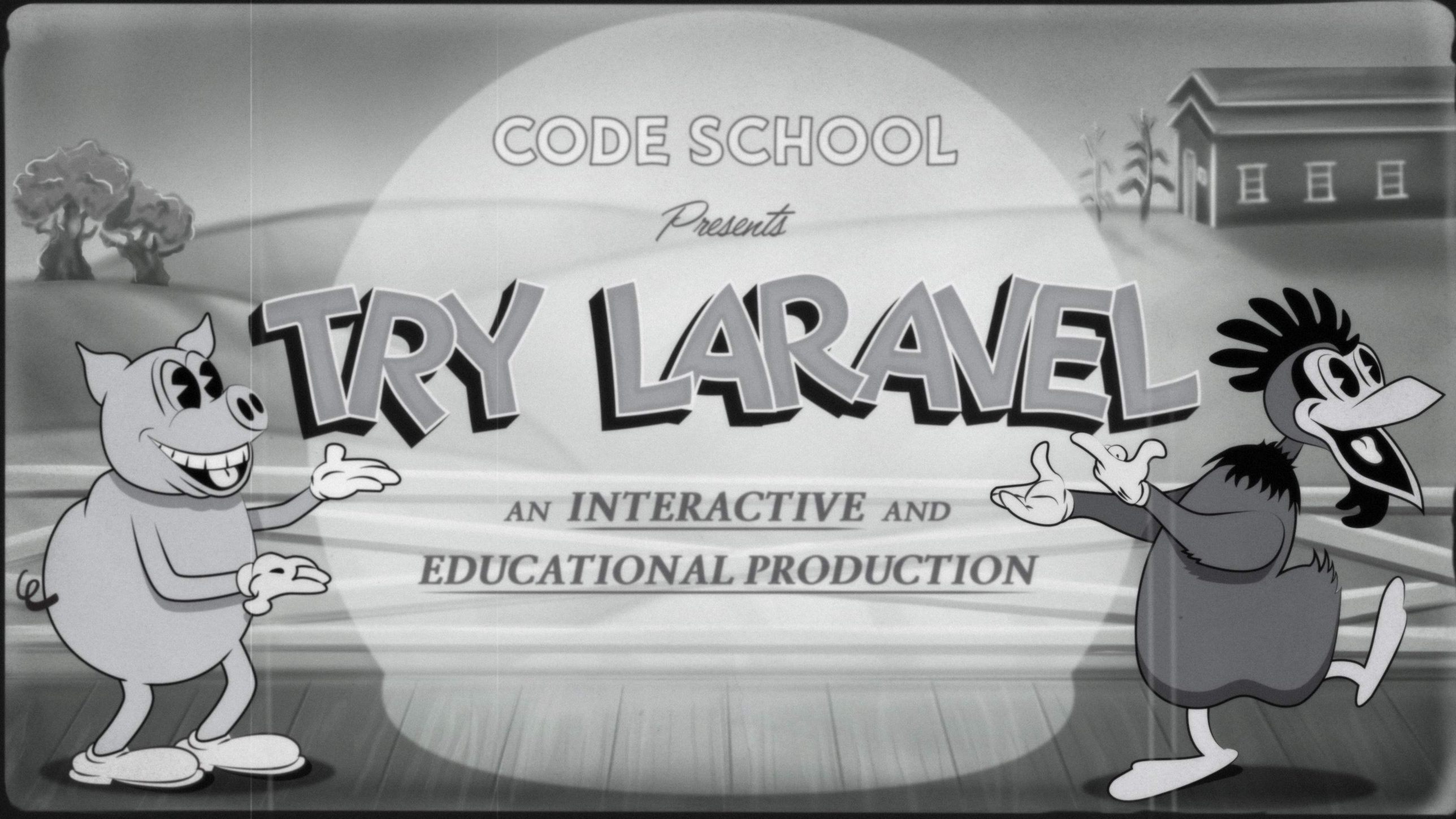
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