

# 1. Foreword

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This project was created mainly for the frontend demonstration, the back-end side is here to provide API to work with front-end's axios setup. As new projects will require new backend technology, therefore I will keep the backend side as simple as possible.

## 2. Software requirements and installation

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- Assume that your project is in [C:\Projects\react-laravel-sample-project](#)
- You can choose either **Docker** OR **XAMPP stack** below

### 2.1 Use Docker

- Download and install docker from [here](#)
- Open [cmd](#) and execute these commands to start Laravel server in a docker container

```
cd C:\Projects\react-laravel-sample-project  
docker-compose up
```

- It's gonna take a while, when it's done, the server will be ready at <http://localhost:3000>

### 2.2 Use XAMPP stack

- Downloadxampp 8.1.4 from [here](#)
- Installxampp into [C:\xampp](#)
- Open [Explorer](#), right click [This PC](#) -> [Properties](#) -> [Advanced system settings](#) -> [Environment Variables...](#) -> [Path](#) -> [New](#) -> enter [C:\xampp\php](#) value to add [php](#) into your path
- Open [cmd](#) and confirm it with [php -v](#), it should show something like this

```
PHP 8.1.4 (cli) (built: Apr 28 2021 00:30:18) ( ZTS Visual C++ 2019 x64 )  
Copyright (c) The PHP Group  
Zend Engine v4.0.5, Copyright (c) Zend Technologies
```

- Download composer installer from [here](#)

#### 2.2.1 Start Mysql server

- Open Xampp Control Panel and start mysql server
- Open [.env](#) and change database settings to following values:

```
DB_CONNECTION=mysql  
DB_HOST=localhost  
DB_PORT=3306
```

```
DB_DATABASE=laravel  
DB_USERNAME=root  
DB_PASSWORD=
```

## 2.2.2 Use XAMPP and composer to serve PHP code

- Open **cmd** and execute these commands to start Laravel server

```
cd C:\Projects\react-laravel-sample-project\src  
composer install  
php artisan serve --port 3000
```

- Open browser, enter the address **http://localhost:3000**