

NOW IN
TECHNICOLOR!

From

FORM - TO - TABLE

With

LARAVEL



Level 1

Getting Up & Running

Installation and Setup

First Steps to Create Our Application

What steps will we take to get up and running with Laravel?

Installing Laravel

Creating a new App

Start our Server (Locally)

Using Artisan Commands

Downloading the Laravel Installer

terminal.app

```
~/ $ composer global require laravel/installer  
Changed current directory to /Users/hampton/.composer  
Using version ^1.3 for laravel/installer  
./composer.json has been updated  
Loading composer repositories with package information  
Updating dependencies (including require-dev)  
Package operations: 0 installs, 1 update, 0 removals  
  - Updating laravel/installer (v1.3.4 => v1.3.5) Downloading: 100%  
Writing lock file  
Generating autoload files  
  
~/ $
```


Creating a New Project: Market

terminal.app

```
~/ $ laravel new market
```

```
Crafting application...
```

```
Loading composer repositories with package information
```

```
Installing dependencies (including require-dev) from lock file
```

```
Package operations: 59 installs, 0 updates, 0 removals
```

- Installing doctrine/inflector (v1.1.0) Downloading: 100%
- Installing erusev/parsedown (1.6.1) Downloading: 100%
- Installing jakub-onderka/php-console-color (0.1) Downloading: 100%

```
...
```

```
> php artisan key:generate
```

```
Application key [base64:fjhasuwlubrlwkajbfla/ZQ5AhOTw=] set successfully.
```

```
Application ready! Build something amazing.
```


Testing Our Installation

terminal.app

```
~/ $ cd market
```

```
~/market $ php artisan serve
```

```
Laravel development server started: <http://127.0.0.1:8000>
```