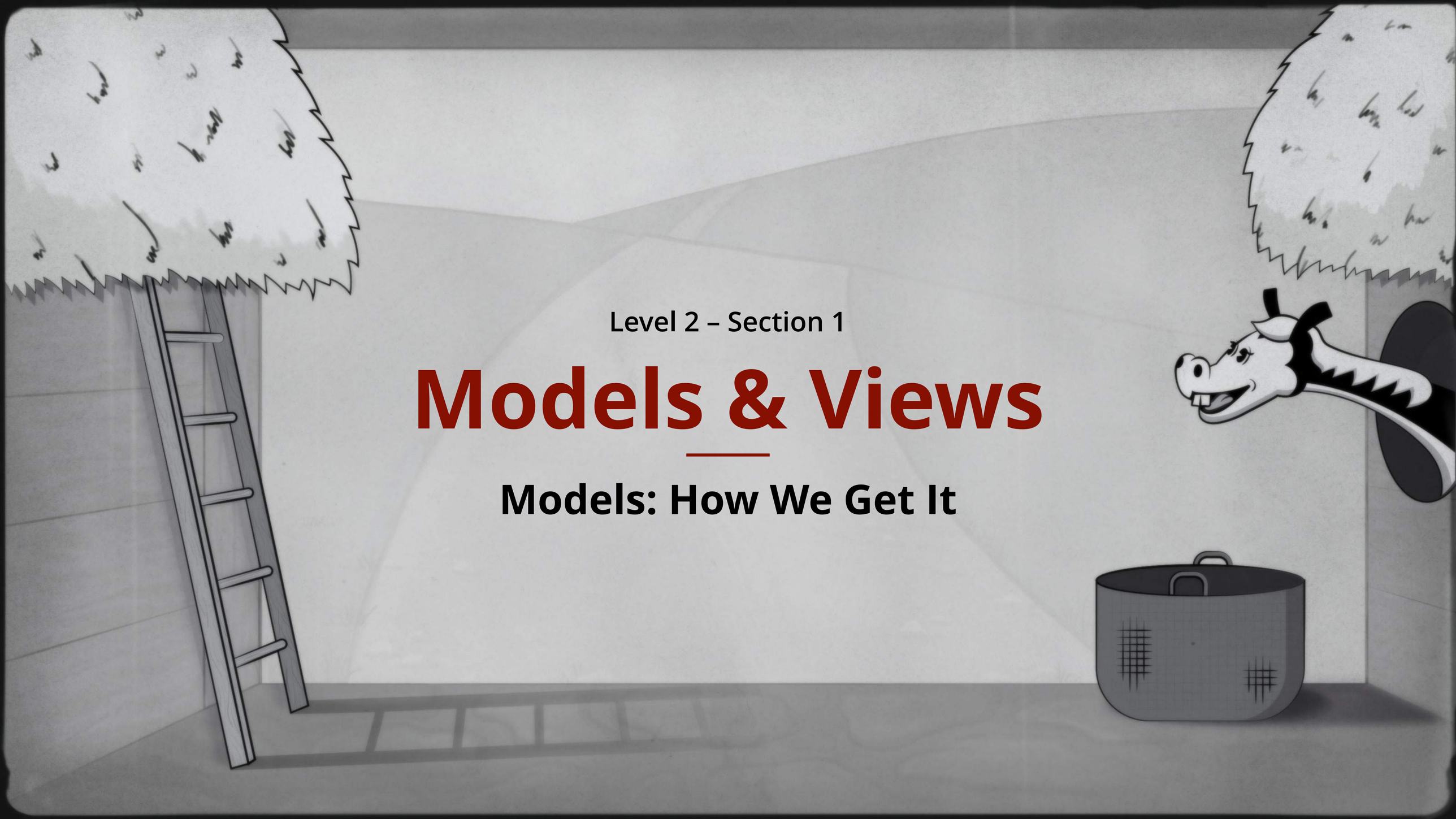


