

Instructions on how to install Project on Laravel frameworks

1. Install Xampp Control Panel V3.3.0 with PHP version 7.4.29. Example below is my version of Xampp and PHP

Xampp Version	PHP Version
installdir=C:\xampp base_stack_name=XAMPP base_stack_key= base_stack_version=7.4.29-1 base_stack_platform=windows-x64	PHP 7.4.29 (cli) (built: Apr 12 2022 20:21:18) (ZTS Visual C++ 2017 x64) Copyright (c) The PHP Group Zend Engine v3.4.0, Copyright (c) Zend Technologies

2. Install Composer: Composer version 2.3.10 2022-07-13 15:48:23.
3. Open Command prompt if you are using windows for me I am using window operating system.
4. CD Xampp htdocs folder, example of my path: C:\xampp\htdocs
5. Install Laravel using composer type this code in your CMD:
composer create-project laravel/Laravel Assignment
(Assignment- this is the name to my project)
6. After the project has been created, start laravel local development sever using the laravel's Artisan CLI serve command.
Example: Open command prompt
cd Assignment folder in Xampp htdocs folder.
Then type: **php artisan serve**
7. Once you have started the artisan development server, application will be accessible in your web browser at <http://localhost:8000>

Instruction to create database:

1. After you installed Xampp
 - a. Go to your browser use your localhost IP address to php admin.
Example of my localhost phpMyAdmin: <http://localhost:8081/phpmyadmin/index.php>
 - b. Create New database. Mine I have named csd_project
 - c. Inside the **laravel** database create table called 2022_application_development_and_support_exam_data and run sql dump located in file **2022_application_development_and_support_exam_data.sql** in git Repo.

Answers to Question Four

1. Create an API that exposes the above projects as JSON. The API endpoints can work as explained below:
 - i. Navigating to a URL like **api/projects/all** will return all projects as JSON
Answer: I have created api using Laravel and I can expose data using URL below:
<http://127.0.0.1:8000/api/projects/all>
 - ii. Navigating to a URL like **api/projects/country/Kenya** will return all projects from country Kenya as JSON

Answer: Use URL below to expose data:

<http://127.0.0.1:8000/api/projects/Country/Kenya>

- iii. Navigating to a URL like *api/projects/status/completed* will return all projects with status completed as JSON

Answer: Use URL below to expose data:

<http://127.0.0.1:8000/api/projects/Status/completed>