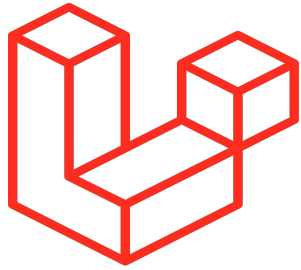


Content

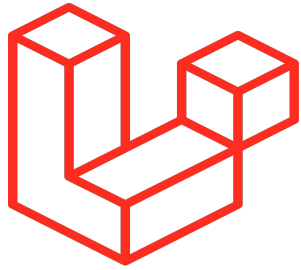
- **Laravel \geq 5.5 Eloquent Api Resource**
- **Laravel Sanctum**
- **Laravel Socialite**



Eloquent Api Resource

- What Is **API**:-

<https://www.youtube.com/watch?v=s7wmiS2mSXY>



Eloquent Api Resource

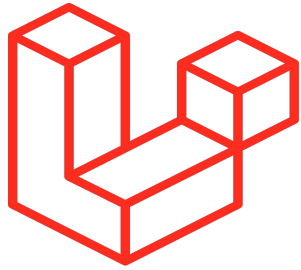
- What Is **Rest (Representational State Transfer)** :-

It's an **architectural style** for providing standards between computer systems on the web

In **Rest** we are talking about **resources** (nouns) like (**user resource** , **post resource** ,...)

<https://www.codecademy.com/articles/what-is-rest>

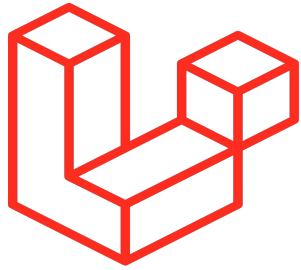
<https://restfulapi.net/rest-architectural-constraints/>



Eloquent Api Resource

- This feature introduced in **Laravel 5.5**
- It's a **transformation layer** that sits between **Eloquent Model** & **Json Response**

<https://laravel.com/docs/master/eloquent-resources#introduction>

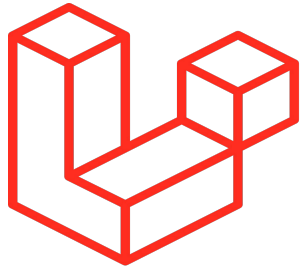


Laravel Sanctum

- Laravel Sanctum provides a featherweight authentication system for SPAs (single page applications), mobile applications, and simple, token based APIs
- Mobile API **doesn't maintain session state** between requests

<https://laravel.com/docs/master/sanctum>

[https://laracasts.com/series/whats-new-in-laravel-7/episode
s/6](https://laracasts.com/series/whats-new-in-laravel-7/episode-s/6)

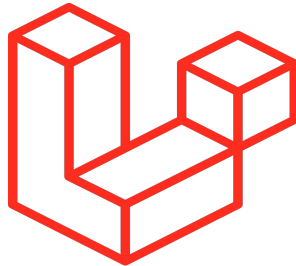


Laravel Socialite

- What Is OAuth (Open Authorization) :-

open protocol to allow secure authorization in a simple and standard method from web, mobile and desktop applications

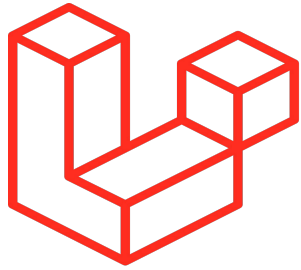
<https://oauth.net/>



Laravel Socialite

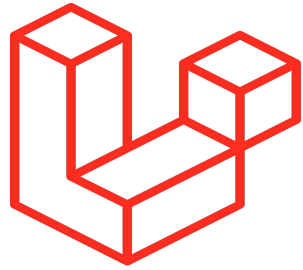
- Laravel **Socialite** is a package that provides **authentication** to **OAuth providers** like (Facebook , Twitter , ...)

<https://laravel.com/docs/master/socialite#introduction>



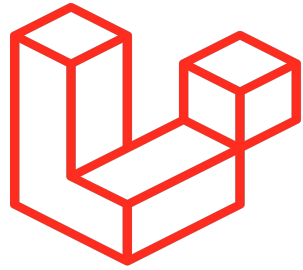
Lab 4 (part 1)

- Install Laravel Sanctum
- Make endpoints (`api/posts GET` , `api/posts/{id} GET` , `api/posts POST`) to get all posts and to get one post and to store a single post
- Add Authentication middleware to the endpoints
- In the `api/posts & api/posts/{id} GET` you must use Eloquent Api Resource with pagination , in the response each post must include the post creator info using UserResource
- Apply Eager Loading when getting all posts to include the user relation to enhance performance



Lab 4 (part 2)

- Install Laravel **Socialite**
- Allow login with **github & google +** and **store user info** for both providers , make sure when **logout and login** again to **not duplicate** the records
<https://laravel.com/docs/master/socialite#authentication-and-storage>
- Bonus :- when i **login with email & password** ,make two buttons that allow me to **connect** my github or google + account , and after i connect **one of the accounts or both** , the buttons are changed to be **show github info** to **the connected social account info**



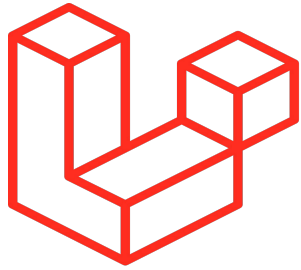
Thank You

- These slides are based on
Laravel Up & Running Book
<http://shop.oreilly.com/product/0636920044116.do>

Taylor Otwel Talk At Laracon Online March-2017

Matt Stuffer Talk At Laracon Online March-2017
(Mastering Illuminate Container)

Laravel Documentation
<https://laravel.com/docs/master>



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