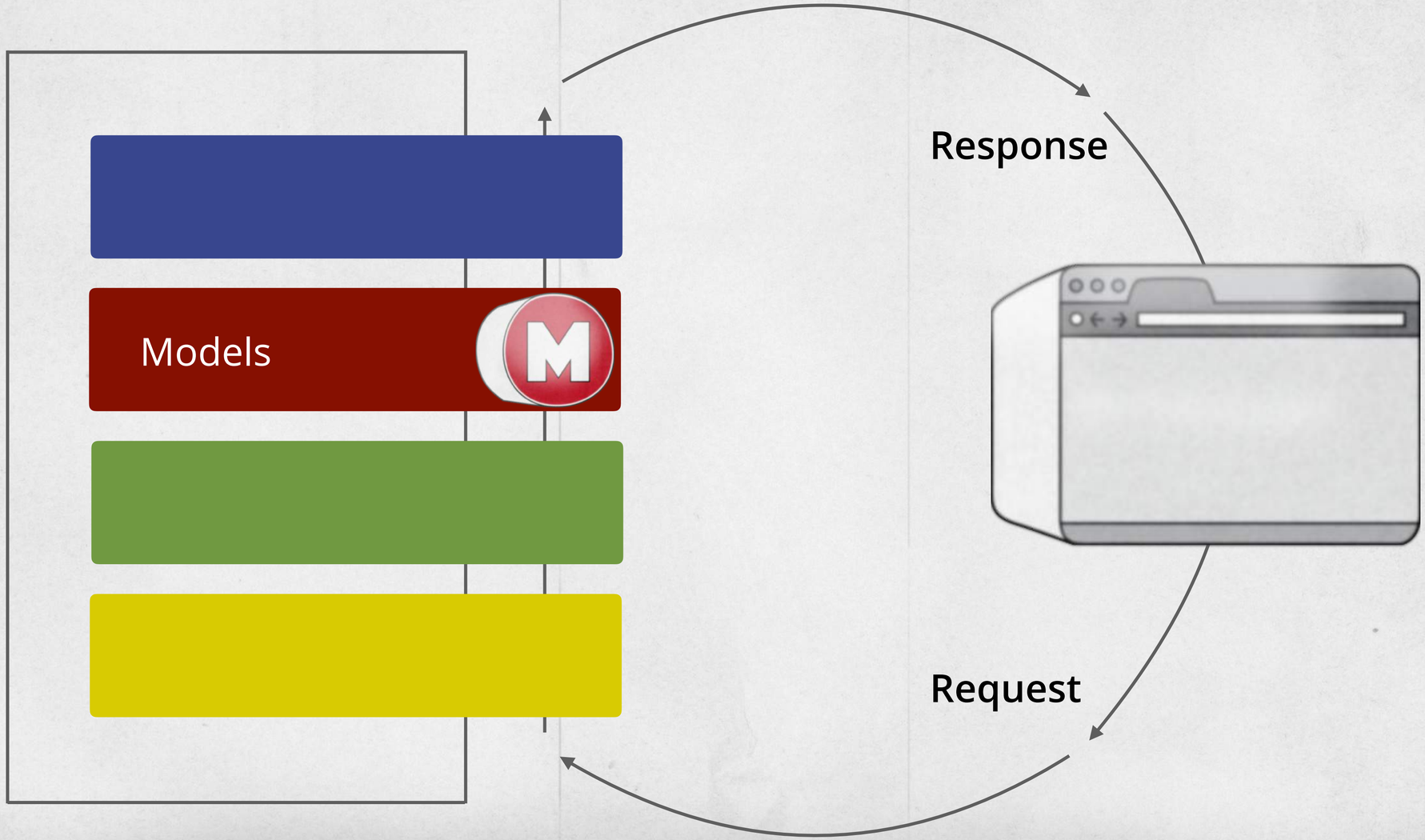
Level 2 – Section 1

Models & Views

Models: How We Get It

Application Stack Diagram

The model is where we define our database interaction.



We Need a Collection From the Database

How can we get the market with an id **of 3?**

markets

id	name	website	city
1	Orlando Market	orlandofarmersmarket.com	Orlando
2	AP Community Market	apcommunitymarket.com	Orlando
3	Lake Lilly Market	lakelillymarket.com	Maitland
4	Cair Paravel Market	cairparavelmarket.com	Narnia

Desired result

```
=> {['id' => 3, 'name' => 'Lake Lilly Market','city' => 'Maitland']}
```

Eloquent Models Associate Database Tables

```php
$m = Market::find(3);
```

app/Market.php

```php
use Illuminate\Database\Eloquent\Model;

class Market extends Model
{
}
```

markets

id	name	website	city
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Managing Long Queries

What happens when you need to make longer queries more often?

```
// retrieve orlando markets
$orlandoMarkets = Market::where('city', 'Orlando')
                        ->orderBy('name', 'desc')
                        ->get();
```

How can we simplify this?

