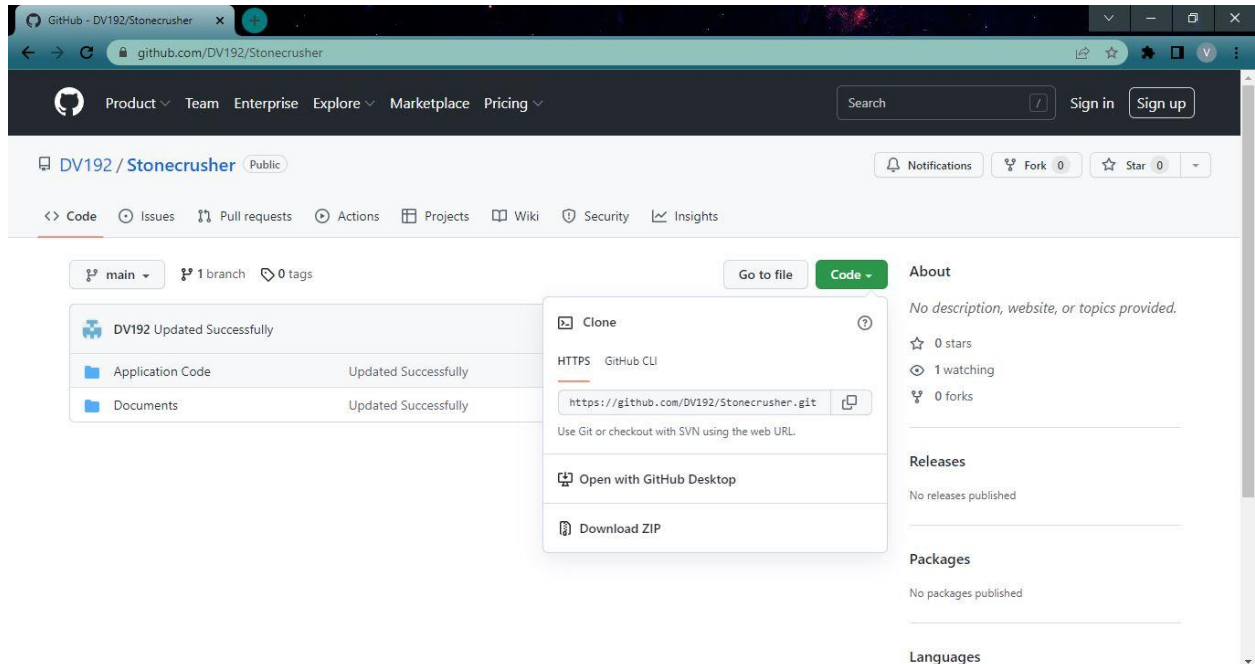


Easify - Installation Manual

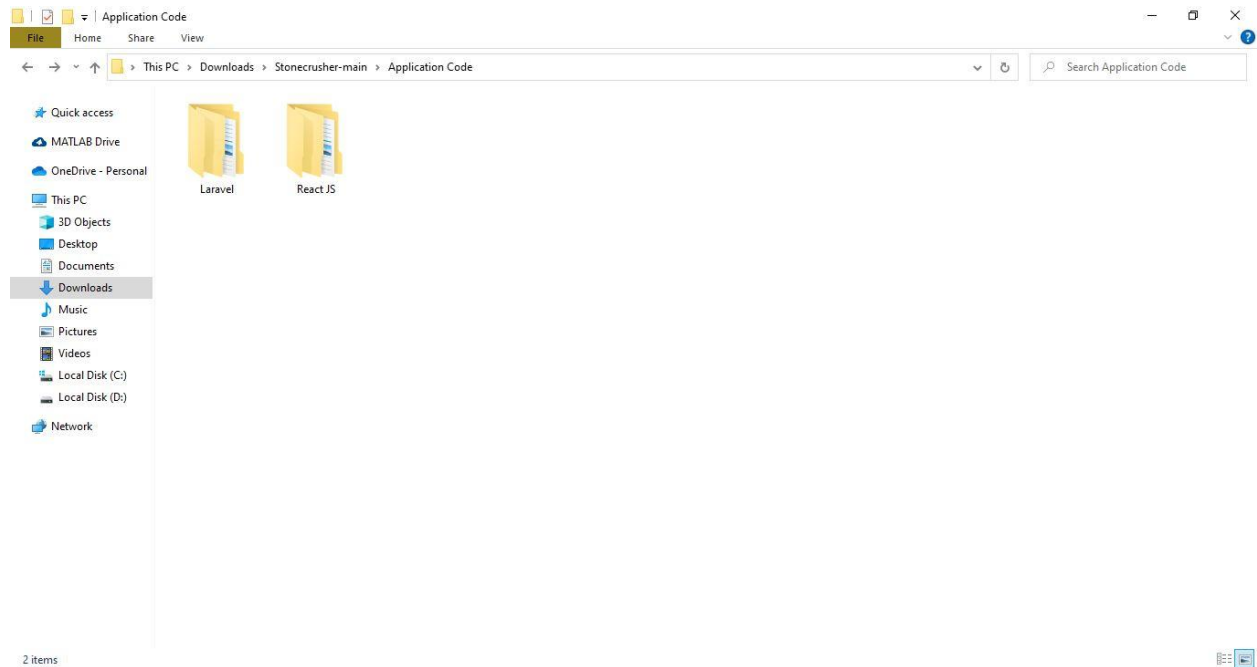
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Clone Our GitHub Repository



