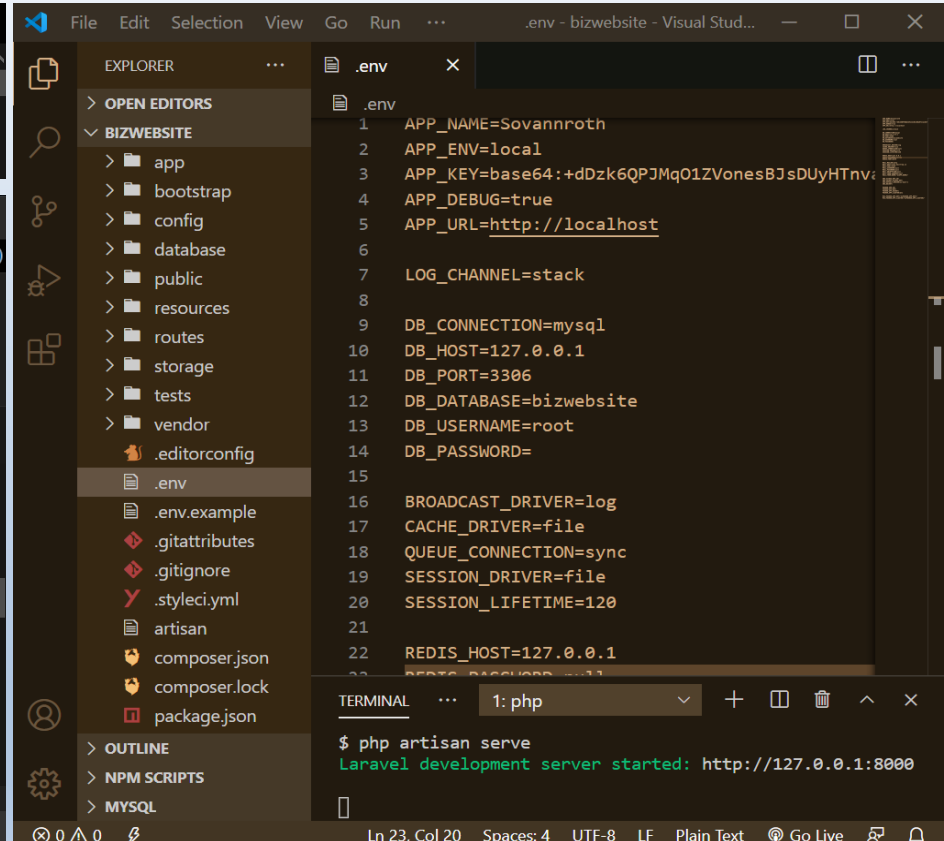
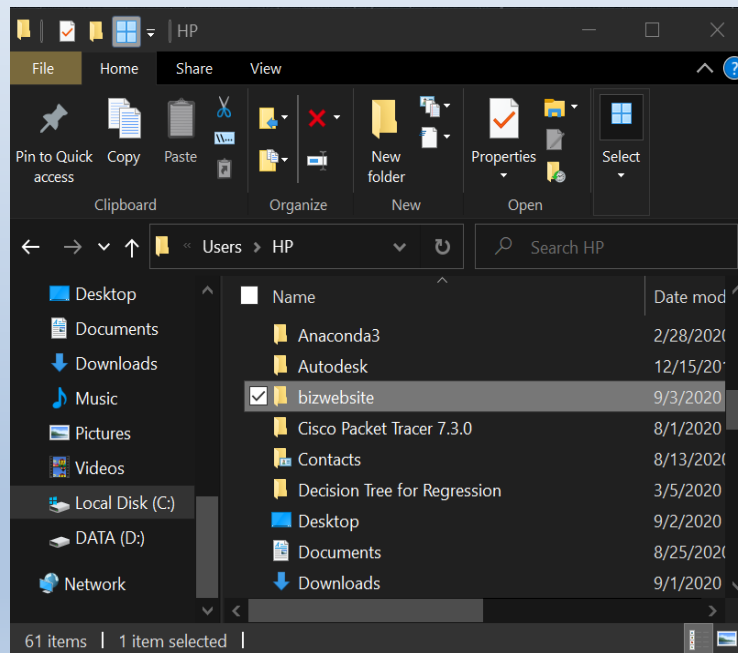
<https://modularcodes.io/modular-admin-html>



# ❖ Installation Laravel for Project

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

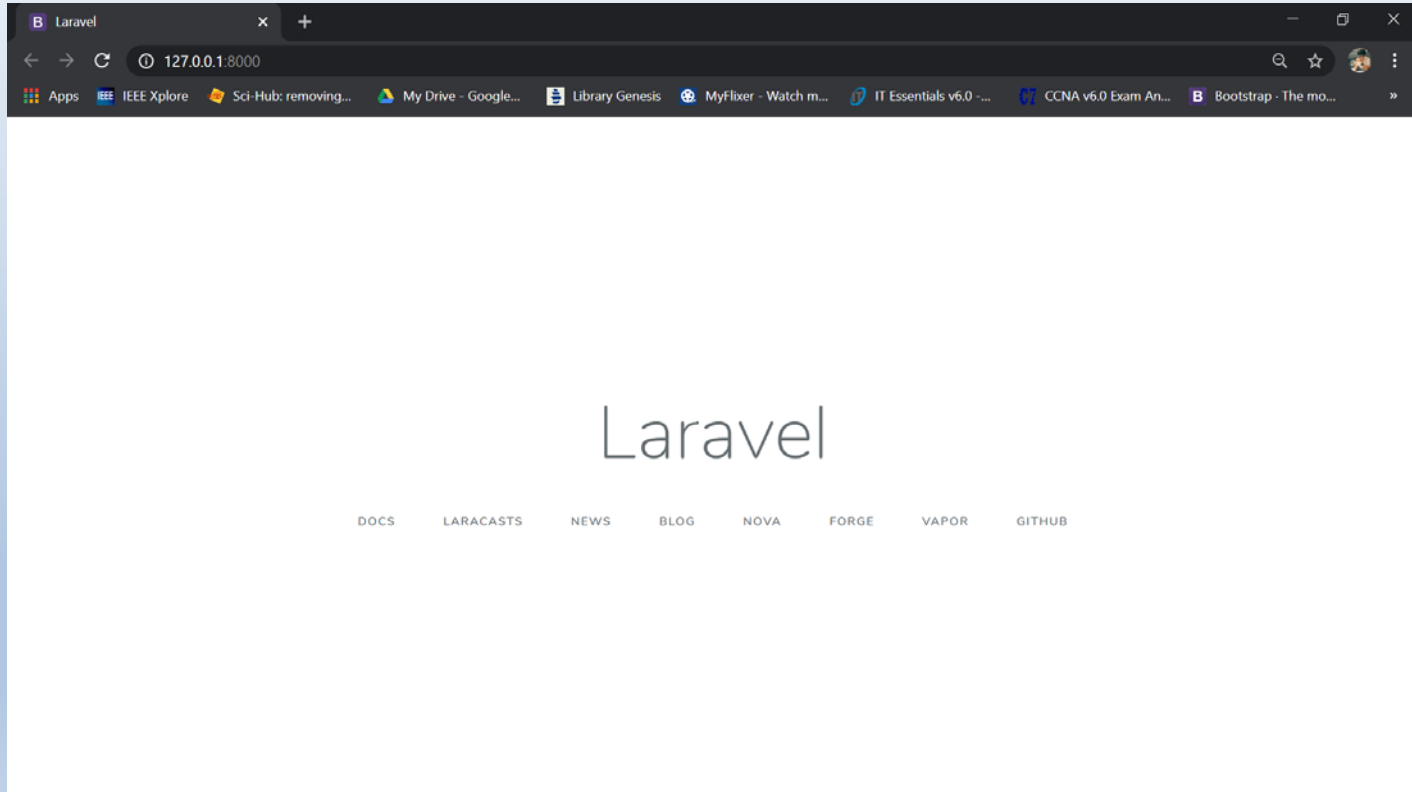
C:\Users\HP>composer create-project laravel/laravel bizwebsite
```



Move Folder bizwebsite to C:\wamp64\www\

## ❖ Running Server

Using command: 'php artisan serve' for running server.



# ❖ Creating Database MySQL

The screenshot shows the phpMyAdmin web interface in a browser. The address bar indicates the URL is `localhost/phpmyadmin/db_structure.php?server=1&db=bizwebsite`. The interface is for a MySQL server on localhost, connected to the 'bizwebsite' database.

On the left sidebar, the 'bizwebsite' database is selected, showing a tree view with tables: 'migrations', 'users', 'information\_schema', 'lv6', 'mysql', 'performance\_schema', 'sampledb', 'sys', and 'tea'.

The main panel displays the 'Structure' tab for the 'bizwebsite' database. It shows a list of tables with their properties:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> migrations	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	MyISAM	utf8mb4_unicode_ci	1 KiB	-
<input type="checkbox"/> users	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	MyISAM	utf8mb4_unicode_ci	3.1 KiB	364 B
<b>2 tables</b>	<b>Sum</b>	<b>4</b>	<b>MyISAM</b>	<b>utf8_general_ci</b>	<b>4.1 KiB</b>	<b>364 B</b>

Below the table list, there are options to 'Check all / Check tables having overhead' and a 'With selected:' dropdown.