Local Scopes

Local scopes help you to create custom queries for common code.

```php
class Market extends Model
{
    // only Orlando markets
    public function scopeOrlando($query)
    {
        return $query->where('city', 'Orlando')
                     ->orderBy('name', 'desc');
    }
}
```

The scope definition starts with the word scope followed by the name of the scope

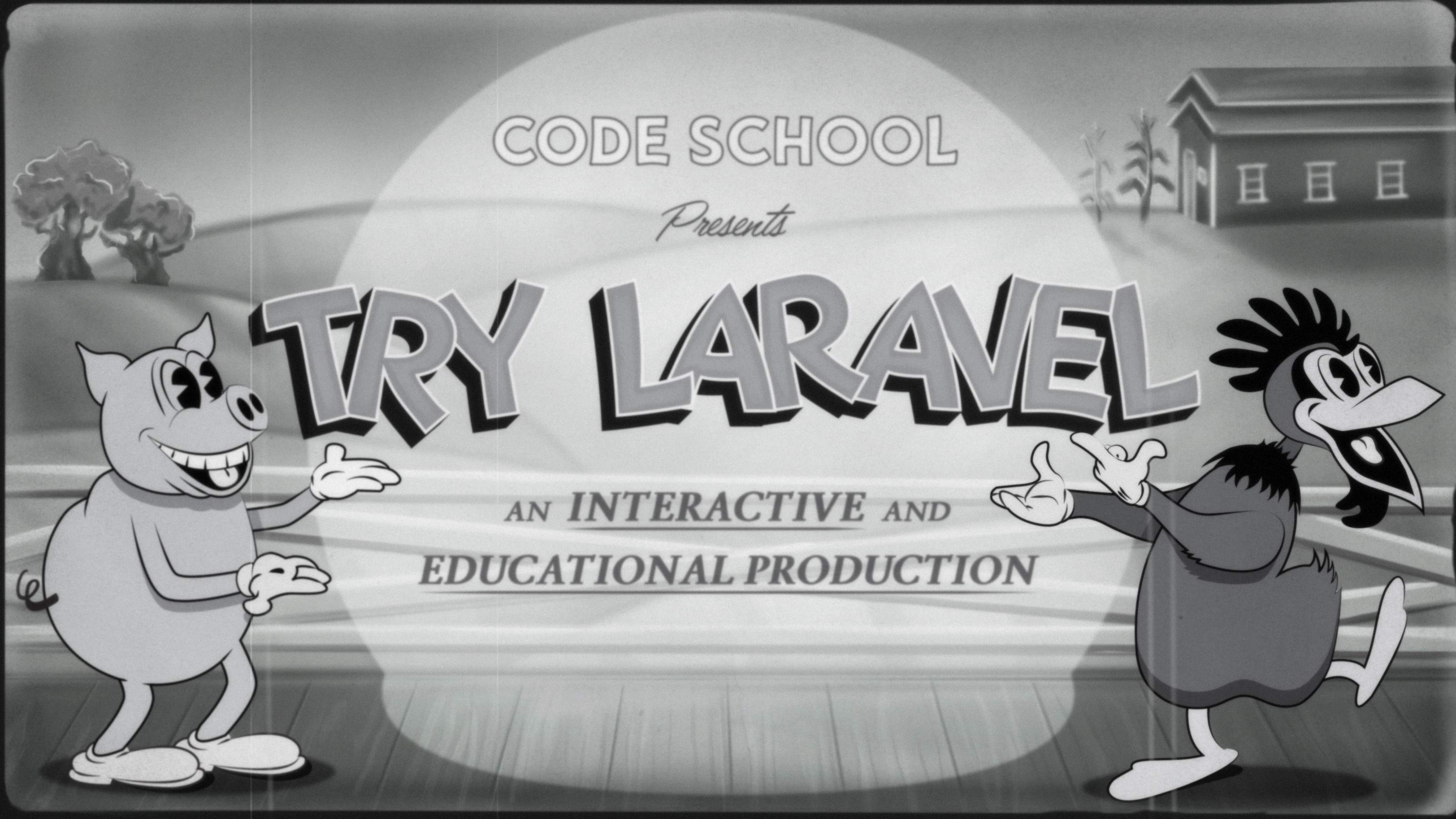
```php
// retrieve orlando markets
$orlandoMarkets = Market::orlando()->get();
```