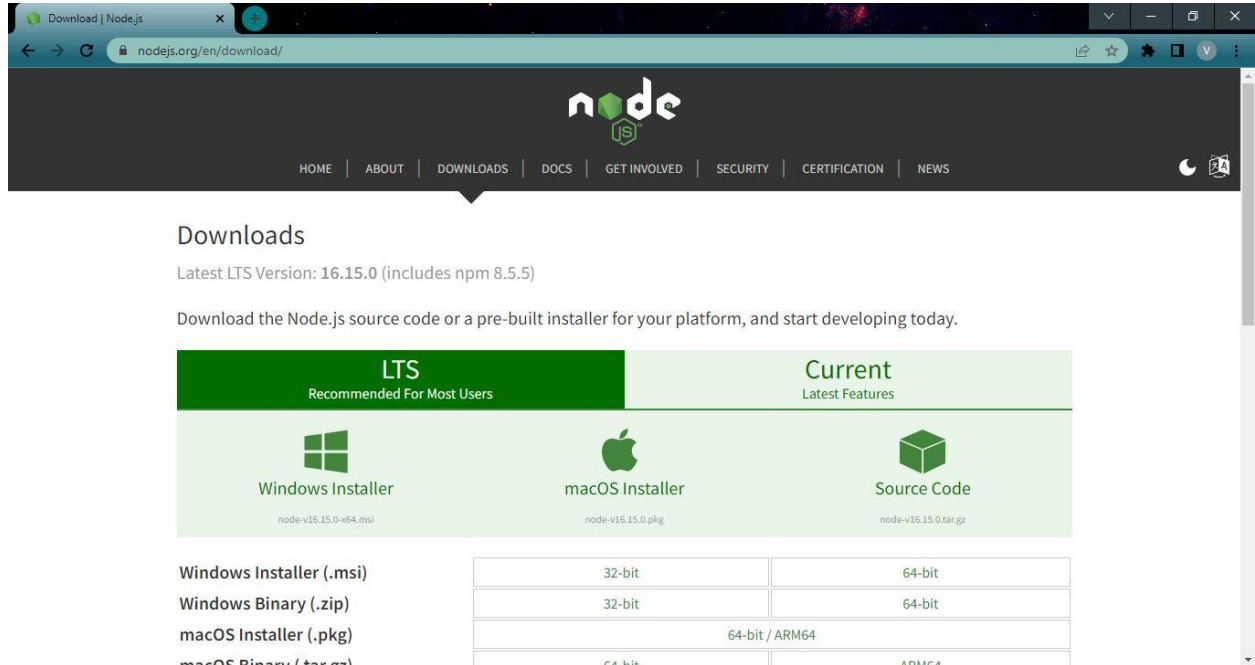
Link: <https://github.com/DV192/Stonecrusher>

This is our project's GitHub link. The user has to either clone our repository by using the <https://github.com/DV192/Stonecrusher.git> link or download a ZIP of our application. Both options are given here. To download the ZIP, the user has to click on the "Download ZIP" button. It will download this in the user's specified location. After that, the user has to extract that ZIP. If the user chooses to clone the repository using the link, the user has to paste the above link into Command Prompt or Terminal and run it. It will clone the repository in the user's specified location.



In the Application Code folder, there are two subdirectories: Laravel and React JS. First, we download and install all the requirements for the React JS and after that, we will do the same for the Laravel.

Installation of the requirements for the React JS Application

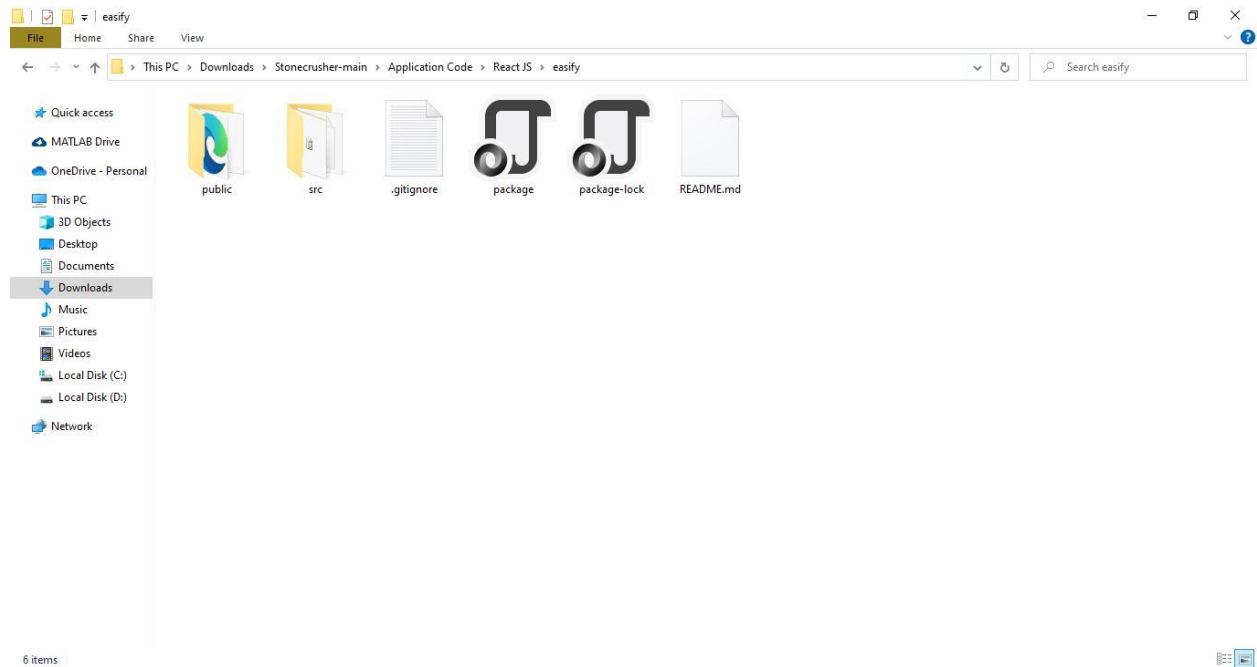


The screenshot shows the Node.js download page. The header includes the Node.js logo and navigation links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, and NEWS. The main content area is titled "Downloads" and states "Latest LTS Version: 16.15.0 (includes npm 8.5.5)". It instructs users to "Download the Node.js source code or a pre-built installer for your platform, and start developing today." Below this, there are two tabs: "LTS Recommended For Most Users" and "Current Latest Features". Under the "LTS" tab, there are three download options: "Windows Installer" (node-v16.15.0-x64.msi), "macOS Installer" (node-v16.15.0.pkg), and "Source Code" (node-v16.15.0.tar.gz). Below these options, there is a table showing the available architectures for each platform.

