



Laravel – ett fullskaligt MVC-ramverk

Fortsättning...

Dagens agenda

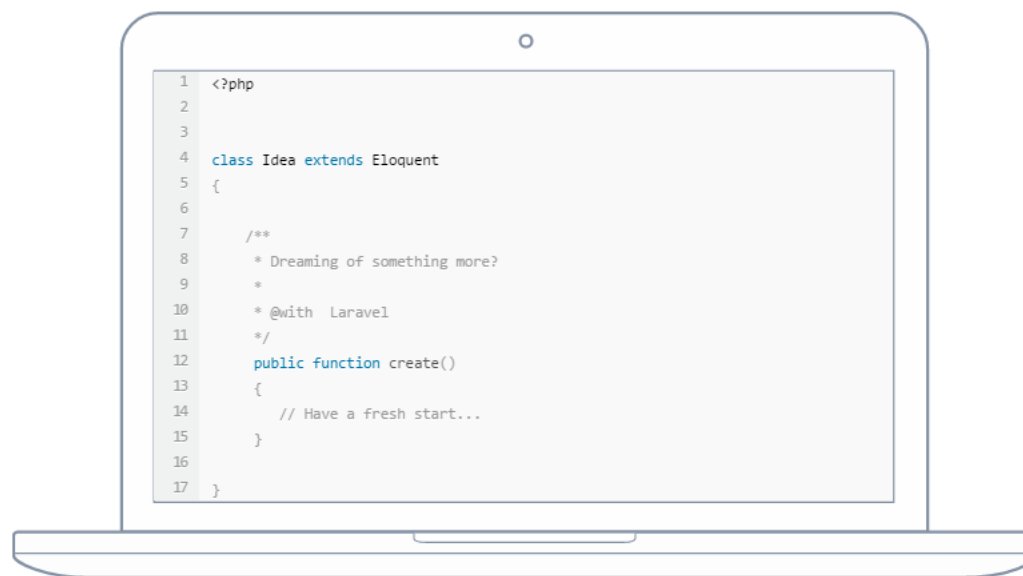
- Repetition Laravel
- Resurser i Laravel
 - JavaScript
 - CSS
 - Bilder
 - Etc.
- Middleware i Laravel
- Användarhantering i Laravel
 - Användardatabas
 - Inloggning
- Summering av denna del i kursen

Repetition

Laravel med tillhörande koncept

Love beautiful code? We do too.

