

Introdução ao Laravel 5

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Sumário

- ☐ **Apresentação**
- ☐ **Configuração**
- ☐ **Camadas**
 - ☐ **Models (+ Dados), Views (Blade) e Controllers**
- ☐ **Rotas**
- ☐ **Relações**

Instalação

- ☐ **Vagrant + Homestead (Windows / Mac / Linux)**
- ☐ **Valet (Mac)**
- ☐ **Manual (Linux / Mac)**

Apresentação

- ❑ Criado por Taylor Otwell



- ❑ Mantido pela comunidade

🔗 1 Open ✓ 2,386 Closed

🔗 allow **PUSHER_CLUSTER** option from env ✓

#4035 opened 15 hours ago by wuwx

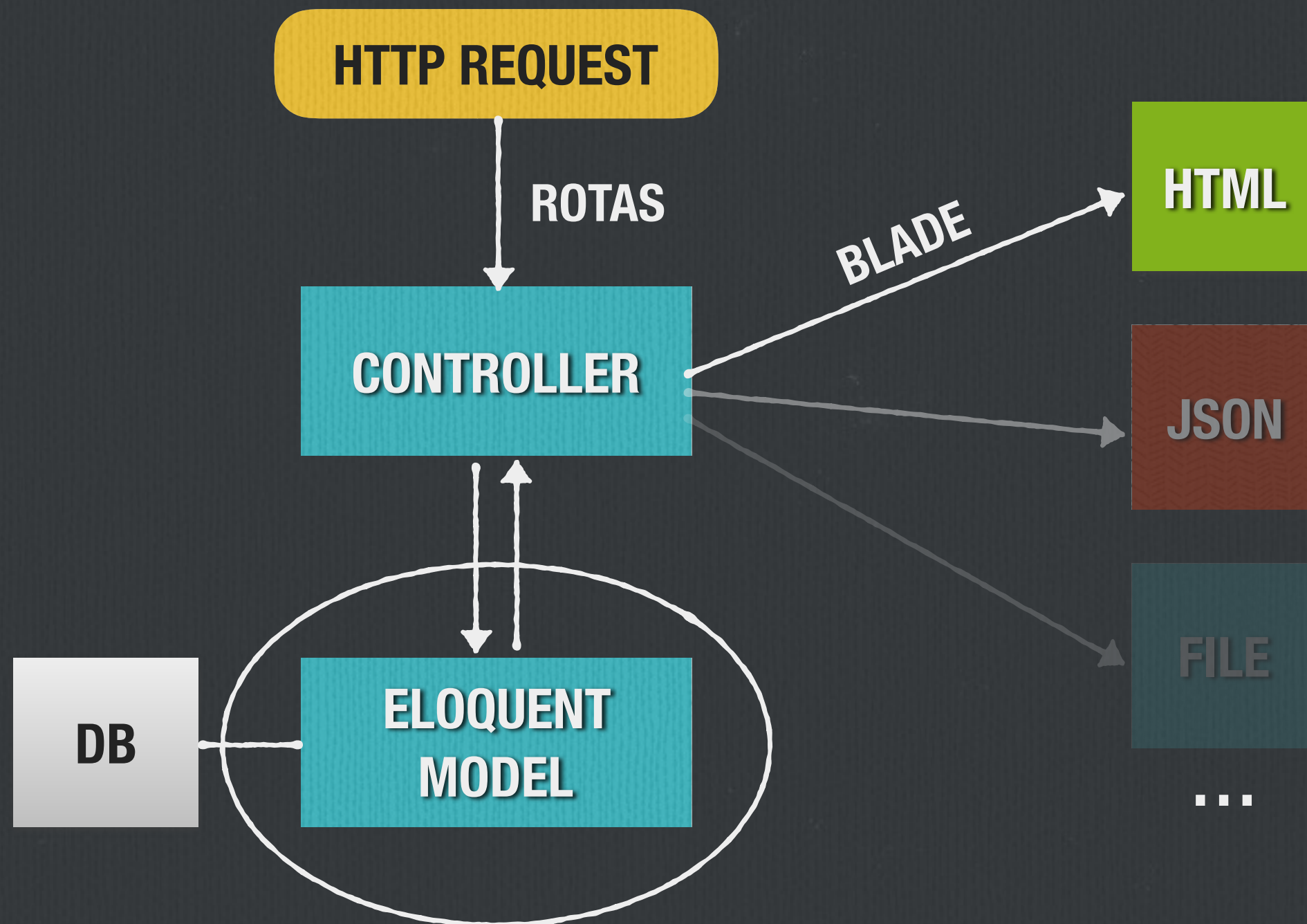
Características

- ☐ **MVC**
- ☐ **ORM poderoso**
- ☐ **Fácil de testar**
- ☐ **Template engine**

Workflow

- Todo comando executado com prefixo:

```
$ php artisan [comando]
```



Modelos

- ☐ Armazenados em `app/`

- ☐ Comando:

```
$ php artisan make:model [Model]
```


Modelos

Exemplo :

\$ php artisan make:model Post

```
namespace App;

use Illuminate\Database\Eloquent\Model;

class Post extends Model
{
    protected $fillable = [
        'content', 'user_id'
    ];
}
```

Modelos: Relacionamentos

□ 1 - n:

User: hasMany('App\Post')

Post:hasOne('App\User')

```
public function user()  
{  
    return $this->belongsTo(User::class);  
}
```

```
public function posts()  
{  
    return $this->hasMany(Post::class);  
}
```


Modelos: Relacionamentos

□ 1 - 1:

User: hasOne('App\Photo')

Photo: belongsTo('App\User')

```
public function photo()  
{  
    return $this->hasOne(Photo::class);  
}
```

```
public function user()  
{  
    return $this->belongsTo(User::class);  
}
```

Modelos: Relacionamentos

□ n - n:

User: belongsToMany('App\Task')

Task: belongsToMany('App\User')

