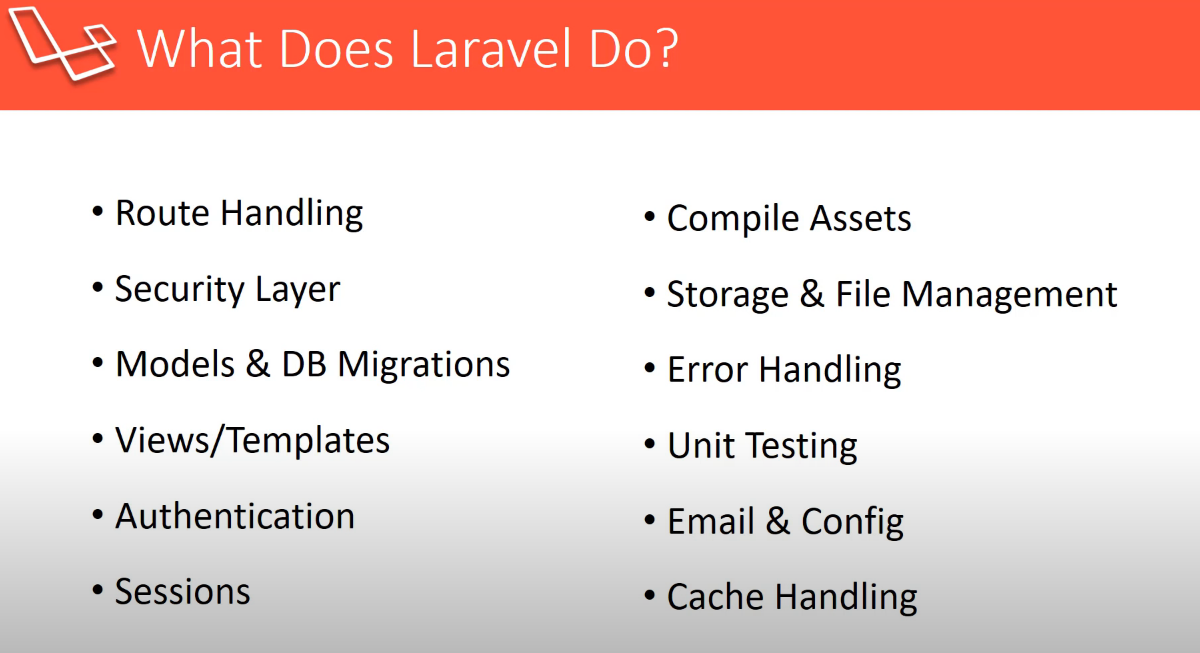
# Laravel Notes

[Traversy Media](https://www.youtube.com/watch?v=EU7PRmCpx-0)