The PHP Framework For Web Artisans



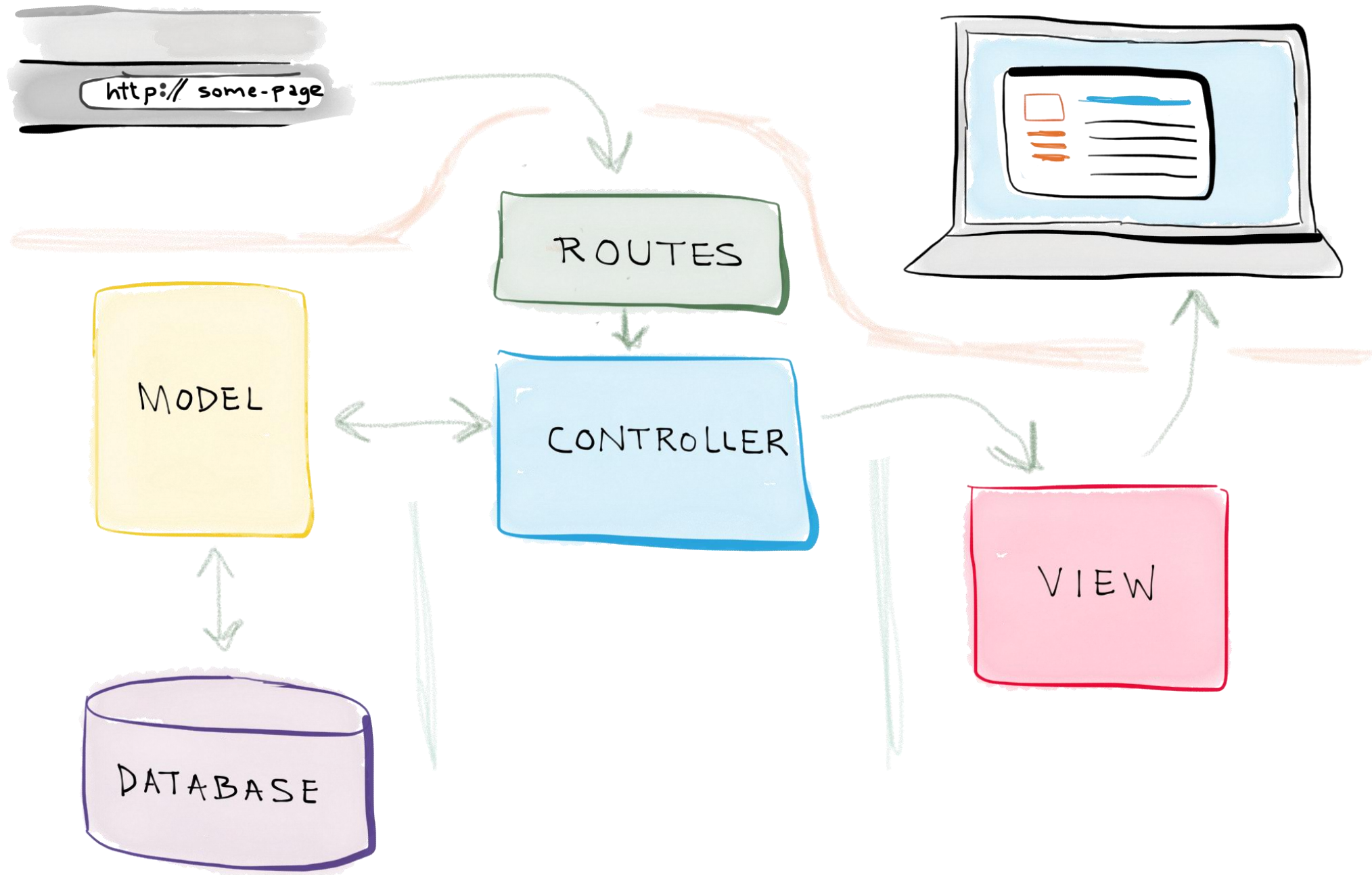
SEE WHAT'S NEW!