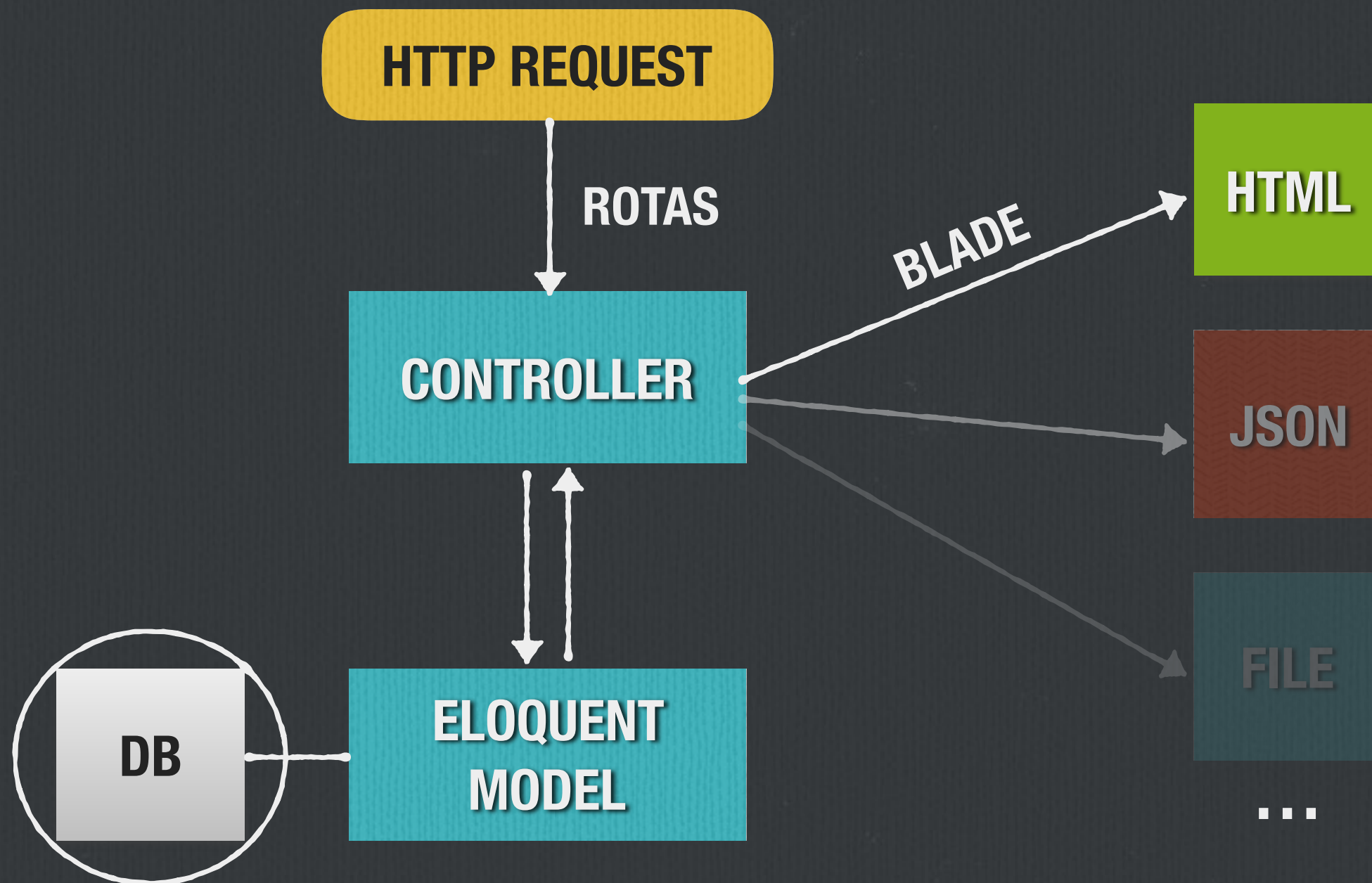
```
public function tasks()  
{  
    return $this->belongsToMany(Task::class);  
}
```

```
public function users()  
{  
    return $this->belongsToMany(User::class);  
}
```


Modelos

Queries

- ☐ `Post::all()`
- ☐ `Post::find($id)`
- ☐ `Post::whereIn('user_id', $users)`
 `->orderBy('created_at', 'desc')`
 `->get()`