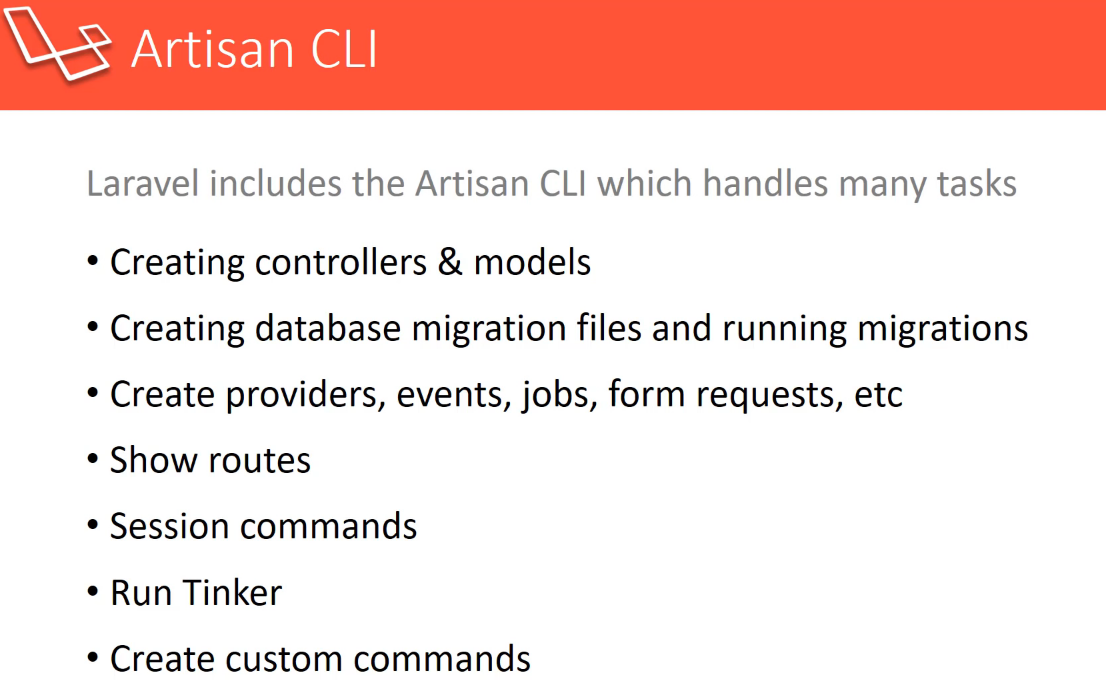
08/26/2021

Part 1

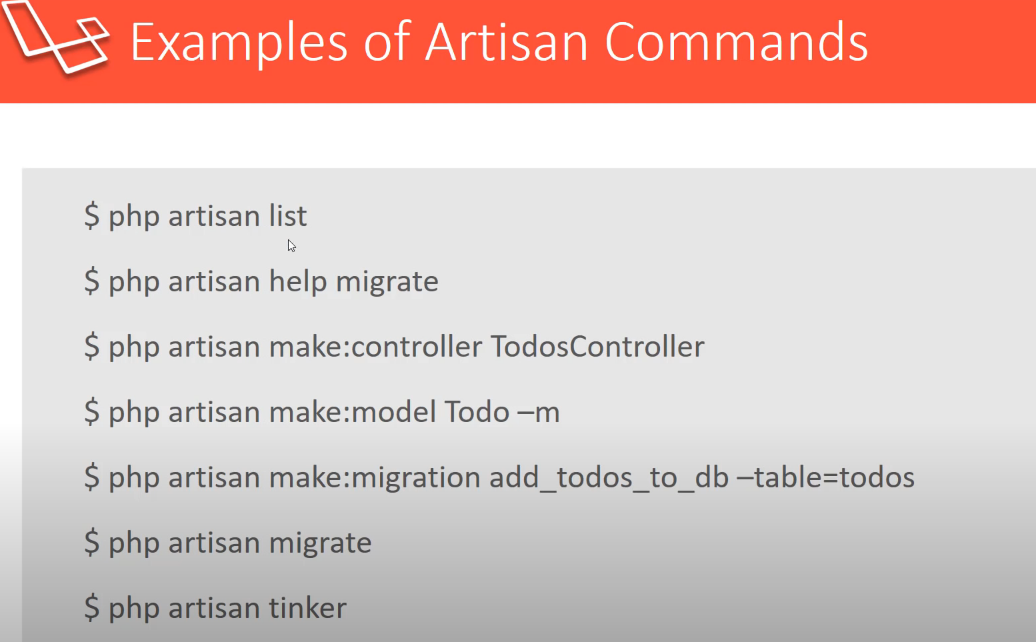
* Open-source PHP Framework
* Considered MVC
* Most popular and respected PHP framework (WordPress is also PHP)
* Composer is a PHP dependency manager (like NuGet or NPM)



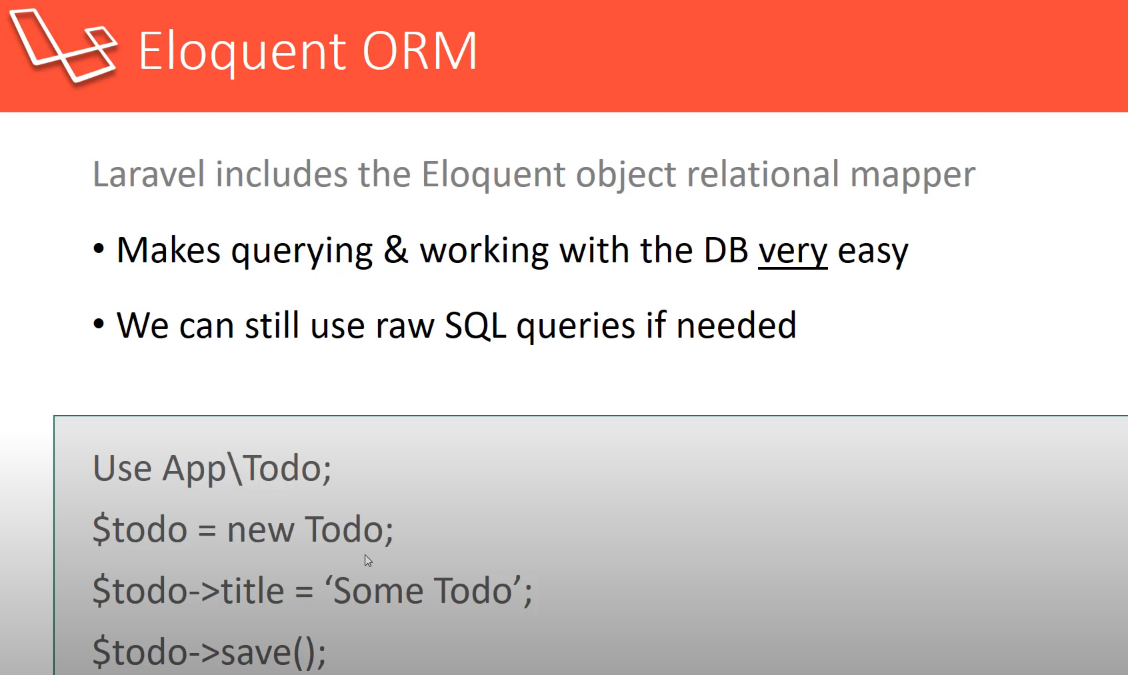
* Artisan is the CLI
* Database Migrations
* Blade template engine for views
* Authentication is setup with Artisan and automatically creates a User table
* Sessions: Laravel Mix to compile assets like SASS
* File management for uploads
* SMTP for verification emails to be sent