Laravel Scout 

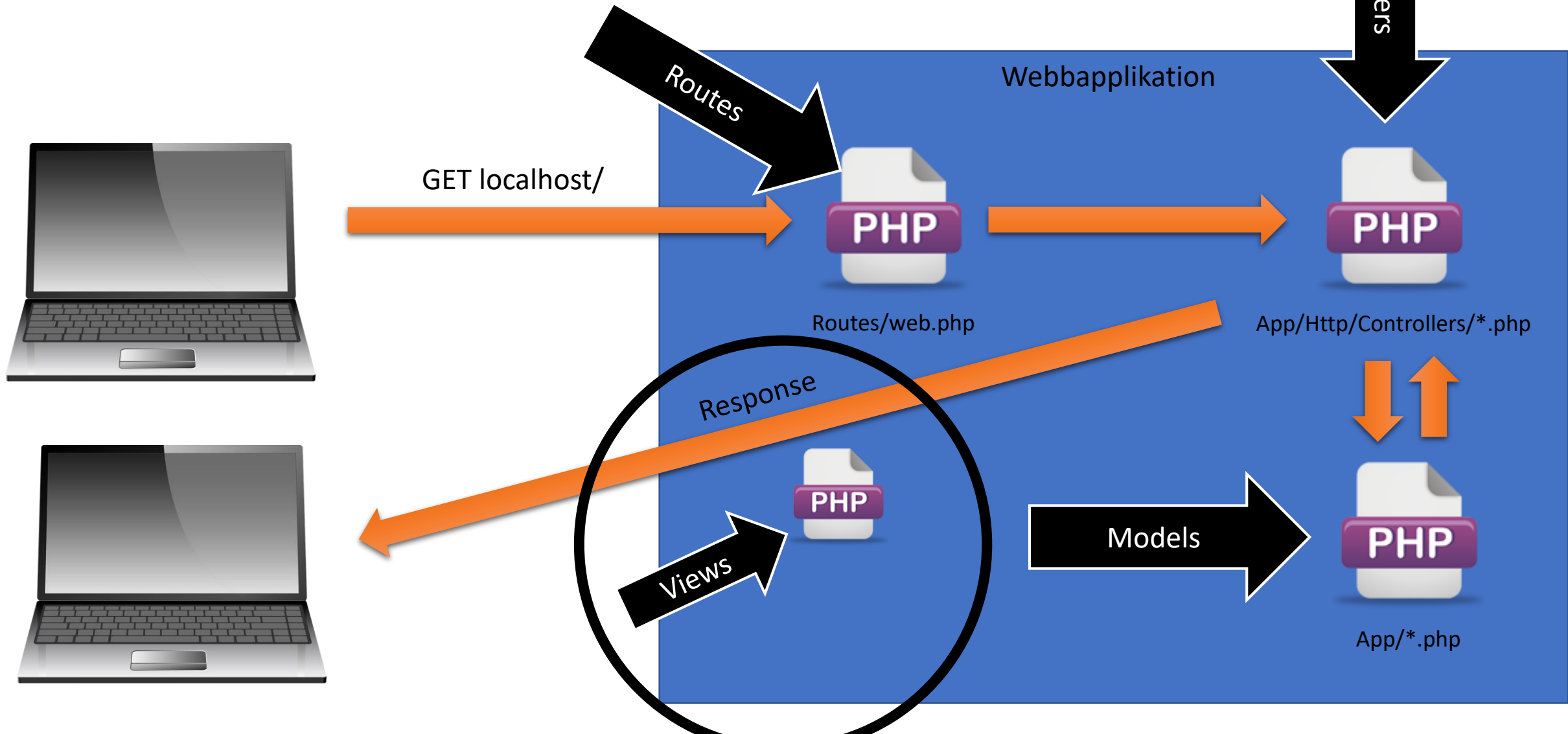
Laravel Echo 

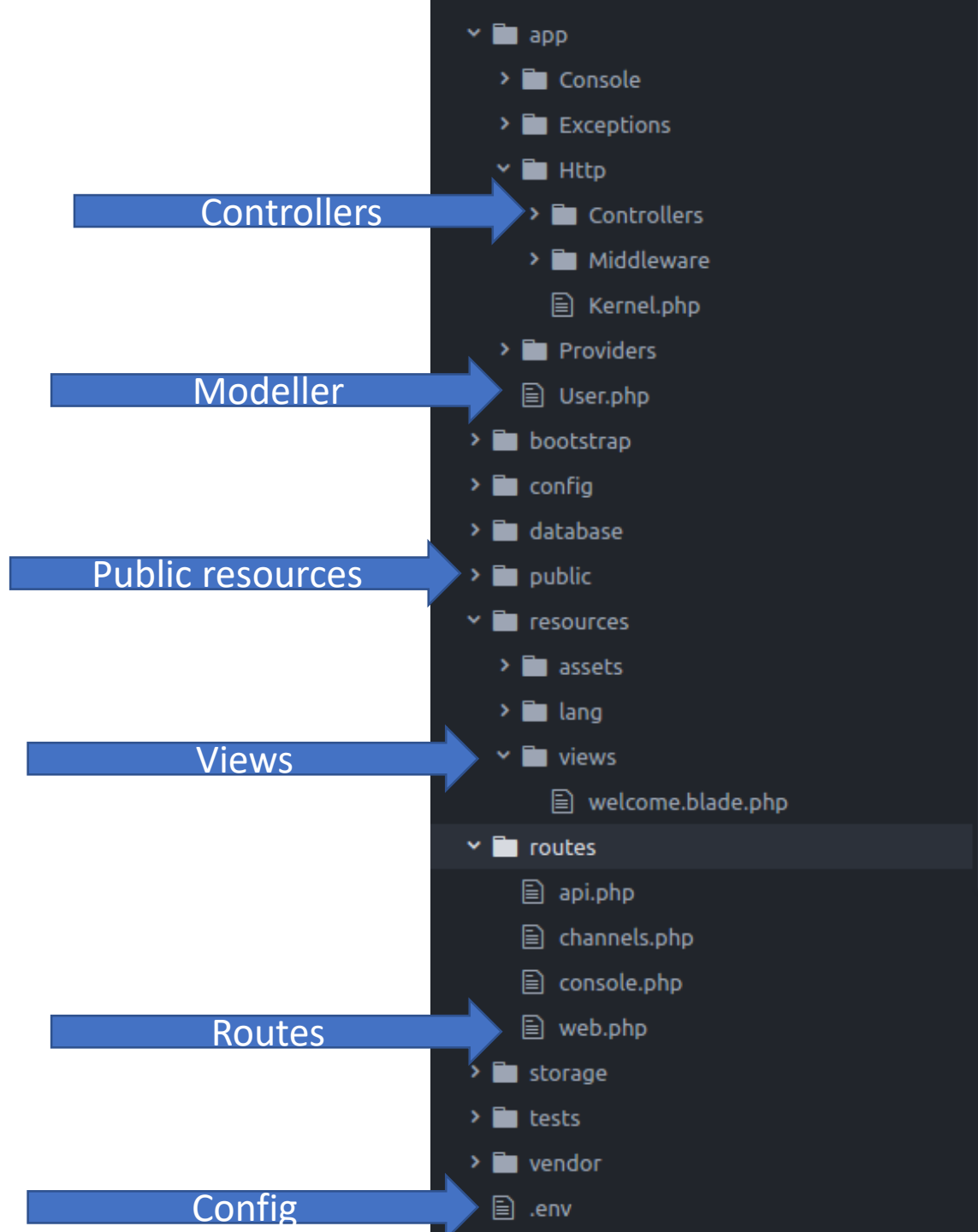
Laravel Passport 

<https://laravel.com/>



Hur fungerar Laravel?

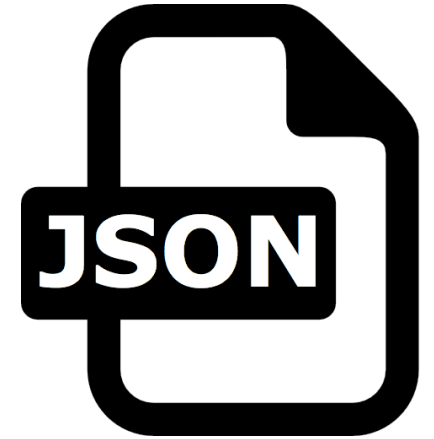




Lumen =>

Routes
Controllers
Models
Database

=> JSON-data



Laravel =>

Routes
Controllers
Models
Database

=> Webbbsida





Slack - it's teamwork, but simpler, more pleasant and more productive.

ads via Carbon

Prologue ›

Getting Started ›

Architecture Concepts ›

The Basics ›

Frontend ›

Security ›

Digging Deeper ›

Database ›

Eloquent ORM ›

Testing ›

Official Packages ›

The Basics ▼

[Routing](#)

[Middleware](#)

[CSRF Protection](#)

[Controllers](#)

[Requests](#)

[Responses](#)

[Views](#)

[Session](#)

[Validation](#)

[Errors & Logging](#)

Frontend ▼

[Blade Templates](#)

[Localization](#)

[Frontend Scaffolding](#)

[Compiling Assets](#)

Database ▼

[Getting Started](#)

[Query Builder](#)

[Pagination](#)

[Migrations](#)

[Seeding](#)

[Redis](#)

Eloquent ORM ▼

[Getting Started](#)

[Relationships](#)

[Collections](#)

[Mutators](#)

[Serialization](#)

php artisan

Ett hjälpmedel för att snabba upp utvecklingen av webbapplikationer



and the awesome



Resurser till vår webbplats

CSS / JavaScript / Bilder / etc.

Branch: master

da287a-laravel-movie-example / resources / views / movies / master.blade.php

Find file

Copy path

Tibbelit Todays example!

bf4952d 7 days ago

1 contributor

49 lines (43 sloc) | 1.99 KB

Raw

Blame

History



```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Movies</title>