To call the scope, you just write the name without the word "scope" in front

Models in Review

Creating models with Laravel's Eloquent

Local scopes inside of the model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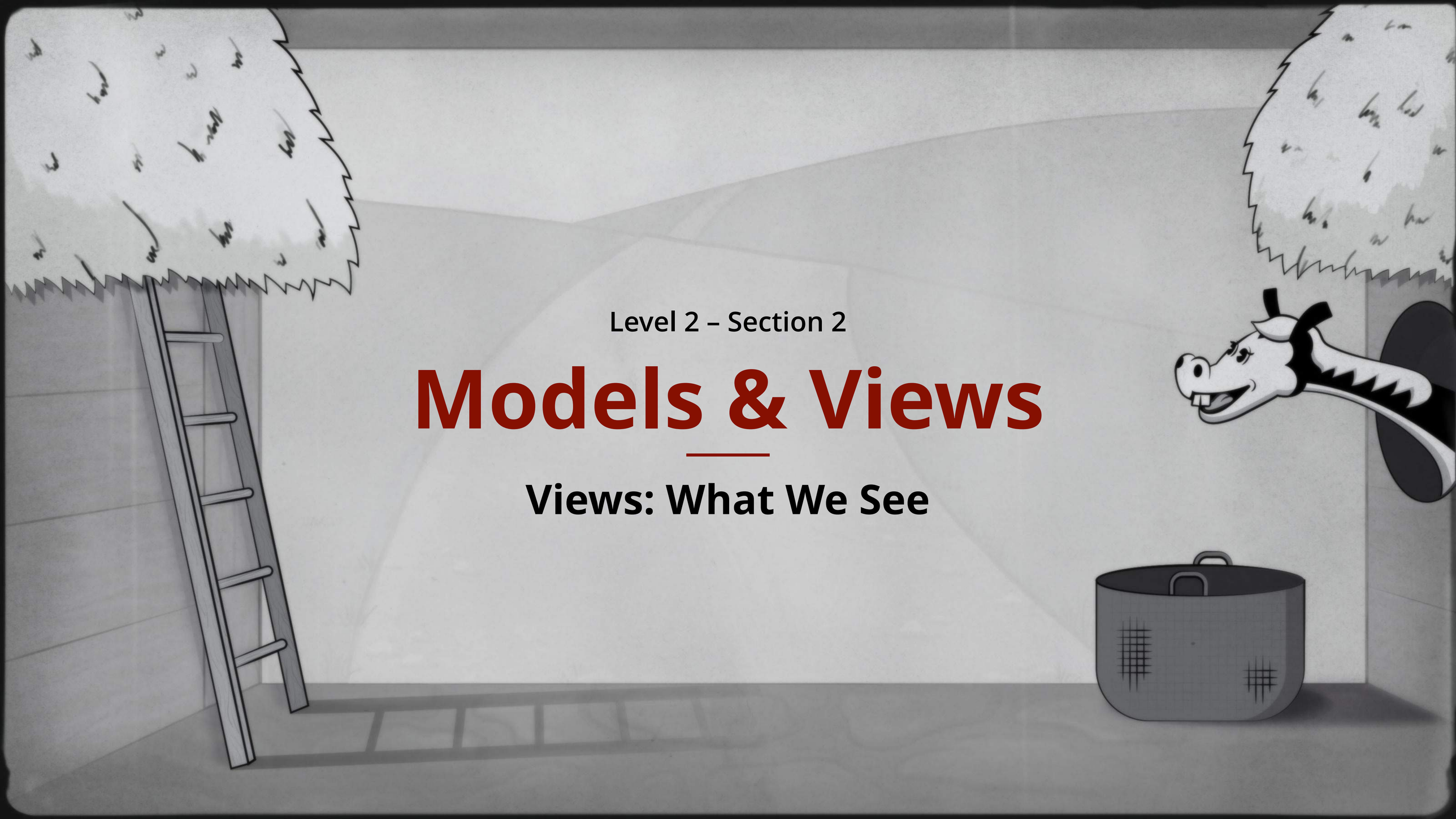


