

# Laravel

# Introdução

Fatec Praia Grande

Tópicos Especiais em Informática

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# Configuração do Ambiente

Instalação do Xampp ou similar (usaremos Apache e Mysql)

[www.apachefriends.org](http://www.apachefriends.org) › [pt\\_br](#) ▼

## XAMPP Installers and Downloads for Apache Friends

O **XAMPP** é completamente gratuito, de fácil de instalar a distribuição Apache, contendo MySQL, PHP e Perl. O pacote de código aberto do **XAMPP** foi criado ...

### Baixar

XAMPP para Windows 7.2.32,  
7.3.20 & 7.4.8. Versão, Soma de ...

### Download

XAMPP is an easy to install  
Apache distribution containing ...

[Mais resultados de apachefriends.org »](#)

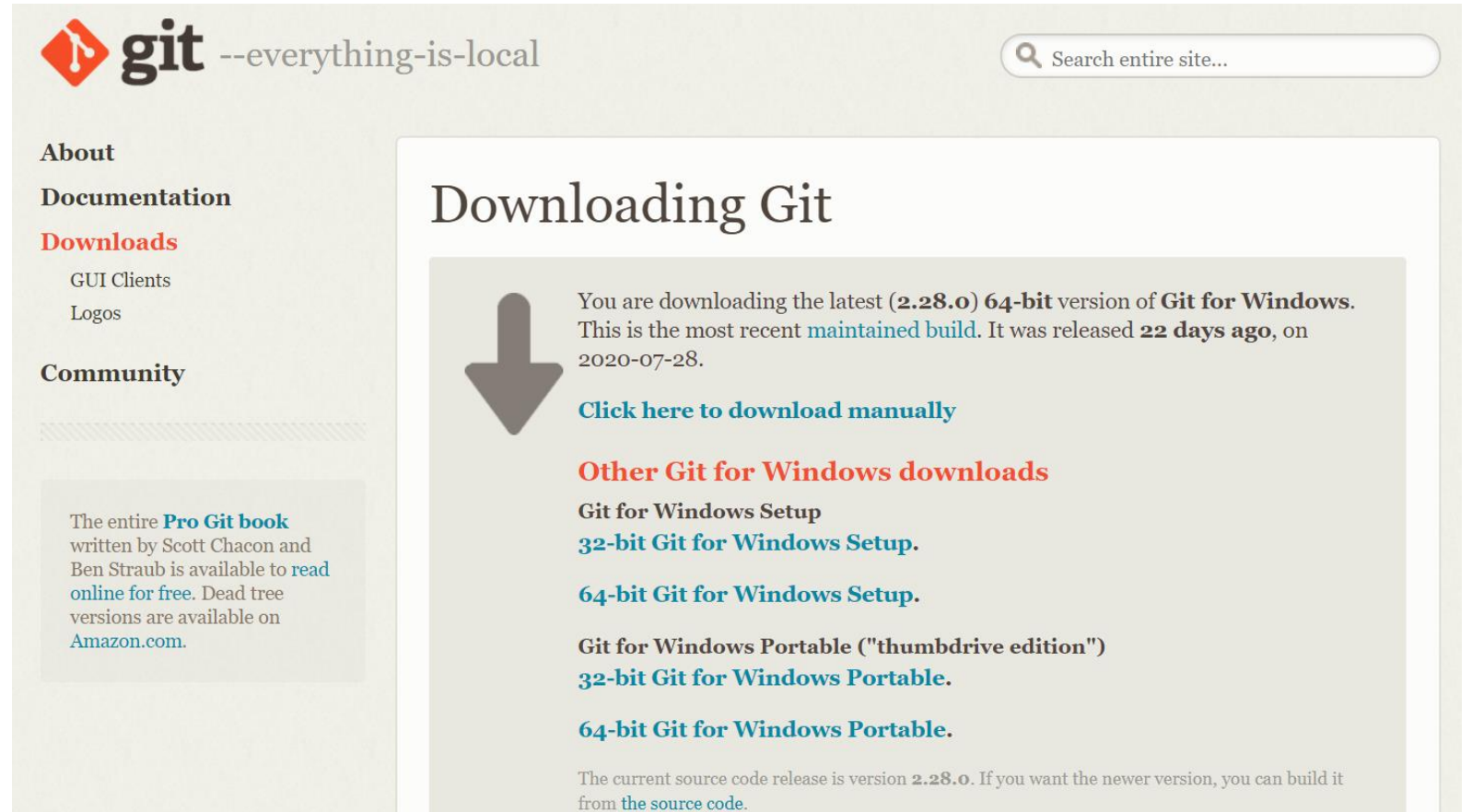
### Read more

Apache Friends was founded by  
Kai Seidler and Kay ...