Migrations

- ☐ Armazenados em `database/migrations/`

- ☐ Comando:

```
$ php artisan make:migration [nome]
```

- ☐ Ou:

```
$ php artisan make:model -m [nome]
```

Migrations

- Exemplo

```
$ php artisan make:model -m Post
```

- Arquivo criado

```
2016_10_05_015152_create_posts_table
```

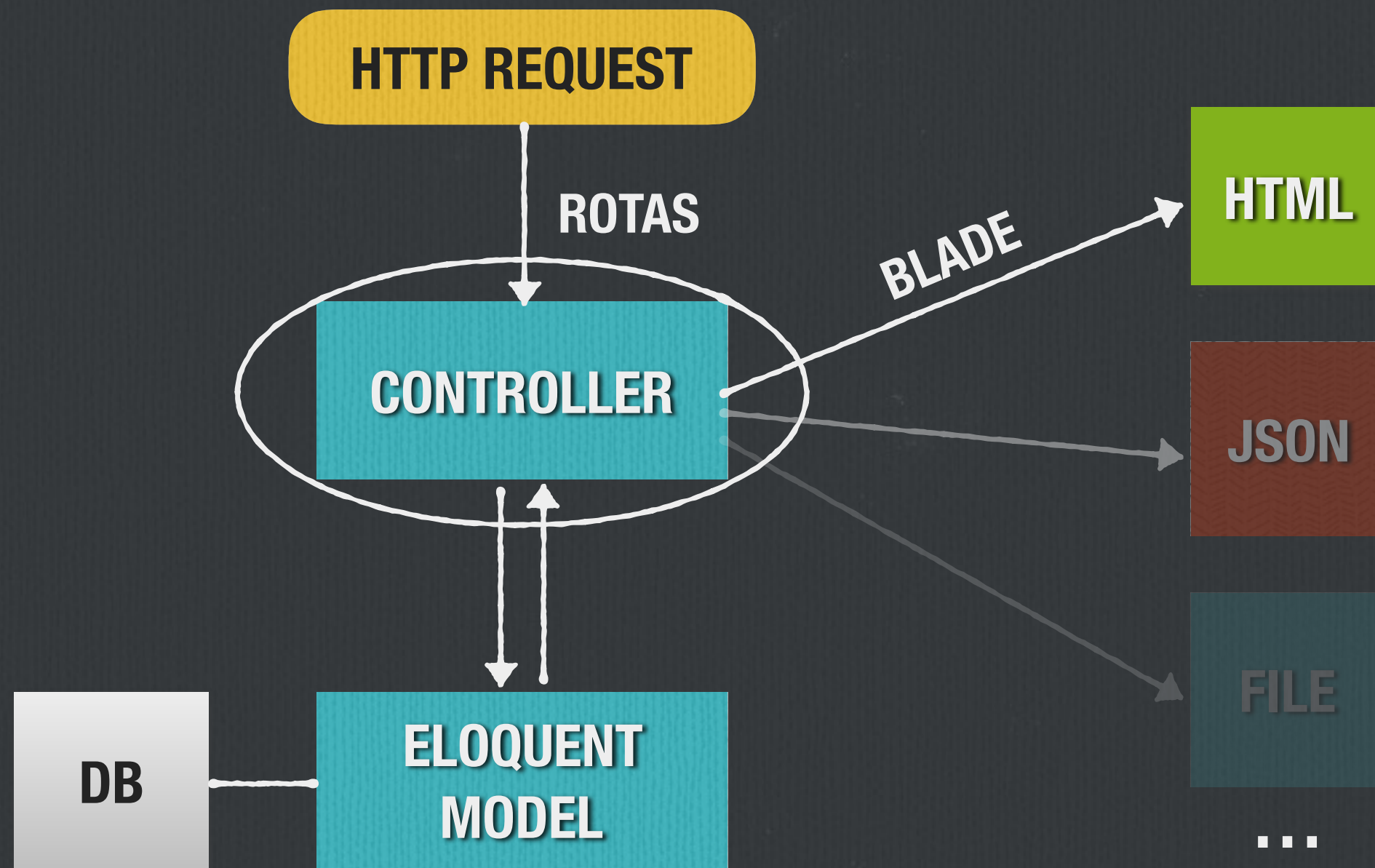

Migrations

```
public function up()  
{  
    Schema::create('posts', function (Blueprint $table) {  
        $table->increments('id');  
        $table->string('content');  
        $table->integer('user_id')->unsigned();  
        $table->timestamps();  
    });  
}
```

Migrations

Atributos

- ❑ `$table->string('nome')`
- ❑ `$table->integer('user_id')`
- ❑ `$table->foreign('user_id')
->references('id')->on('users')
->onDelete('cascade')`



Controllers

- ❑ Armazenados em `app/Http/Controllers/`

- ❑ Comando:

```
$ php artisan make:controller [nome]
```


Controllers

□ Exemplo

\$ php artisan make:controller -r PostController

```
class TestController extends Controller
{
    public function index() {}
    public function create() {}
    public function store(Request $request) {}
    public function show($id) {}
    public function edit($id) {}
    public function update(Request $request, $id) {}
    public function destroy($id) {}
}
```