6     <!-- Latest compiled and minified CSS -->
7     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity="sha384-BVYiiSIFeK1dGmJ
8
9     <!-- Optional theme -->
10    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css" integrity="sha384-rHy0NliRs
11
12    <!-- Latest compiled and minified JavaScript -->
13    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWvXZxUP
14  </head>
15  <body>
16    <div class="container">
17      <nav class="navbar navbar-default">
18        <div class="container-fluid">
19          <!-- Brand and toggle get grouped for better mobile display -->
20          <div class="navbar-header">
21            <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
22              <span class="sr-only">Toggle navigation</span>
23              <span class="icon-bar"></span>
24              <span class="icon-bar"></span>
25              <span class="icon-bar"></span>
26            </button>
27            <a class="navbar-brand" href="#">My awesome movie webb app!</a>
28          </div>
29
30          <!-- Collect the nav links, forms, and other content for toggling -->
31          <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
32            <ul class="nav navbar-nav">
33              <li><a href="/movies">Start</a></li>
34              <li><a href="/movies/create">Lägg till film</a></li>
35            </ul>
36          </div><!-- /.navbar-collapse -->
37        </div><!-- /.container-fluid -->
38      </nav>
```

CSS

CSS

JavaScript

Hur s

<https://github.com/Tibbelit/example/blob/master/resources/views/movies/master.blade.php>

en?



