Installation:

Laravel Installation: <https://www.youtube.com/watch?v=NdL-sbjIaOI>

Installing Dependencies:

If not working then “composer update”

**InertiaJS** –

* Connects frontend and backend
* Builds controller which accepts request and returns inertia response. **Inertia Response** is any data (props) that come from the page.
* No need to create routes
* Redirections, form submission, shared data
* 2 packages server side and client side
  + Inertia Laravel and tightenco Ziggy for vuejs
* HandleInertiaRequests::share() – Allows sharing global data

**Laravel** –

* **Routes**
  + Route is a way of creating a request URL of your application. These URL do not have to map to specific files on a website.
  + Web.php and api.php
  + Eg, /welcome. Output html welcome page
  + Works with get, post, put, delete etc
* **Namespaces**
  + Namespaces can be defined as a class of elements in which each element has a unique name to that associated class. It may be shared with elements in other classes.
* **Php artisan** – CLI for Laravel
* **Controllers** - Controllers can group related request handling logic into a single class. For example, a UserController class might handle all incoming requests related to users, including showing, creating, updating, and deleting users.
* **Closure** – Anonymous functions
* **Illuminate** - Illuminate is the namespace laravel choose to put their code in. The word Illuminate means to light-up something. By using laravel you are illuminating PHP developement experience in their terms, hence the name.
* **Findorfail** - findOrFail($id) takes an id and returns a single model. If no matching model exist, it throws an error
* **Blade Views** - Blade is the simple, yet powerful templating engine that is included with Laravel. Unlike some PHP templating engines, Blade does not restrict you from using plain PHP code in your templates.

**VueJS** –

* Vue-loader - vue-loader is a loader for webpack that allows you to author Vue components in a format called Single-File Components (SFCs)
* Has <template>, <script>, <style> in SFCs

@inertia – used in place for root div at runtime

@routes

Create Routes

CreateApp() with vue3 in app.js. The createApp() function takes an object, which contains the render() function, the render function as follows

**CSRF** - Cross site request forgery. A CSRF token is a secure random token (e.g., synchronizer token or challenge token) that is used to prevent CSRF attacks. The token needs to be unique per user session and should be of large random value to make it difficult to guess.

**Composition API**

Add code for Register in vue and Laravel controller folders.

Add Appheader.vue and Errors.vue file in partial components

Add code for Register in vue and Laravel controller folders.

* Tip: In some situations the inertia-link is not recognized and show this error “inertia-link” can not be found. Resolve this by adding this line in app.js

app.component(‘inertia-link’, InertiaLink);

Add code for Create.vue,

Add code for Index.vue

Add code for Edit.vue

Update PostsController.php. Add uploads dir in public dir.

Add code for Post.php in app/Model/

Npm run dev

References:

<https://inertiajs.com/responses>

https://www.cloudways.com/blog/routing-in-laravel/