Controllers

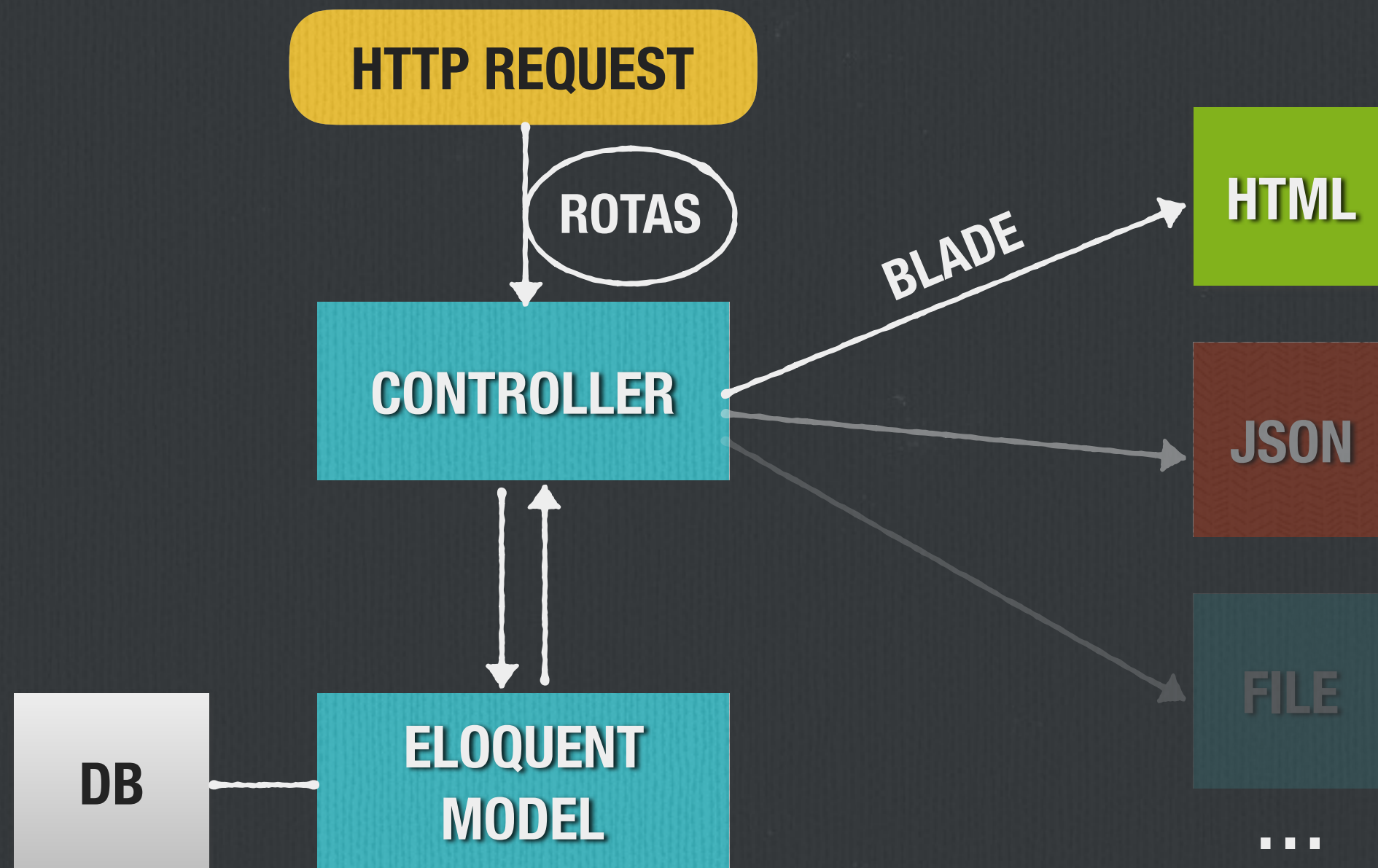
□ Exemplo de um método

```
public function showProfile($id)
{
    return view('user.profile', ['user' => User::findOrFail($id)]);
}
```