# Configuração do Ambiente

Instalação do GIT

<http://git-scm.com/download/win>



The screenshot shows the Git website's download page for Windows. The header features the Git logo and the tagline "--everything-is-local", along with a search bar. The left sidebar contains navigation links: "About", "Documentation", "Downloads" (highlighted in red), "GUI Clients", "Logos", and "Community". A text box in the sidebar mentions the "Pro Git book" by Scott Chacon and Ben Straub. The main content area is titled "Downloading Git" and features a large downward arrow. The text states that the latest (2.28.0) 64-bit version of Git for Windows is being downloaded, which is the most recent maintained build, released 22 days ago on 2020-07-28. It provides a link to "Click here to download manually" and lists other download options under the heading "Other Git for Windows downloads": "Git for Windows Setup" (with sub-links for 32-bit and 64-bit), "Git for Windows Portable ('thumbdrive edition')" (with sub-links for 32-bit and 64-bit), and "Git for Windows Portable". At the bottom, it notes that the current source code release is version 2.28.0 and provides a link to "the source code".

git --everything-is-local

Search entire site...

About  
Documentation  
**Downloads**  
GUI Clients  
Logos  
Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on Amazon.com.

## Downloading Git

You are downloading the latest (**2.28.0**) **64-bit** version of **Git for Windows**. This is the most recent **maintained build**. It was released **22 days ago**, on 2020-07-28.

[Click here to download manually](#)

### Other Git for Windows downloads

**Git for Windows Setup**  
**32-bit Git for Windows Setup.**  
**64-bit Git for Windows Setup.**

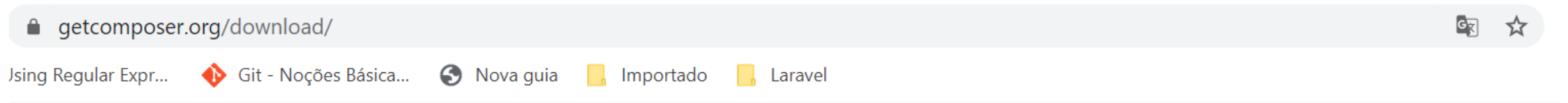
**Git for Windows Portable ("thumbdrive edition")**  
**32-bit Git for Windows Portable.**  
**64-bit Git for Windows Portable.**


The current source code release is version **2.28.0**. If you want the newer version, you can build it from [the source code](#).

Documentação GIT: <https://git-scm.com/book/pt-br/v2>

# Configuração do Ambiente

## Instalação do Composer



 [Home](#) | [Getting Started](#) | [Download](#) | [Documentation](#) | [Browse Packages](#)

## Download Composer Latest: v1.10.10

### Windows Installer

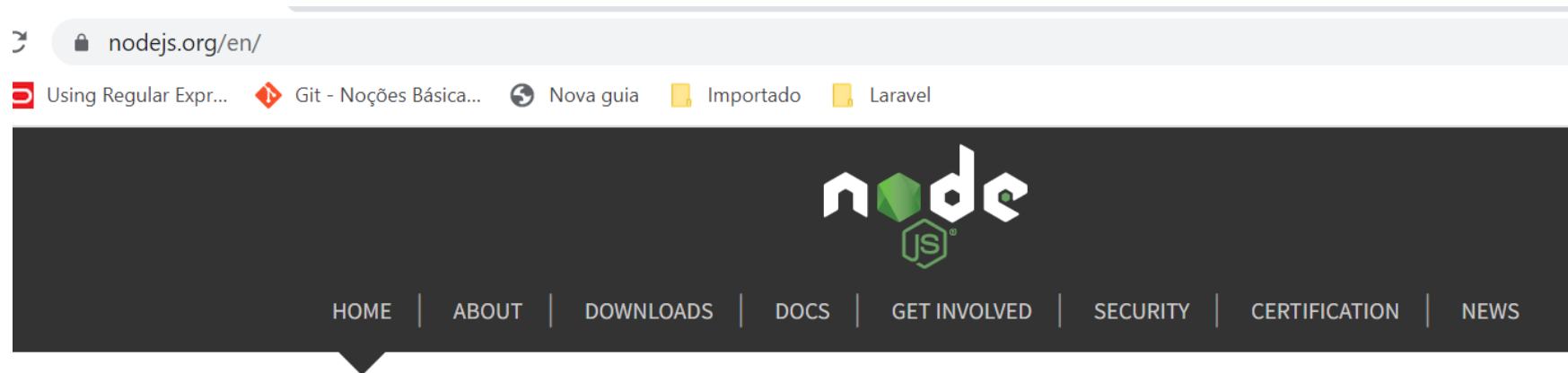
The installer will download composer for you and set up your PATH environment variable so you can simply call `composer` from any directory.