Platform	Architecture	Download Link
Windows Installer (.msi)	32-bit	node-v16.15.0-x86.msi
	64-bit	node-v16.15.0-x64.msi
macOS Installer (.pkg)	32-bit	node-v16.15.0.pkg
	64-bit	node-v16.15.0.pkg
Source Code (tar.gz)	64-bit / ARM64	node-v16.15.0.tar.gz

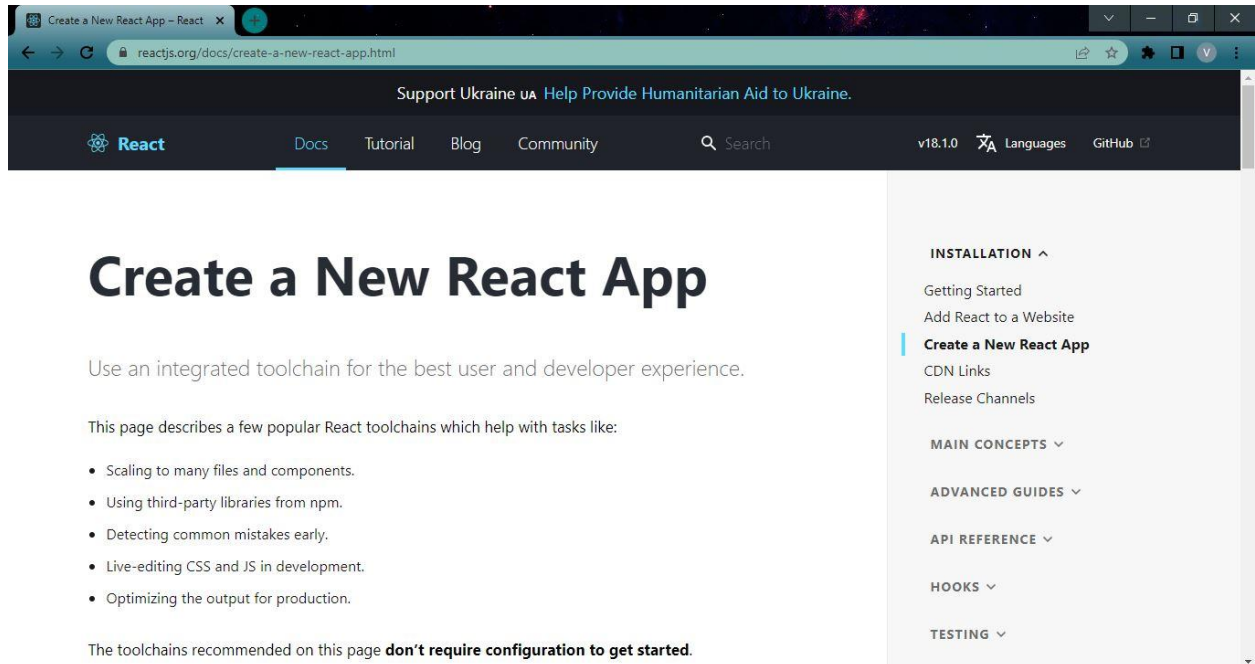
Link: <https://nodejs.org/en/download/>

This is the link to download and install Nodejs into the user's system. The user can select the type of the installer based on his/ her local system for example Windows, macOS, Linux. After downloading the installer on the personal device, the user has to install it in a proper manner.



To install required packages and libraries, the user has to go to this sub-directory Stonecrusher-main\Application Code\React JS\easify. Here, the user has open CMD or Terminal and run the command “npm install”. This command will install all the required and used packages and libraries for the Easify application into the user’s system.