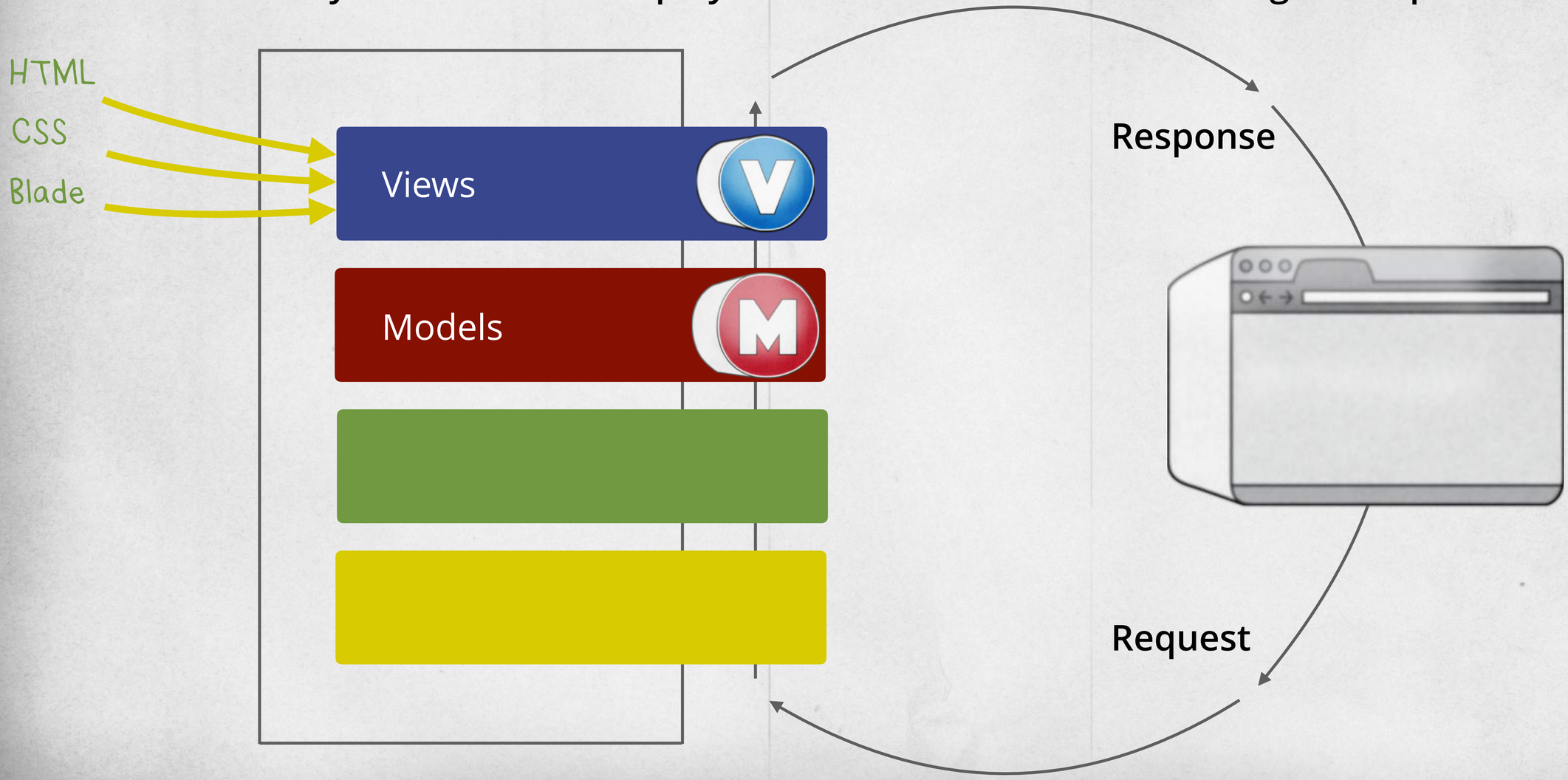
Level 2 – Section 2

Models & Views

Views: What We See

Application Stack Diagram

The views layer is where we display our information back to the original request.