Vi länkar in CSS & JavaScript från Bootstraps webbplats

För- och nackdelar med detta?

Hjälpfunktioner i Laravel

Paths

[app_path](#)

[base_path](#)

[config_path](#)

[database_path](#)

[mix](#)

[public_path](#)

[resource_path](#)

[storage_path](#)

Strings

[camel_case](#)

[class_basename](#)

[e](#)

[ends_with](#)

[kebab_case](#)

[snake_case](#)

[str_limit](#)

[starts_with](#)

[str_contains](#)

[str_finish](#)

[str_is](#)

[str_plural](#)

[str_random](#)

[str_singular](#)

[str_slug](#)

[studly_case](#)

[title_case](#)

[trans](#)

[trans_choice](#)

URLs

[action](#)

[asset](#)

[secure_asset](#)

[route](#)

[secure_url](#)

[url](#)

Miscellaneous

[abort](#)

[abort_if](#)

[abort_unless](#)

[auth](#)

[back](#)

[bcrypt](#)

[cache](#)

[collect](#)

[config](#)

[csrf_field](#)

[csrf_token](#)

[dd](#)

[dispatch](#)

[env](#)

[event](#)

[factory](#)

[info](#)

[logger](#)

[method_field](#)

[old](#)

[redirect](#)

[request](#)

[response](#)

[retry](#)

[session](#)

[value](#)

[view](#)

Använd "asset()" -funktionen

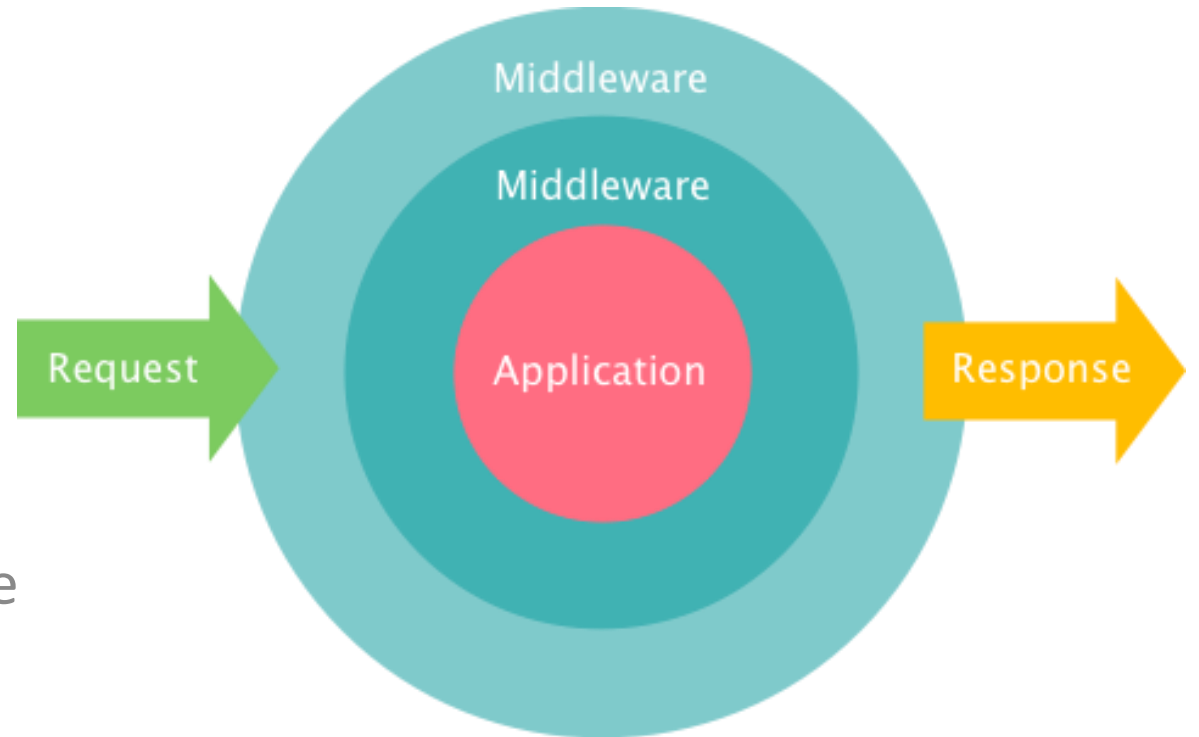
```
asset("images/start.png");
```



```
http://localhost:8000/images/start.png
```