At the bottom, there is a 'Create table' section with a 'Name:' input field and a 'Number of columns:' input field set to '4'. A 'Go' button is located to the right of these fields.

## ❖ Installation Laravel Module for Backend and Front-End

<https://github.com/nWidart/laravel-modules>

- ❑ Stage1 Run command:  
\$ composer require nwidart/laravel-modules  
\$ php artisan vendor:publish --provider="Nwidart\Modules\LaravelModulesServiceProvider"
- ❑ Stage2 add "Modules\\": "Modules/" in file composer.json

```
{  
    "autoload": {  
        "psr-4": {  
            "App\\": "app/",  
            "Modules\\": "Modules/"  
        }  
    }  
}
```
- \$ composer dump-autoload
- ❑ Stage3 make module for Backend  
\$ php artisan module:make Admin

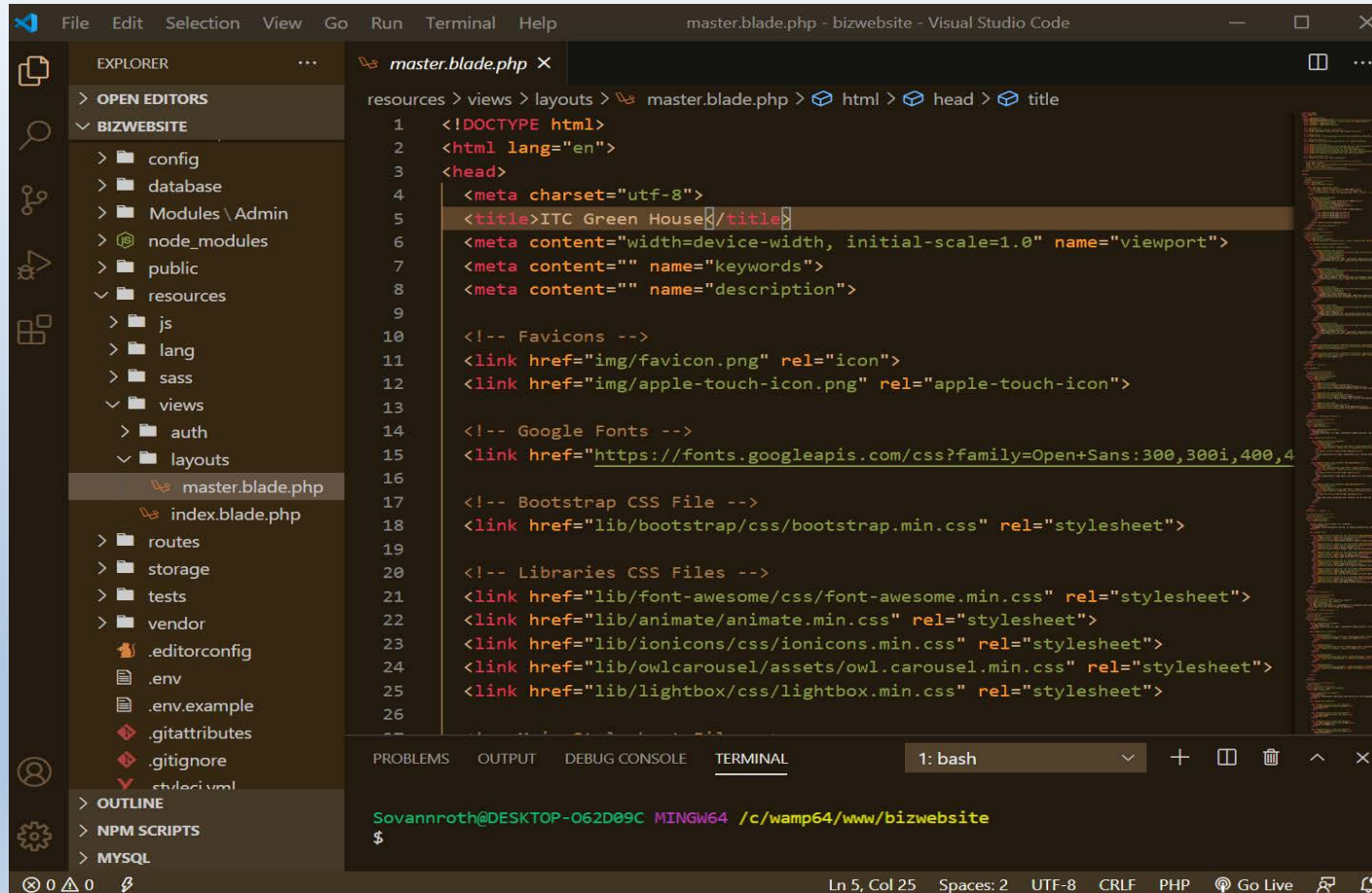
## ➤ Module for Backend

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORER:** Displays the project structure. The 'Modules \ Admin' folder is expanded, showing subfolders like 'config', 'database', 'Views', 'Http', 'Providers', 'Resources', 'assets', 'lang', 'views', 'coms', and 'layouts'. The 'master.blade.php' file is selected.