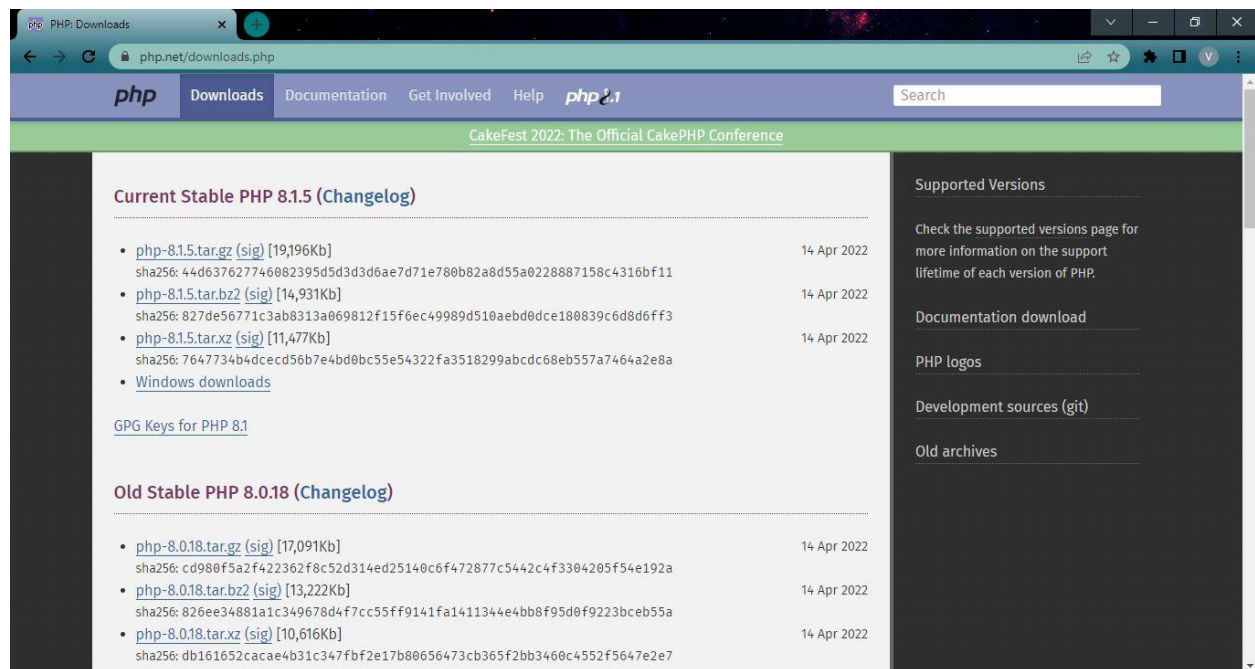
Learn more about React App



Link: <https://reactjs.org/docs/create-a-new-react-app.html>

This is the link to learn more about React App. This tutorial will teach the user how to create a new React App.

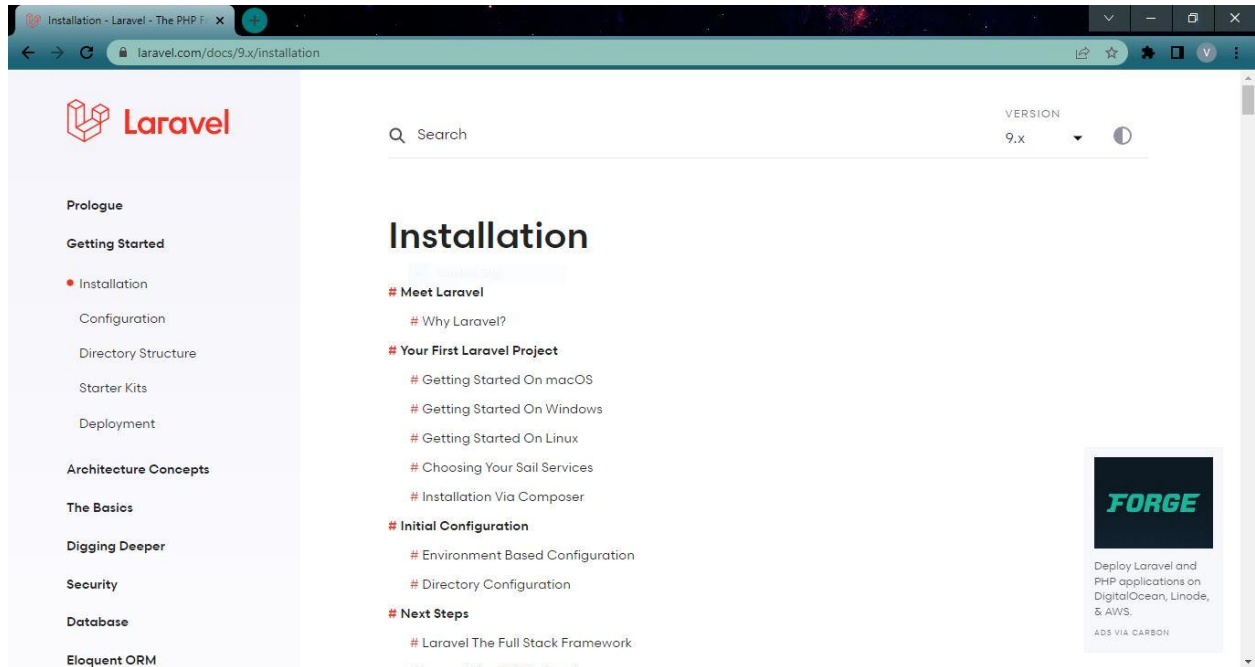
Installation of the requirements for the Laravel Application



Link: <https://www.php.net/downloads.php>

This is the link for PHP - a general-purpose scripting language. Here, the user can find compatible versions and different types of installation based on his/ her device type and the system type. After downloading the zip or any other method, the user has to extract that into the specific location. The user also has to set the System Environment Variable for PHP. The proper installation of PHP is required to use Laravel Application, without that Laravel will not work properly.