Download and run [Composer-Setup.exe](#) it will install the latest composer version whenever it is executed.

Pressione aqui

# Configuração do Ambiente

## Instalação do NodeJS



Node.js® is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#).

### Download for Windows (x64)

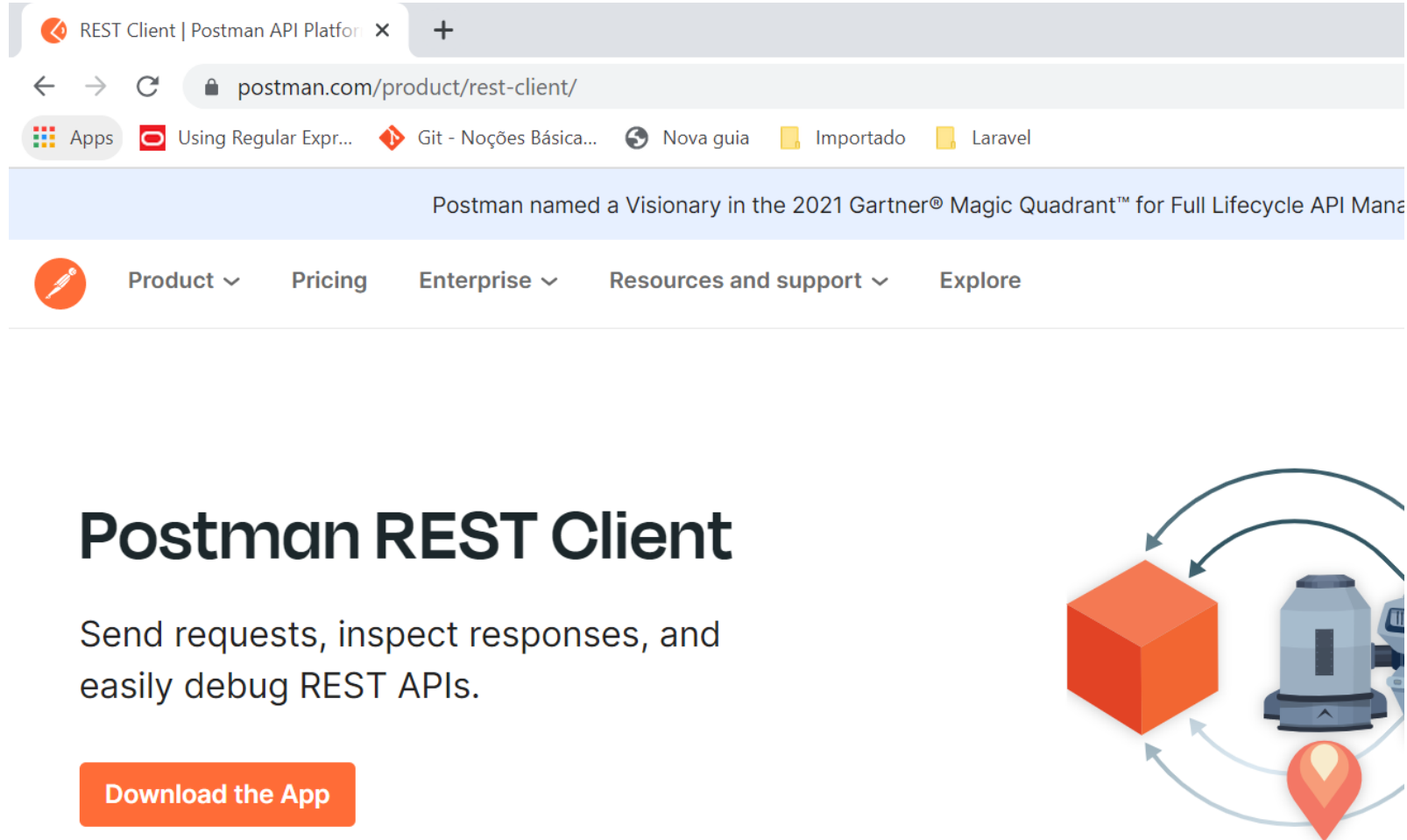


[Other Downloads](#) | [Changelog](#) | [API Docs](#)   [Other Downloads](#) | [Changelog](#) | [API Docs](#)