Middleware

<https://laravel.com/docs/5.6/middleware>



Middleware

- Vi har vi sett det innan

CSRF Protection

- # Introduction
- # Excluding URIs
- # X-CSRF-Token
- # X-XSRF-Token

Introduction

Laravel makes it easy to protect your application from [cross-site request forgery](#) (CSRF) attacks. Cross-site request forgeries are a type of malicious exploit whereby unauthorized commands are performed on behalf of an authenticated user.

Laravel automatically generates a CSRF "token" for each active user session managed by the application. This token is used to verify that the authenticated user is the one actually making the requests to the application.

Anytime you define a HTML form in your application, you should include a hidden CSRF token field in the form so that the CSRF protection middleware can validate the request. You may use the `csrf_field` helper to generate the token field:

```
<form method="POST" action="/profile">
    {{ csrf_field() }}
    ...
</form>
```

The `VerifyCsrfToken` [middleware](#), which is included in the `web` middleware group, will automatically verify that the token in the request input matches the token stored in the session.

Exempelanvändning av middleware - CSRF

Branch: master ▾ [da288a-laravel-movie-example](#) / [resources](#) / [views](#) / [movies](#) / [create.blade.php](#) Find file Copy path

Tibbelit Code from lecture fdb7c42 3 days ago

1 contributor

25 lines (20 sloc) | 706 Bytes Raw Blame History

```
1  @extends("movies.layout")
2
3  @section("content")
4
5  <h1>Lägg till en film</h1>
6
7  <form action="{{ route('movies.store') }}" method="POST">
8      @csrf
9      <div class="form-group">
10         <label for="title">Title</label>
11         <input type="text" class="form-control" id="title" name="title">
12     </div>
13     <div class="form-group">
14         <label for="year">År</label>
15         <input type="text" class="form-control" id="year" name="year">
16     </div>
17     <div class="form-group">
18         <label for="poster">Länk till bild</label>
19         <input type="text" class="form-control" id="poster" name="poster">
20     </div>
21     <button type="submit" class="btn btn-success">Spara film</button>
22 </form>
23
24 @endsection
```

Registrera middleware

Branch: master

da288a-laravel-movie-example / app / Http / Kernel.php

Find file

Copy path

Tibbelit Code from lecture

fdb7c42 3 days ago

1 contributor

64 lines (57 sloc) | 2.14 KB

Raw

Blame

History



```
1  <?php
2
3  namespace App\Http;
4
5  use Illuminate\Foundation\Http\Kernel as HttpKernel;
6
7  class Kernel extends HttpKernel
8  {
9      /**
10       * The application's global HTTP middleware stack.
11       *
12       * These middleware are run during every request to your application.
13       *
14       * @var array
15       */
16     protected $middleware = [
17         \Illuminate\Foundation\Http\Middleware\CheckForMaintenanceMode::class,
18         \Illuminate\Foundation\Http\Middleware\ValidatePostSize::class,
19         \App\Http\Middleware\TrimStrings::class,
20         \Illuminate\Foundation\Http\Middleware\ConvertEmptyStringsToNull::class,
21         \App\Http\Middleware\TrustProxies::class,
22     ];
23
24     /**
25      * The application's route middleware groups.
26      *
27      * @var array
28      */
29     protected $middlewareGroups = [
30         'web' => [
31             \App\Http\Middleware\EncryptCookies::class,
32             \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,
33             \Illuminate\Session\Middleware\StartSession::class,
34             // \Illuminate\Session\Middleware\AuthenticateSession::class,
35             \Illuminate\View\Middleware\ShareErrorsFromSession::class,
36             \App\Http\Middleware\VerifyCsrfToken::class,
37             \Illuminate\Routing\Middleware\SubstituteBindings::class,
```

Placera middleware

Branch: master ▾


da288a-laravel-movie-example / app / Http / Middleware /

Create new file

Upload files


Find file

History

 Tibbelit Code from lecture


Latest commit fdb7c42 3 days ago

..