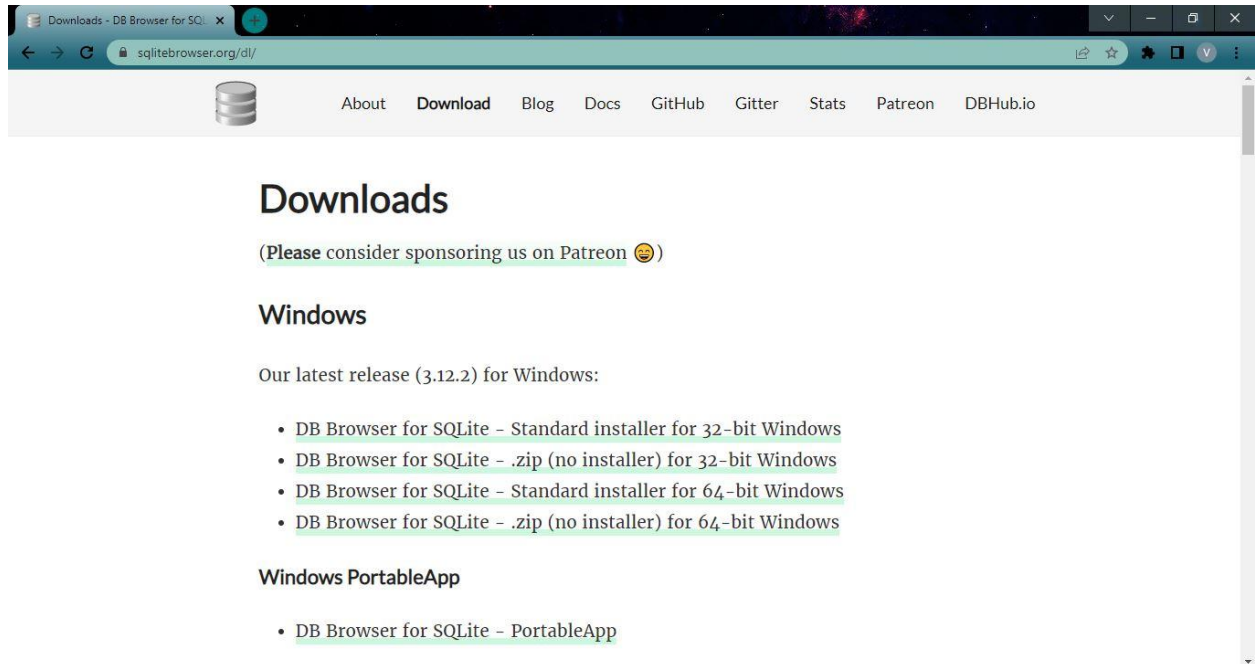
Learn more about Laravel



Link: <https://laravel.com/docs/9.x/installation>

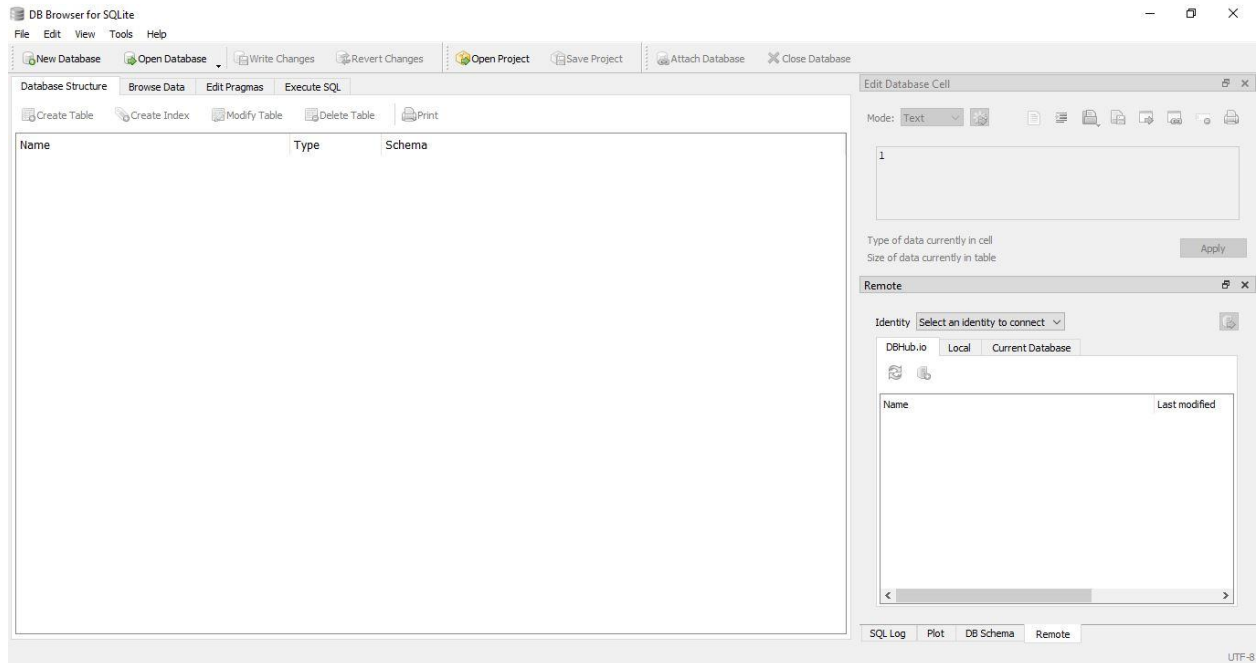
This is the link to learn more about Laravel. This tutorial will explain each and every step in detail and with examples for better understanding. The user can learn the installation and creation of the Laravel application and also how to use Laravel as a Full Stack Framework or as a Backend System.