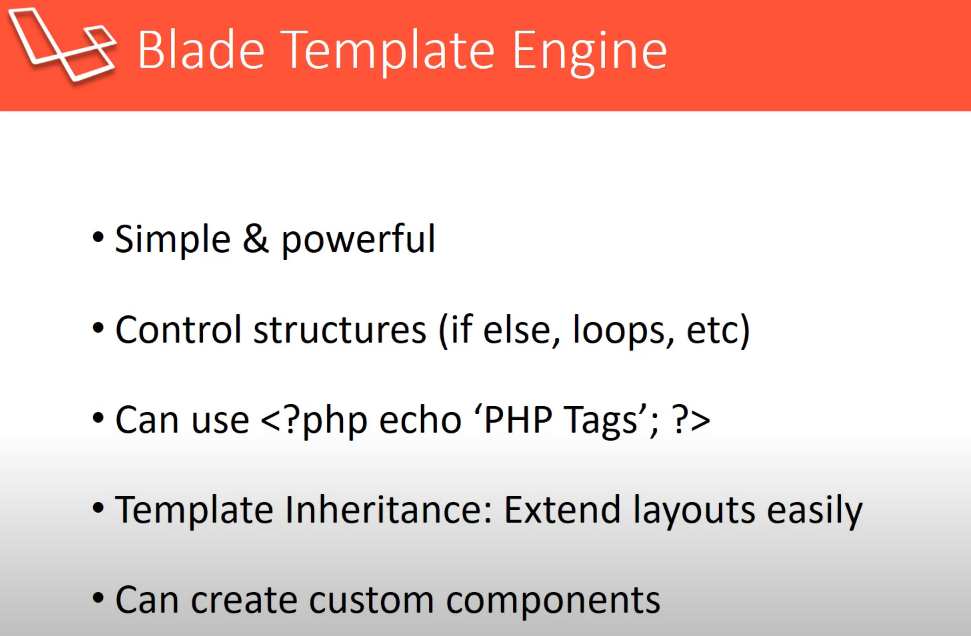


* Tinker is a CLI for querying the database (great for quick updates or inserts)



* Models should be singular, and controllers should be plural
* Eloquent ORM (Object Relational Mapper)





Part 2

* Create projects with GitBash within the htdocs directory
* composer create-project laravel/laravel lsapp
* create a virtual host that points to the public folder of the lsapp.

C:\xampp\apache\conf\extra\httpd-vhosts.conf

* Edit the hosts file to add your domain

Must use Notepad as administrator. (cannot use Notepad++)

C:\Windows\System32\drivers\etc\ ---hosts file

127.0.0.1 localhost

127.0.0.1 lsapp.me

* Restart Apache
* Go to <http://lsapp.me/> in browser

Part 3

* Alt-Shift-A to comment a block of code
* Create a controller with Artisan in GitBash

php artisan make:controller PagesController

* Controllers should be in PascalCase and plural
* Controllers created with artisan are made in App>Http>Controllers
* Illuminate is equivalent to Laravel Core
* [PagesController extends Controller:](https://www.php.net/manual/en/language.oop5.inheritance.php)

For example, when extending a class, the subclass inherits all of the public and protected methods, properties and constants from the parent class. Unless a class overrides those methods, they will retain their original functionality.