 EncryptCookies.php


Code from lecture

3 days ago

 RedirectIfAuthenticated.php


Code from lecture

3 days ago

 TrimStrings.php


Code from lecture

3 days ago

 TrustProxies.php

Code from lecture

3 days ago


 VerifyCsrfToken.php

Code from lecture




3 days ago

Exempelmiddleware

Branch: master ▾ [da288a-laravel-movie-example](#) / [app](#) / [Http](#) / [Middleware](#) / [VerifyCsrfToken.php](#) [Find file](#) [Copy path](#)

 Tibbelit Code from lecture fdb7c42 3 days ago

1 contributor

18 lines (14 sloc) | 307 Bytes [Raw](#) [Blame](#) [History](#)   

```
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Illuminate\Foundation\Http\Middleware\VerifyCsrfToken as Middleware;
6
7  class VerifyCsrfToken extends Middleware
8  {
9      /**
10       * The URIs that should be excluded from CSRF verification.
11       *
12       * @var array
13       */
14     protected $except = [
15         //
16     ];
17 }
```

php artisan make:middleware ExampleMiddleware

Skapa en middleware

▲ OPEN EDITORS

 web.php routes LogUrl.php app\Http\Mid...

▲ AUTH-APP

▲ app

▸ Console

▸ Exceptions


▲ Http

▸ Controllers

▲ Middleware

 EncryptCookies.php LogUrl.php RedirectIfAuthenticate... TrimStrings.php TrustProxies.php VerifyCsrfToken.php Kernel.php

▸ Providers

 User.php

▸ bootstrap

```
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Closure;
6  use Illuminate\Support\Facades\Log;
7
8  class LogUrl
9  {
10     /**
11      * Handle an incoming request.
12      *
13      * @param  \Illuminate\Http\Request  $request
14      * @param  \Closure  $next
15      * @return mixed
16      */
17     public function handle($request, Closure $next)
18     {
19         Log::info($request->url());
20         return $next($request);
21     }
22 }
23
```

Efter ett request?

EXPLORER

OPEN EDITORS

web.php routes

LogUrl.php app\Http\Mid...

Kernel.php app\Http

laravel.log storage/logs

AUTH-APP

app

Console

Exceptions

Http

Controllers

Middleware

EncryptCookies.php

LogUrl.php

RedirectIfAuthenticate...

TrimStrings.php

TrustProxies.php

VerifyCsrfToken.php

Kernel.php

Providers

User.php

bootstrap

web.php

LogUrl.php x

Kernel.php

laravel.log

1 <?php

2

3 namespace App\Http\Middleware;

4

5 use Closure;

6 use Illuminate\Support\Facades\Log;

7

8 class LogUrl

9 {

10 /**

11 * Handle an incoming request.

12 *

13 * @param \Illuminate\Http\Request \$request

14 * @param \Closure \$next

15 * @return mixed

16 */

17 public function handle(\$request, Closure \$next)

18 {

19 \$response = \$next(\$request);

20

21 Log::info(\$request->url());

22

23 return \$response;





24 }

25 }





--

Registrera en middleware

EXPLORER

 web.php LogUrl.php Kernel.php x *laravel.log*

OPEN EDITORS

 web.php routes LogUrl.php app\Http\Mid... Kernel.php app\Http *laravel.log* storage/logs

AUTH-APP

app








▸ Console

▸ Exceptions

Http

▸ Controllers

Middleware

 EncryptCookies.php LogUrl.php RedirectIfAuthenticate... TrimStrings.php TrustProxies.php VerifyCsrfToken.php Kernel.php