Installation of SQLite DB Brower



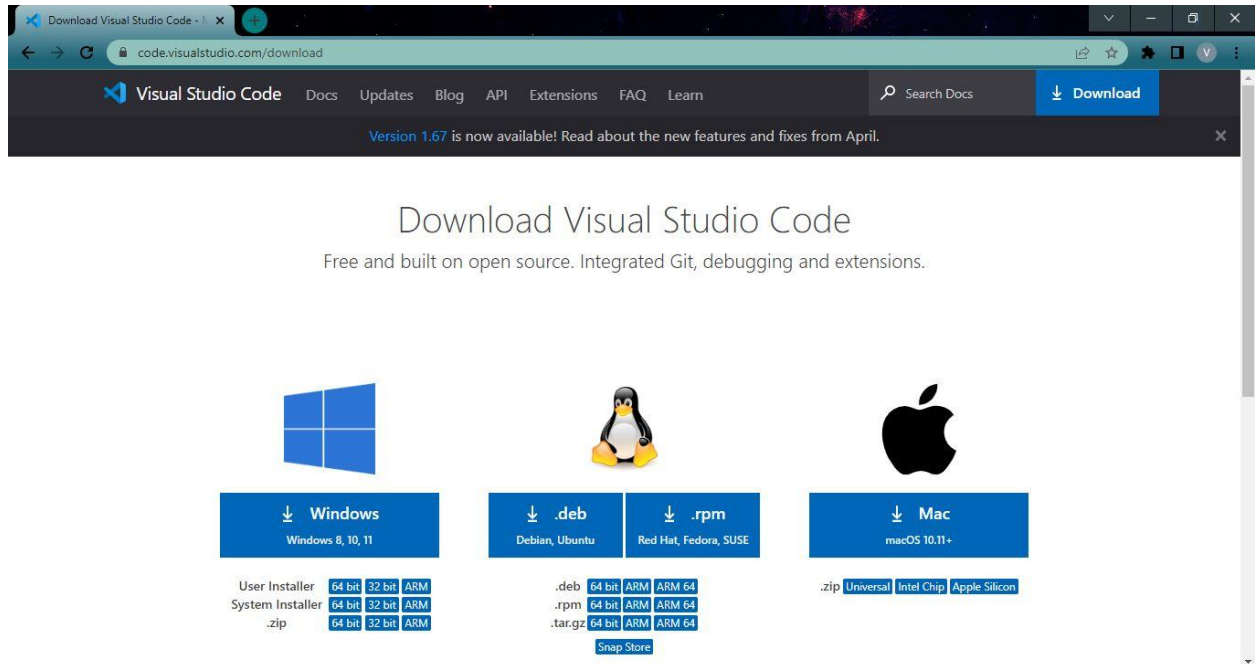
Link: <https://sqlitebrowser.org/dl/>

This is the link to download SQLite DB Browser. In Easify, we are using SQLite DB Browser as our database. We are storing our data in it and performing CRUD (Create, Read, Update, Delete) operations upon the API requests from the React JS application. The user can download the installer based on his/ her personal device and install it properly to use it in our application.



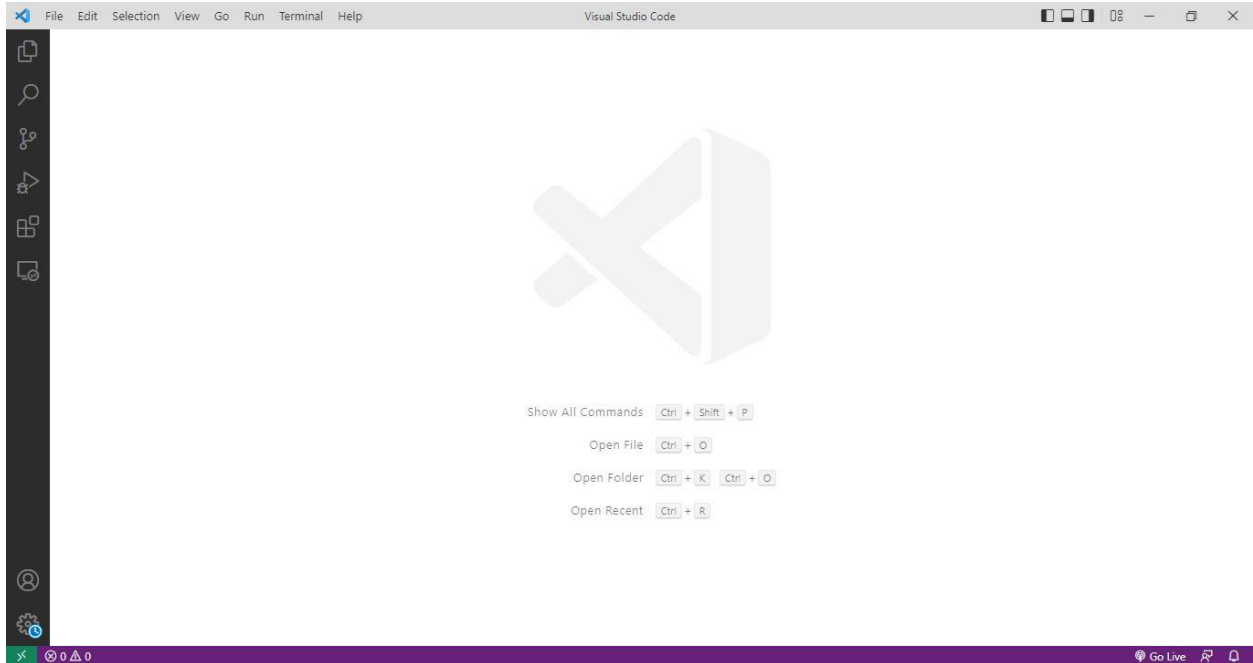
After the successful installation of the SQLite DB Browser, the user can see this screen of SQLite. At the top left, we can see the “Open Database” button. The user can open the SQLite database by clicking on that button and browser through the database. Our Laravel database path is Stonecrusher-main\Application Code\Larave\Easify\database. The user can open our SQLite database and can be able to edit Easify’s database.