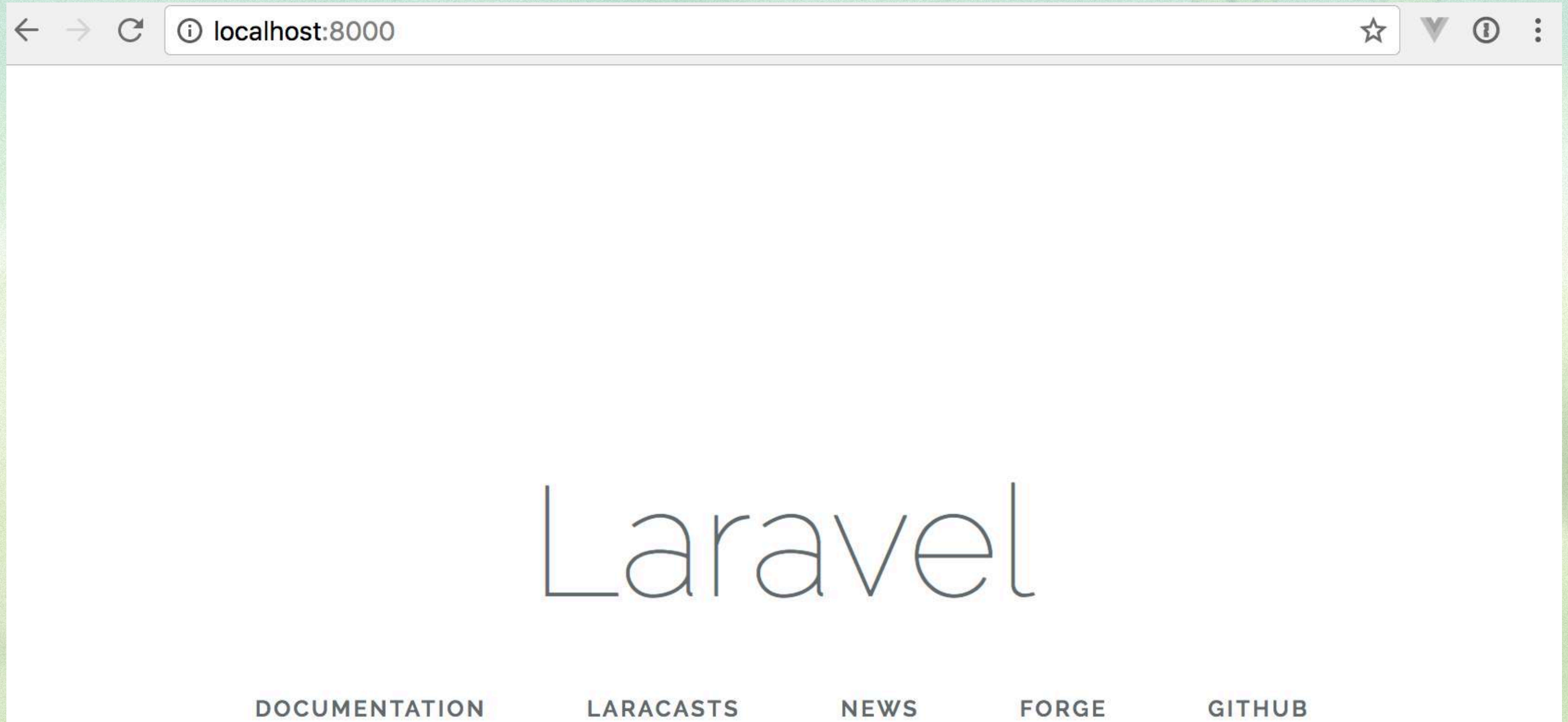
Control + C to Exit the Server



Visit this url in your browser!



Laravel Welcome Page



How Can We Create a Model?

We will need a Market model; how do we generate one in Laravel?

- Using Artisan, Laravel's CLI Tool
- Using The make command for Models
- Create a Migration for the Database (more on this)
- All will be done from the terminal

Inline Help With Artisan

terminal.app

```
~/market $ php artisan help make:model
```

add help in front of any command!

Usage:

```
make:model [options] [--] <name>
```

Arguments:

name

The name of the class

*to create a migration we
will pass the -m option*

Options:

-m, --migration

Create a new migration file for the model.

...

Creating a Model with Migrations

terminal.app

```
~/market $ php artisan make:model -m Market  
Model created successfully.  
Created Migration: 2017_02_24_183842_create_markets_table  
~/market $
```

*use capitalized model
names in the singular form*

Looking at Our Model

app/Market.php

```
<?php
```

```
namespace App;
```

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

```
class Market extends Model
```

```
{
```

```
    //
```

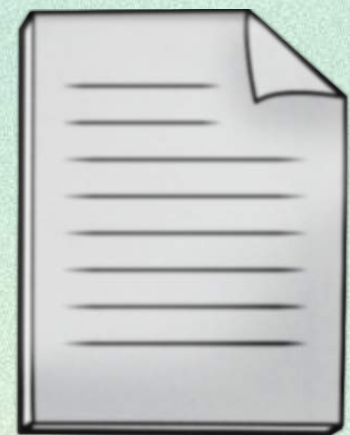
```
}
```

uses the namespace App

extends the Eloquent\Model class

let's setup our migrations!

Using Migrations



2017_02_24_183842_create_markets_table.php

```
~/market $ php artisan migrate
```

Run The Migration

Creates Table

Creates Column Details

```
~/market $ php artisan migrate:rollback
```

Rolls Back Last Migration Changes

Deletes Table

The Default Generated Migration

database/migrations/2017_02_24_183842_create_markets_table.php

```
<?php
```

```
class CreateMarketsTable extends Migration
{
```

```
    public function up()
    {
```

```
        Schema::create('markets', function (Blueprint $table) {
            $table->increments('id');
            $table->timestamps();
        });
    }
```

creates our markets table

tracks created and modified times

...


Add Columns to the Migration

database/migrations/2017_02_24_183842_create_markets_table.php

```
<?php

class CreateMarketsTable extends Migration
{

    public function up()
    {
        Schema::create('markets', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name')->unique();
            $table->string('city');
            $table->string('website');
            $table->timestamps();
        });
    }
}
```



ensures that there are no duplicate market names

...