Our Project Files So Far

Laravel's folder structure is easy to understand and helps us organize our code.

Views live here, under the Resources/views folder

Any view specific to a model should live in their own folder under the views folder

Showing a Single Market With Blade

Resources/views/markets/show.blade.php

```
<!DOCTYPE html>
<html lang="en">
<head><title>Farm To Market</title></head>
<body>
@php
  $market = Market::find(3);
@endphp

  <h1>{{ $market->name }}</h1>
  <h3>{{ $market->city }}</h3>
  Website:
  <a href="{{ $market->website }}">
    {{ $market->website }}
  </a>

</body>
</html>
```

@php and @endphp behaves like <?php ?>

{{ }} echoes any code within!

View is rendered with no styles

Animations: Build HTML first, then @php section then the remainder

Listing All Markets With a View

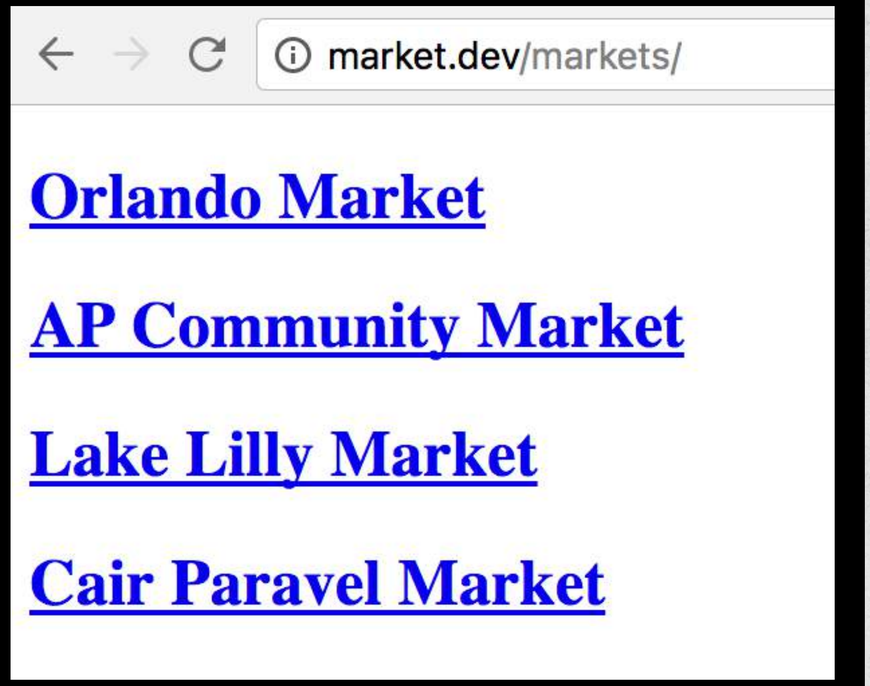
resources/views/markets/index.blade.php

```
<!DOCTYPE html>
<html lang="en">
<head><title>Farm To Market</title></head>
<body>

@php
  $markets = Market::all();
@endphp

@foreach ($markets as $market)
  <a href="{{ $market->website }}">
    <h2>{{ $market->name }}</h2>
  </a>
@endforeach

</body>
</html>
```



Creating a Layout

resources/views/layouts/app.blade.php

```
<!DOCTYPE html>
<html lang="en">
<head><title>Farm To Market</title><
<body>

  @yield('main')

</body>
</html>
```

resources/views/markets/index.blade.php

```
@extends('layouts.app')
@section('main')
  @php
    $markets = Market::all();
  @endphp
  @foreach ($markets as $market)
    <a href="{{ $market->website }}">
      <h2>{{ $market->name }}</h2>
    </a>
  @endforeach
@endsection
```