Or have a look at the [Long Term Support \(LTS\) schedule](#)

# Configuração do Ambiente

## Instalação do Postman



The image is a screenshot of the Postman REST Client website. At the top, there's a browser tab titled 'REST Client | Postman API Platform' and a URL bar showing 'postman.com/product/rest-client/'. Below the browser interface, a blue banner states 'Postman named a Visionary in the 2021 Gartner® Magic Quadrant™ for Full Lifecycle API Management'. A navigation bar includes links for 'Product', 'Pricing', 'Enterprise', 'Resources and support', and 'Explore'. The main heading is 'Postman REST Client', followed by the text 'Send requests, inspect responses, and easily debug REST APIs.' and a prominent orange button labeled 'Download the App'. On the right side, there is a diagram showing an orange cube, a blue server tower, and a red location pin, all interconnected by curved arrows, representing the API lifecycle.

REST Client | Postman API Platform

postman.com/product/rest-client/

Apps Using Regular Expr... Git - Noções Básica... Nova guia Importado Laravel


Postman named a Visionary in the 2021 Gartner® Magic Quadrant™ for Full Lifecycle API Management

Product Pricing Enterprise Resources and support Explore

## Postman REST Client

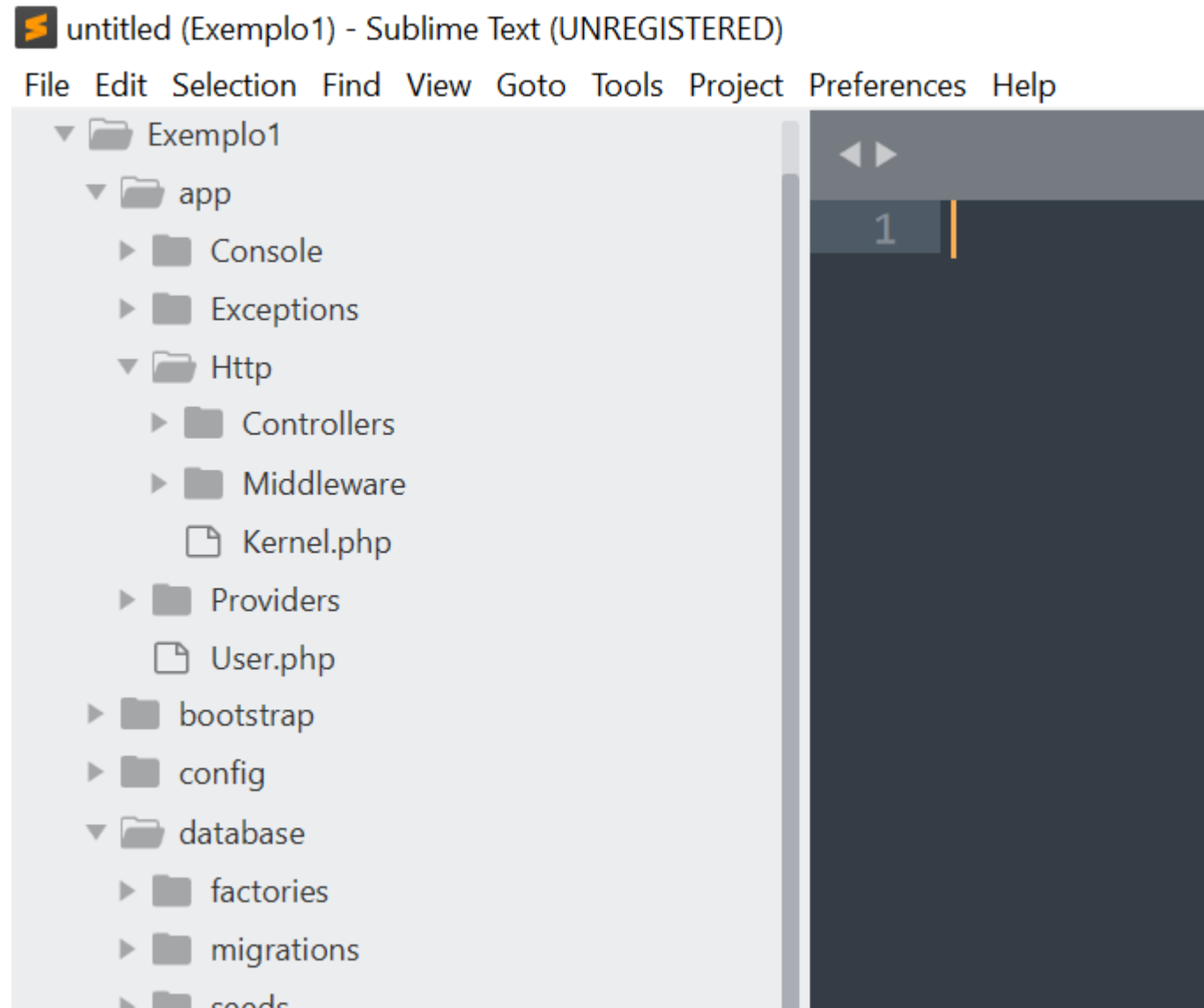
Send requests, inspect responses, and easily debug REST APIs.