- EDITOR:** Displays the content of 'master.blade.php'. The code is a Blade template for a web admin interface. It includes a doctype, meta tags for charset, http-equiv, title, description, and viewport. It also includes links for stylesheets and favicons. The body contains a main wrapper with a header block and a sidebar-collapse button.
- TERMINAL:** Shows the command prompt for the user 'Sovannroth@DESKTOP-062D09C' in the 'MINGW64' environment. The current directory is '/c:/wamp64/www/bizwebsite'.

```
1 <!doctype html>
2 <html class="no-js" lang="en">
3   <head>
4     <meta charset="utf-8">
5     <meta http-equiv="x-ua-compatible" content="ie=edge">
6     <title> Web Admin | GTR Lab </title>
7     <meta name="description" content="">
8     <meta name="viewport" content="width=device-width, initial-scale=1">
9     <link rel="apple-touch-icon" href="apple-touch-icon.png">
10    <!-- Place favicon.ico in the root directory -->
11    <link rel="stylesheet" href="{{asset('/backend/css/vendor.css')}}">
12    <link rel="stylesheet" href="{{asset('/backend/css/app-green.css')}}">
13    <link rel="stylesheet" href="{{asset('/backend/css/custom.css')}}">
14
15    @yield('css')
16  </head>
17  <body>
18    <div class="main-wrapper">
19      <div class="app" id="app">
20        <header class="header">
21          <div class="header-block header-block-collapse d-lg-none d">
22            <button class="collapse-btn" id="sidebar-collapse-btn">
23              <i class="fa fa-bars"></i>
24            </button>
25          </div>
26          <div class="header-block header-block-search">
```

## ➤ Module for Front-End



The screenshot displays the Visual Studio Code interface with the following components:

- EXPLORER (Left Panel):** Shows the project structure for 'bizwebsite'. The 'resources' folder is expanded, showing subfolders like 'js', 'lang', 'sass', 'views', and 'layouts'. The 'master.blade.php' file is selected under 'views'.
- EDITOR (Main Panel):** Displays the content of 'master.blade.php'. The breadcrumb navigation at the top indicates the path: 'resources > views > layouts > master.blade.php > html > head > title'. The code includes:
  - Line 1: `<!DOCTYPE html>`
  - Line 2: `<html lang="en">`
  - Line 3: `<head>`
  - Line 4: `<meta charset="utf-8">`
  - Line 5: `<title>ITC Green House</title>`
  - Line 6: `<meta content="width=device-width, initial-scale=1.0" name="viewport">`
  - Line 7: `<meta content="" name="keywords">`
  - Line 8: `<meta content="" name="description">`
  - Line 9: (Empty line)
  - Line 10: `<!-- Favicons -->`
  - Line 11: `<link href="img/favicon.png" rel="icon">`
  - Line 12: `<link href="img/apple-touch-icon.png" rel="apple-touch-icon">`
  - Line 13: (Empty line)
  - Line 14: `<!-- Google Fonts -->`
  - Line 15: `<link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i">`
  - Line 16: (Empty line)
  - Line 17: `<!-- Bootstrap CSS File -->`
  - Line 18: `<link href="lib/bootstrap/css/bootstrap.min.css" rel="stylesheet">`
  - Line 19: (Empty line)
  - Line 20: `<!-- Libraries CSS Files -->`
  - Line 21: `<link href="lib/font-awesome/css/font-awesome.min.css" rel="stylesheet">`
  - Line 22: `<link href="lib/animate/animate.min.css" rel="stylesheet">`
  - Line 23: `<link href="lib/ionicons/css/ionicons.min.css" rel="stylesheet">`
  - Line 24: `<link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">`
  - Line 25: `<link href="lib/lightbox/css/lightbox.min.css" rel="stylesheet">`
  - Line 26: (Empty line)
- TERMINAL (Bottom Panel):** Shows a bash shell prompt with the current directory set to `/c/wamp64/www/bizwebsite`. The prompt is `$`.
- Status Bar (Bottom):** Displays 'Ln 5, Col 25', 'Spaces: 2', 'UTF-8', 'CRLF', 'PHP', and 'Go Live' status.



**Thank  
You!**