▸ Providers

```
1  <?php
2
3  namespace App\Http;
4
5  use Illuminate\Foundation\Http\Kernel as HttpKernel;
6
7  class Kernel extends HttpKernel
8  {
9      /**
10       * The application's global HTTP middleware stack.
11       *
12       * These middleware are run during every request to your application.
13       *
14       * @var array
15       */
16     protected $middleware = [
17         \Illuminate\Foundation\Http\Middleware\CheckForMaintenanceMode::class,
18         \Illuminate\Foundation\Http\Middleware\ValidatePostSize::class,
19         \App\Http\Middleware\TrimStrings::class,
20         \Illuminate\Foundation\Http\Middleware\ConvertEmptyStringsToNull::class,
21         \App\Http\Middleware\TrustProxies::class,
22         \App\Http\Middleware\LogUrl::class,
23     ];
```

Middleware som ej gäller alla routes

Middleware groups may be assigned to routes and controller actions using the same syntax as individual middleware. Again, middleware groups make it more convenient to assign many middleware to a route at once:

```
Route::get('/', function () {  
    //  
})->middleware('web');  
  
Route::group(['middleware' => ['web']], function () {  
    //  
});
```

<https://laravel.com/docs/5.6/middleware>

Controller Middleware

Middleware may be assigned to the controller's routes in your route files:

```
Route::get('profile', 'UserController@show')->middleware('auth');
```

However, it is more convenient to specify middleware within your controller's constructor.

Using the `middleware` method from your controller's constructor, you may easily assign middleware to the controller's action. You may even restrict the middleware to only certain methods on the controller class:

```
class UserController extends Controller
{
    /**
     * Instantiate a new controller instance.
     *
     * @return void
     */
    public function __construct()
    {
        $this->middleware('auth');

        $this->middleware('log')->only('index');

        $this->middleware('subscribed')->except('store');
    }
}
```

Demo - middleware

MEMBER LOGIN



Username



LOGIN

Introduction



Want to get started fast? Just run `php artisan make:auth` and `php artisan migrate` in a fresh Laravel application. Then, navigate your browser to `http://your-app.test/register` or any other URL that is assigned to your application. These two commands will take care of scaffolding your entire authentication system!

Laravel makes implementing authentication very simple. In fact, almost everything is configured for you out of the box. The authentication configuration file is located at `config/auth.php`, which contains several well documented options for tweaking the behavior of the authentication services.

At its core, Laravel's authentication facilities are made up of "guards" and "providers". Guards define how users are authenticated for each request. For example, Laravel ships with a `session` guard which maintains state using session storage and cookies.

Providers define how users are retrieved from your persistent storage. Laravel ships with support for retrieving users using Eloquent and the database query builder. However, you are free to define additional providers as needed for your application.

Don't worry if this all sounds confusing now! Many applications will never need to modify the default authentication configuration.

php artisan make:auth

- Skapar routes för inloggning
 - Kontrollera routes genom kommando: *php artisan route:list* i terminalen
- Skapar Controller för *Auth* (mappen *Auth* under *Controllers*)
- Skapar vyer för inloggning
- Vi behöver
 - Skapa en databas
 - Uppdatera vår .env-fil så att den stämmer överens med databasen
 - Migrera databas

Retrieving The Authenticated User

You may access the authenticated user via the `Auth` facade:

```
use Illuminate\Support\Facades\Auth;

// Get the currently authenticated user...
$user = Auth::user();

// Get the currently authenticated user's ID...
$id = Auth::id();
```

<https://laravel.com/docs/5.6/authentication>

Protecting Routes

Route middleware can be used to only allow authenticated users to access a given route.

Laravel ships with an `auth` middleware, which is defined at

`Illuminate\Auth\Middleware\Authenticate`. Since this middleware is already registered in your HTTP kernel, all you need to do is attach the middleware to a route definition:

```
Route::get('profile', function () {  
    // Only authenticated users may enter...  
})->middleware('auth');
```

Of course, if you are using controllers, you may call the `middleware` method from the controller's constructor instead of attaching it in the route definition directly:

```
public function __construct()  
{  
    $this->middleware('auth');  
}
```

Demo!

Sammanfattning av denna del i kursen

Reflektion i kursen

- Beskriv följande delar i kursen:
 - PHP
 - Pakethanterare
 - Versionshantering
 - Lumen
 - Laravel
- Inom MVC och webbramverk beskriv följande delar i kursen:
 - Routes
 - Controllers
 - Models
 - Views
 - ORM
 - Migration & seeds
 - Authentisering
 - Middleware

Kommande delar i kursen

- Testning
- Refaktorisering
- Integration
- Deployment
- Delivery
- => Att publicera ett projekt