[Download the App](#)



# Configuração do Ambiente

Instalação do Sublime,  
Visual Studio Code ou similar



# Criação de Projeto

- Abrir janela de comando
- Posicionar em uma pasta (exemplo: `cd c:\laravelproj`)
- Executar o comando abaixo.

```
composer create-project --prefer-dist laravel/laravel Exemplo1
```



# Estrutura de Projeto Laravel

The image shows a Sublime Text editor window titled "untitled (Exemplo1) - Sublime Text (UNREGISTERED)". The left sidebar displays the project structure for "Exemplo1". The main editor area is dark and contains red text annotations with arrows pointing to specific parts of the project structure.

**Project Structure (Left Sidebar):**

- Exemplo1
  - app
    - Console
    - Exceptions
    - Http
      - Controllers
      - Middleware
      - Kernel.php
    - Providers
    - User.php
  - bootstrap
  - config
  - database
    - factories
    - migrations
    - seeds
    - .gitignore
  - public
  - resources
    - js
    - lang
    - sass
    - views
  - routes
    - api.php
    - channels.php
    - console.php
    - web.php

**Annotations (Right Side):**

- Raiz do projeto**: Points to the "Exemplo1" folder.
- Controllers : Objetos que contém as lógicas para processamento das requisições do usuário**: Points to the "Controllers" folder.
- Models : Objetos armazenados no banco de dados usando ORM Eloquent**: Points to the "Models" folder (not visible in the sidebar).
- Migrations: usado para criar tabelas e outro objetos no banco de dados**: Points to the "migrations" folder.
- Seeds: usado para inserir dados para teste nas tabelas do banco de dados**: Points to the "seeds" folder.
- Views: responsável pela geração do HTML resultante do processamento da requisição encaminhado na resposta ao usuário (pode incluir CSS e Javascript).**: Points to the "views" folder.
- Rotas: associam URL/Method a uma função que realiza algum processamento (normalmente funções dos Controllers).**: Points to the "routes" folder.

**Editor Status (Bottom):**

- Line 1, Column 1
- 51%
- Tab Size: 4
- Plain Text

**Taskbar (Bottom):**

- Windows Start button
- Search bar: "Digite aqui para pesquisar"
- Taskbar icons: File Explorer, Edge, VS Code, Sublime Text, etc.
- System tray: Date (19/08/2020), Time (18:02), and other icons.

# Instalação Bootstrap, React e Autenticação

Entrar na pasta do projeto (prompt comando)

```
cd Exemplo1
```

Instalar interface de usuário (UI) com recursos de autenticação (prompt comando)

```
composer require laravel/ui
```

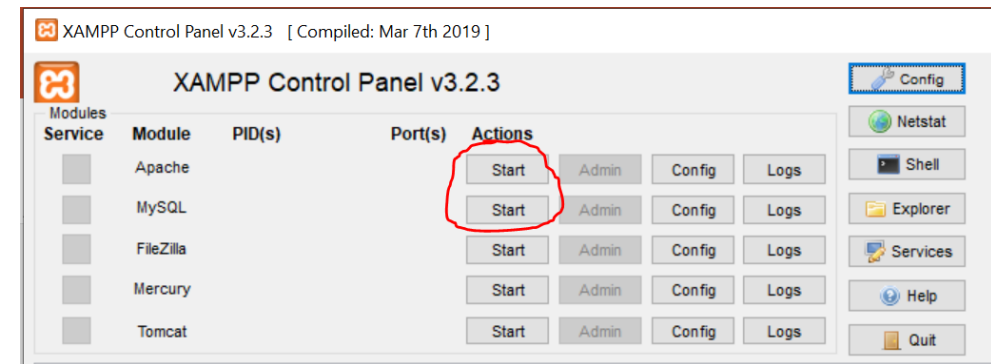
```
php artisan ui react --auth
```

```
npm install
```

```
npm run dev
```