Installation of Editor



Link: <https://code.visualstudio.com/download>

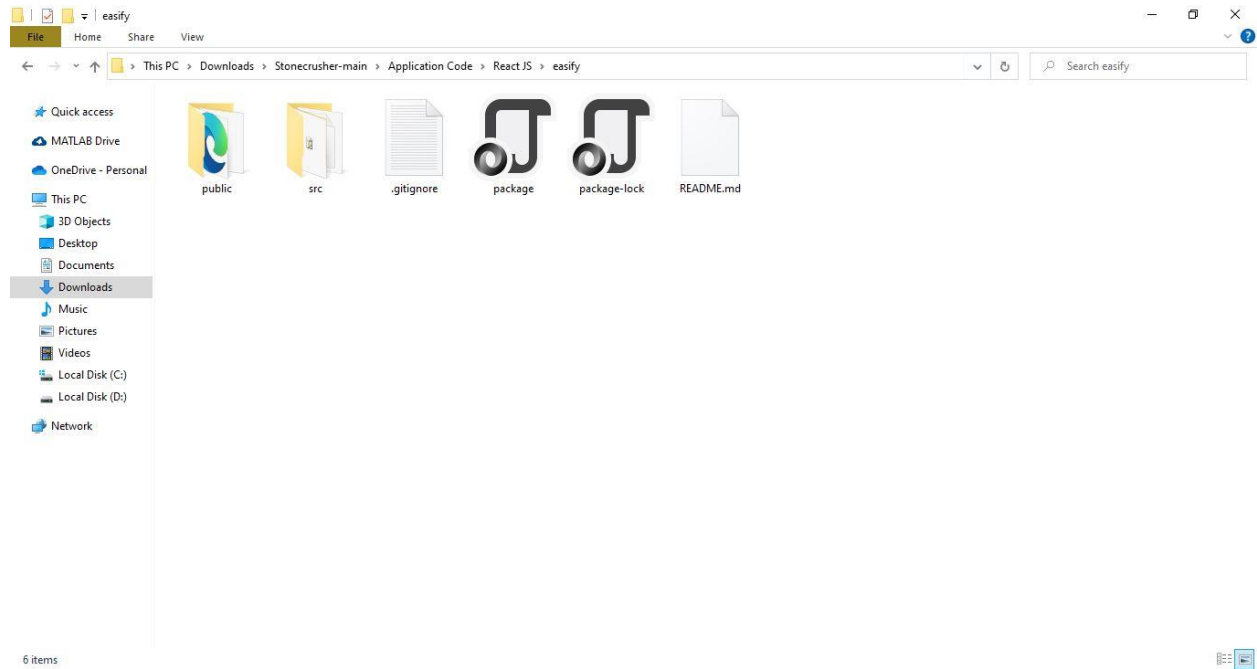
This is the link to download and install Visual Studio Code Editor. VS Code is providing different types of installers based on the user's device. The user can download and install VS Code Editor using this link.



After the successful installation, the user can see the below screen of the Visual Studio Code. The user can open both applications (React JS and Laravel) in VS Code by following these steps:

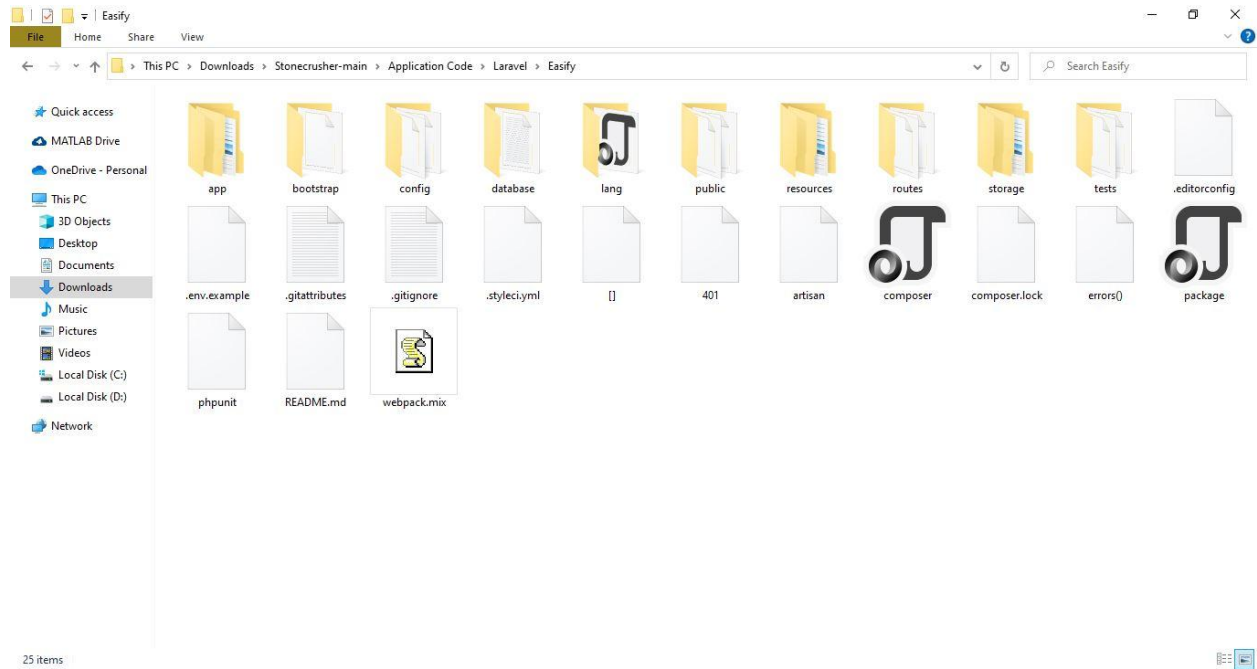
- Click on File at the top-right
- Select Open Folder
- Browse to this directory: Stonecrusher-main\Application Code\React JS\easify
- Click on Open Folder or Select Folder
- Click on File at the top-right and select New Window
- Again click on File at the top-right and select Open Folder (in New Window)
- Browse to this directory: Stonecrusher-main\Application Code\Laravel\Easify
- Click on Open Folder or Select Folder