Controllers

□ Exemplo de responses

```
return response()->json([  
    'cidade' => 'Natal',  
    'estado' => 'RN'  
]);
```



Rotas

- Armazenados em `routes/[web.php, api.php,...]`

```
Route::get($uri, $callback);  
Route::post($uri, $callback);  
Route::put($uri, $callback);  
Route::patch($uri, $callback);  
Route::delete($uri, $callback);  
Route::options($uri, $callback);
```

Rotas

□ Exemplos

```
Route::get('/', 'PostController@index');
```

```
Route::post('/post', 'PostController@store');
```

```
Route::get('/u/{username}', 'UserController@show');
```

```
Route::post('/u/{username}/follow', 'UserController@follow');
```

```
Route::post('u/{user_id}/unfollow', 'UserController@unfollow');
```

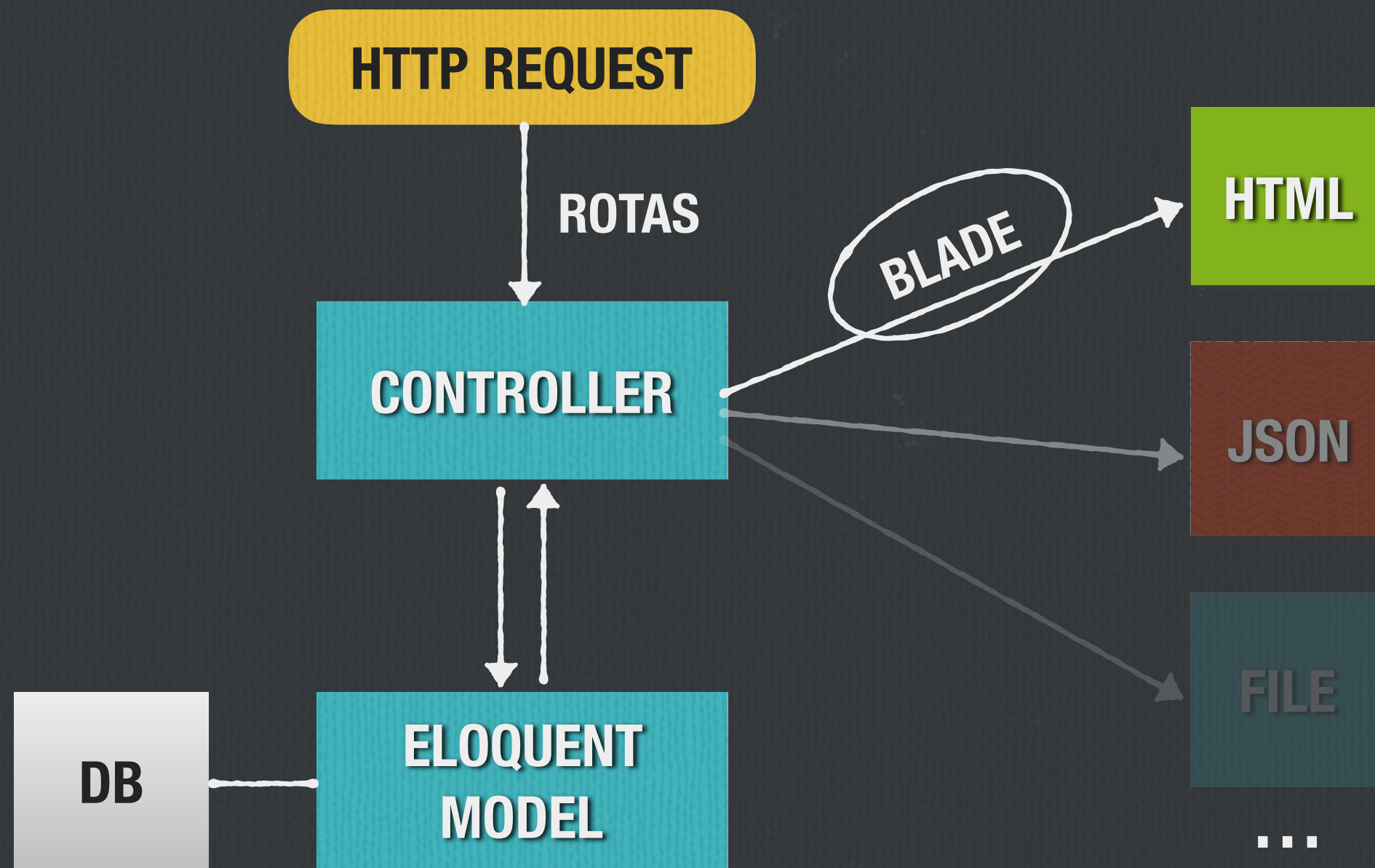

Rotas: Grupos

□ Exemplos

```
// Autorizando ou restringindo acesso de usuários
Route::group(['middleware' => 'auth'], function () {
    Route::get('user/list', function () {
        // Usa Auth Middleware
    });

    Route::get('user/profile', function () {
        // Usa Auth Middleware
    });
});

Route::group(['middleware' => 'guest'], function () {
    Route::get('/', function () {
        // Usa Auth Middleware
    });
});
```



Blade Templates

- ☐ Armazenados em `resources/views/`
- ☐ Herança de templates
- ☐ Reuso (includes)
- ☐ Estruturas de controles, loops

Blade Templates

□ Exemplos

Template base: `resources/views/layouts/master.blade.php`

```
<html>
  <head>
    <title>App Name - @yield('title')</title>
  </head>
  <body>
    @section('sidebar')
      This is the master sidebar.
    @show

    <div class="container">
      @yield('content')
    </div>
  </body>
</html>
```


Blade Templates

□ Exemplos

Template filho: `resources/views/layouts/child.blade.php`

```