# Criar banco de dados

No painel de controle do Xampp, iniciar Apache e Mysql



Usando um navegador, acessar: localhost

Entrar em PhpMyAdmin



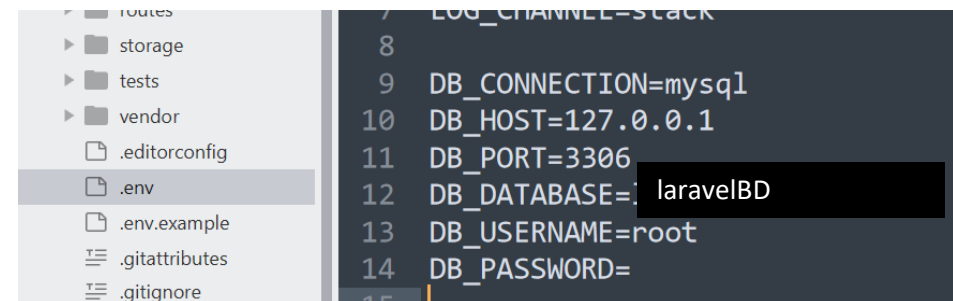
Criar o banco de dados LaravelBD



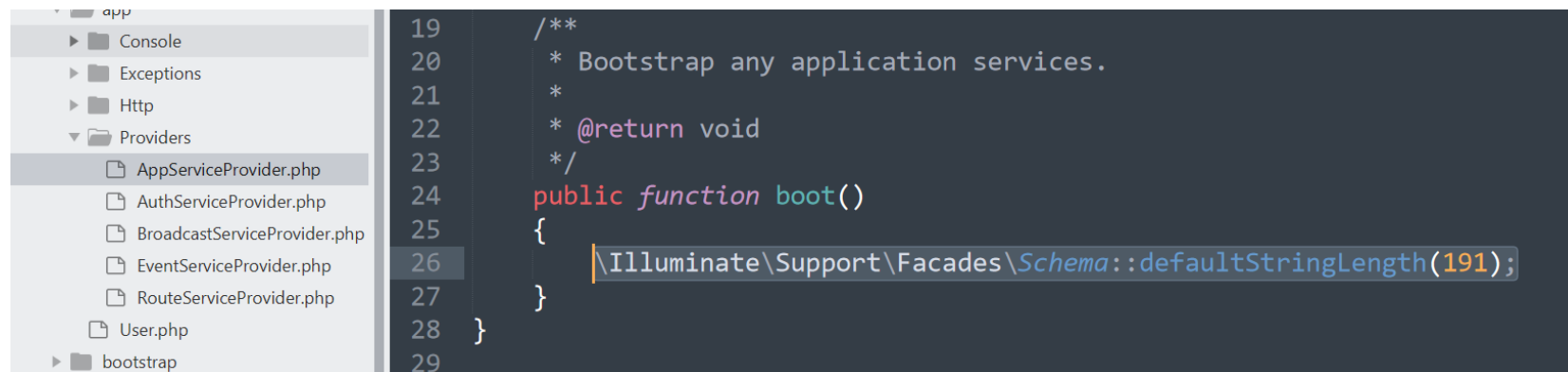
# Passos Finais

Configura .env do projeto

Fazer a seguinte alteração no AppServiceProvider



```
7 LOG_CHANNEL=stack
8
9 DB_CONNECTION=mysql
10 DB_HOST=127.0.0.1
11 DB_PORT=3306
12 DB_DATABASE=laravelBD
13 DB_USERNAME=root
14 DB_PASSWORD=
15
```



```
19 /**
20  * Bootstrap any application services.
21  *
22  * @return void
23  */
24 public function boot()
25 {
26     \Illuminate\Support\Facades\Schema::defaultStringLength(191);
27 }
28
29
```

Executar as migrações (prompt comando)

php artisan migrate

Testar a aplicação (prompt comando)

php artisan serve

**Acessar a aplicação por meio de:**  
**Localhost:8000**