Getting Up & Running in Review

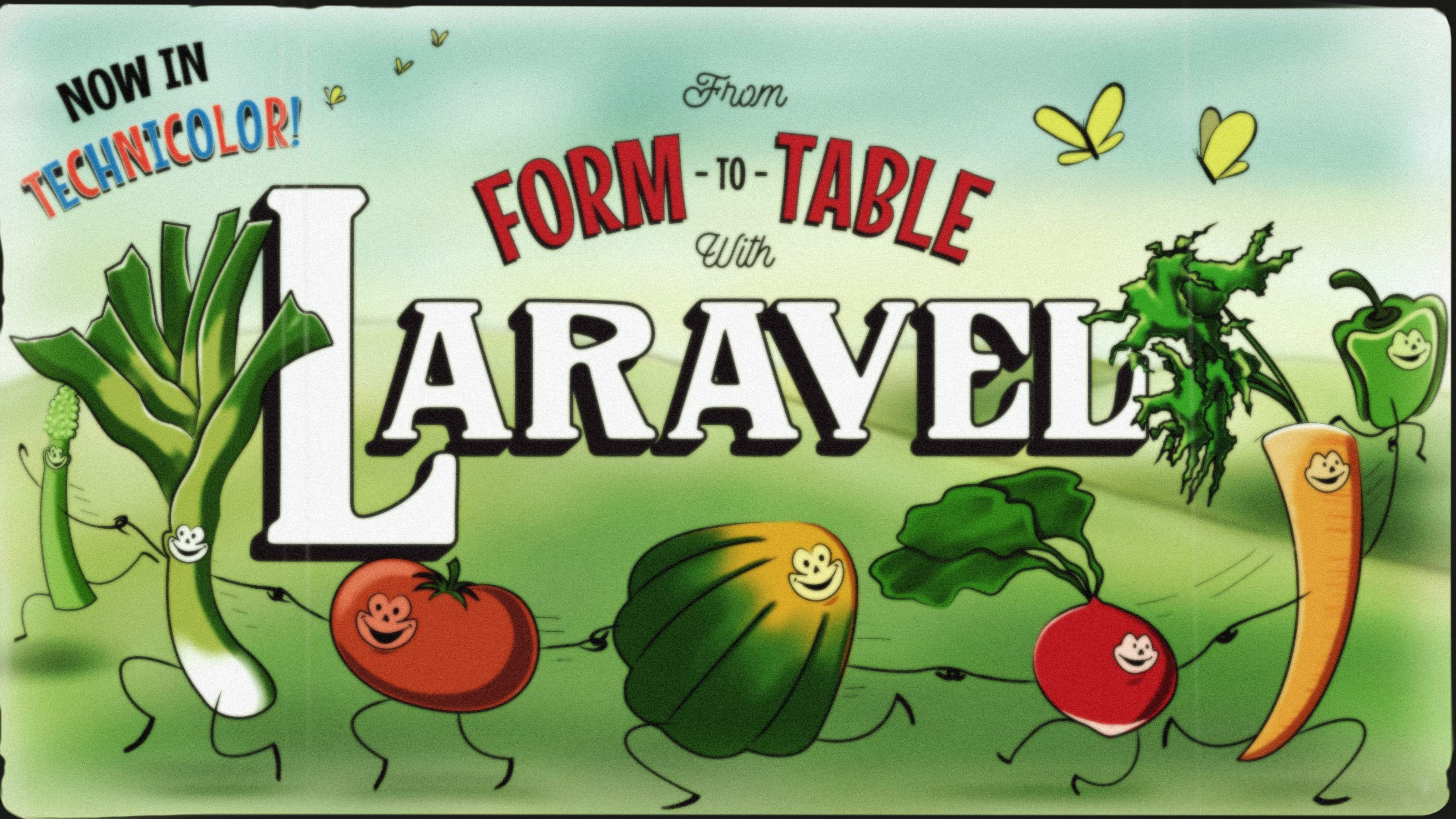
Let's have a refresher on what we have learned in this section.

Laravel installer with Composer

Create a new application with Laravel

Artisan serve

Creating a Model with Migrations



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