@extends starts by looking in the views folder!
In this example we are looking for:
views/layouts/app.blade.php

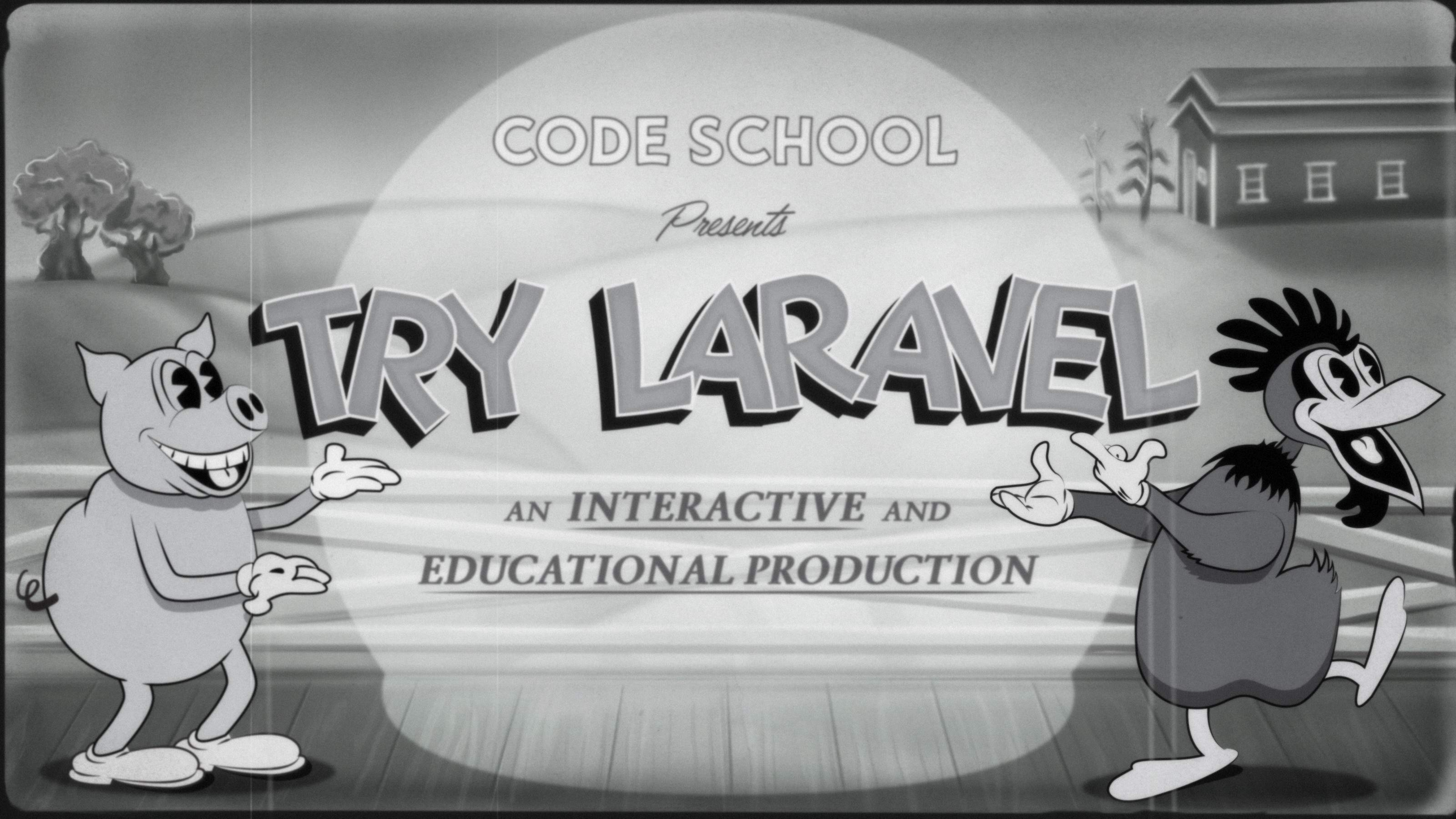
Views in Review

Creating views

Basic Blade template syntax

Using Blade to create layouts

TRY LARAVEL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