* A function inside a class is called a method

Part 4

* JS and CSS folders missing from Public folder

The folder structure is different in Laravel 7.x; So, to include CSS you first need to install node js and run

1) composer require laravel/ui

2) npm install

3) npm run dev

This will create CSS assets in public folder.

* Thank you so much. Please note that if you find 'app.css' as blank page. Do this

— composer require laravel/ui

— php artisan ui bootstrap

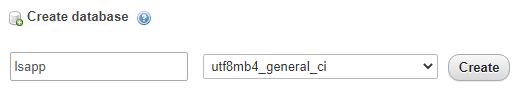
— npm install

— npm run dev

* Unable to find solution for @charset in app.css, I just deleted it. It reappears each time the css is compiled
* Edit colors in \_variables.scss. Add custom to \_custom.scss (remember to add it to app.scss)
* Need to do npm run dev to compile and it will update the public folder
* Use npm run watch so you don’t have to recompile after each change

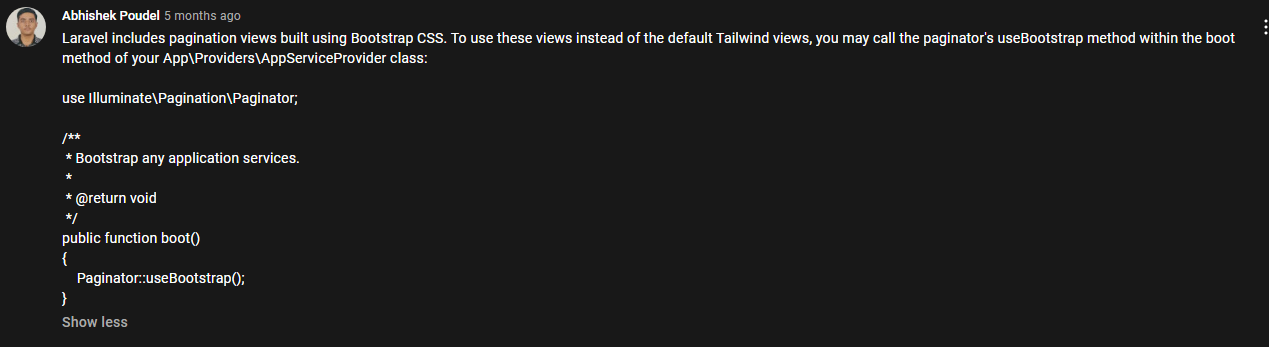
Part 5

* Go to <http://localhost/phpmyadmin/server_databases.php?lang=en> and create a database



* <https://stackoverflow.com/questions/1231105/in-mysql-which-collation-should-i-choose>
* Don’t need to create tables in phpMyAdmin because we use migrations
* php artisan make:controller PostsController –resource has dash dash
* php artisan make:model Post -m Models should be singular. -m is to add a migration
* <https://kinsta.com/knowledgebase/xampp-mysql-password/>
* C:\xampp\phpMyAdmin/config.inc.php is where you put the password for root user
* DB\_USERNAME=lsapp\_admin
* DB\_PASSWORD=lsapp\_admin
* use Illuminate\Support\Facades\Schema;
* Schema::defaultStringLength(191);
* App/Providers/AppServiceProvider.php
* php artisan migrate
* verify that the database was populated
* php artisan tinker
* 8mins into video we go on a tangent of the tinker cli
* Php artisan route:list shows the available routes in our domain

*Part 6*

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Part 7

* <https://laravelcollective.com/docs/5.4/html> using CSRF (Cross-Site Request Forgery) protection on forms using a third party code base
* composer require laravelcollective/html VERSION 6.2
* Manually download .zip and add to public folder
* composer require ckeditor/ckeditor
* Add two scripts and ensure the textarea name is included in the 2nd script
* <https://stackoverflow.com/questions/57964344/when-i-am-installing-ckeditor-through-composer-i-got-error-how-can-i-solve-it>

Part 8

* Smooth no problems

Part 9

* Make a copy of app.blade.php for your records.
* php artisan ui:auth
* Allow it to replace app.blade.php then merge the two versions.
* Update name of HomeController to something more appropriate for a back end
* A bunch of updates so follow the errors and rewatch the video
* Add use Illuminate\Support\Facades\Auth; to web.php
* php artisan make:migration add\_user\_id\_to\_posts
* add the code to add the user id column
* php artisan migrate
* [jacob@benge.com](mailto:jacob@benge.com) 12345678