Start React JS server



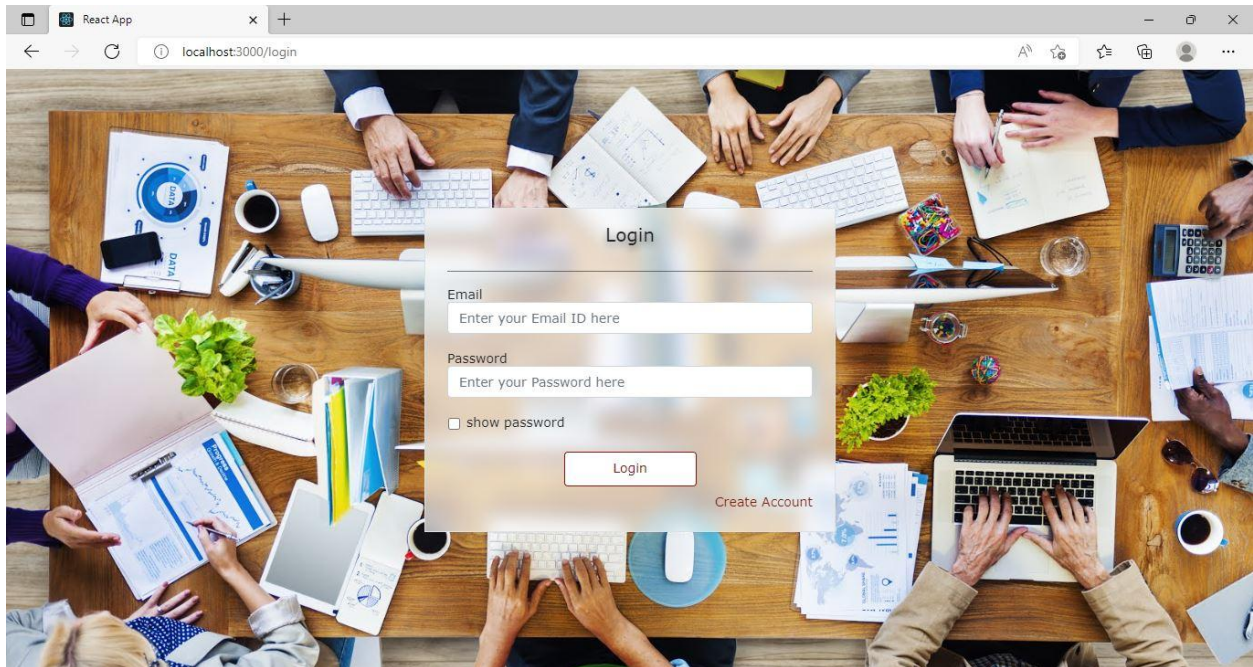
After the successful installation of all the requirements for Easify, the user has to go to this directory `Stonecrusher-main\Application Code\React JS\easify` and run this command, “`npm start`”, to start the React JS application.

Start Laravel Server



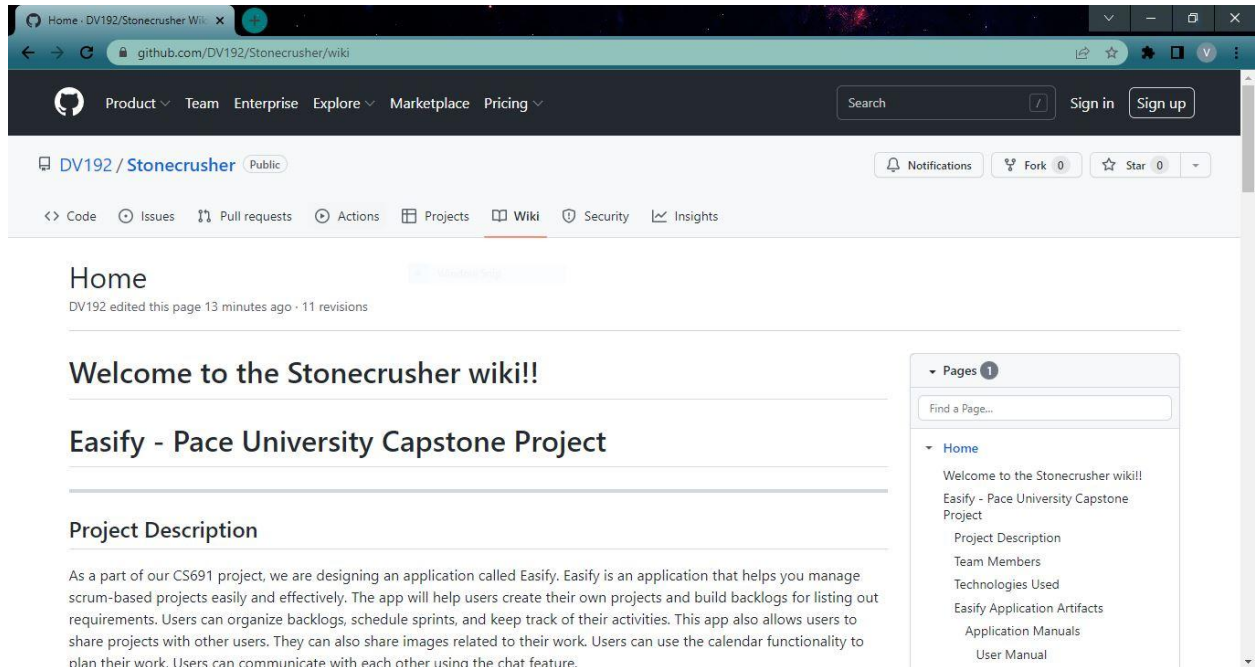
After the successful installation of all the requirements for Easify, the user has to go to this directory `Stonecrusher-main\Application Code\Laravel\Easify` and run this command, “`php artisan serve`”, to start the Laravel application.

Running Application



After running the `npm start` and `php artisan serve` command to run the React JS and the Laravel application respectively, our Easify application will open on <http://localhost:3000/> with the Login Page.

GitHub Wiki



Link: <https://github.com/DV192/Stonecrusher/wiki>

This is the link to our GitHub Wiki Page. The user can understand more about the Easify Application here. Here, we have provided the User Manual to better understand each functionality and each page of the application. Also, we have provided a Demo Video of Easify to understand the flow of the application.