@extends('layouts.master')

@section('title', 'Titulo da pagina')

@section('sidebar')
    @parent

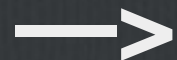
    <p>Isto será adicionado à section sidebar do master.</p>
@endsection

@section('content')
    <p>Conteúdo (content) do body.</p>
@endsection
```

Blade Templates: Exemplos

`Route::get('/u/{username}', 'UserController@show');` ← Rotas

Controller



```
public function show($username)
{
    $user = User::where('username', $username)->firstOrFail();
    return view('users.show', compact('user'));
}
```

```
<div class="col-md-8">
    <h2 style="margin-top: 0px">{{ $user->name }}</h2>
    <h3 style="margin-top: 0px">{{ '@' . $user->username }}</h3>
    <p style="margin-top: 0px">Member since {{ $user->created_at->format('d/m/y') }}
    .</p>
</div>
```

Template



Blade Templates

- Herança

- `@yield('area')`



- `@extends('layouts.master')`



- `@section('area')`

Blade Templates

- **Exibindo dados**
 - `{{ $var }}`
 - `@{{ $var }}` (Angular)
 - `{{ $var or 'Default' }}`
 - `{{ isset($var) ? $var : 'Default' }}`

Blade Templates

□ Estrutura de Controle

```
@if (count($records) === 1)
|   I have one record!
@elseif (count($records) > 1)
|   I have multiple records!
@else
|   I don't have any records!
@endif

@unless (Auth::check())
|   You are not signed in.
@endunless
```

Blade Templates

□ Loops

```
@for ($i = 0; $i < 10; $i++)  
    The current value is {{ $i }}  
@endfor  
  
@foreach ($users as $user)  
    <p>This is user {{ $user->id }}</p>  
@endforeach
```


Lab:

Primeiro app Laravel



laratwitter

Avante

- ☐ **Documentação**
laravel.com/docs/
laravel.artesaos.org/docs/
- ☐ **Laracasts**
laracasts.com
- ☐ **Laravel News:**
laravel-news.com
- ☐ **Slack BR**
slack.laravel.com.br

Obrigado!