

Create Your Own Laravel Package in 10 Minutes



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In this article, I'm going to create a simple Laravel package. I'm testing in **Laravel 7.13**. So, let's get started:

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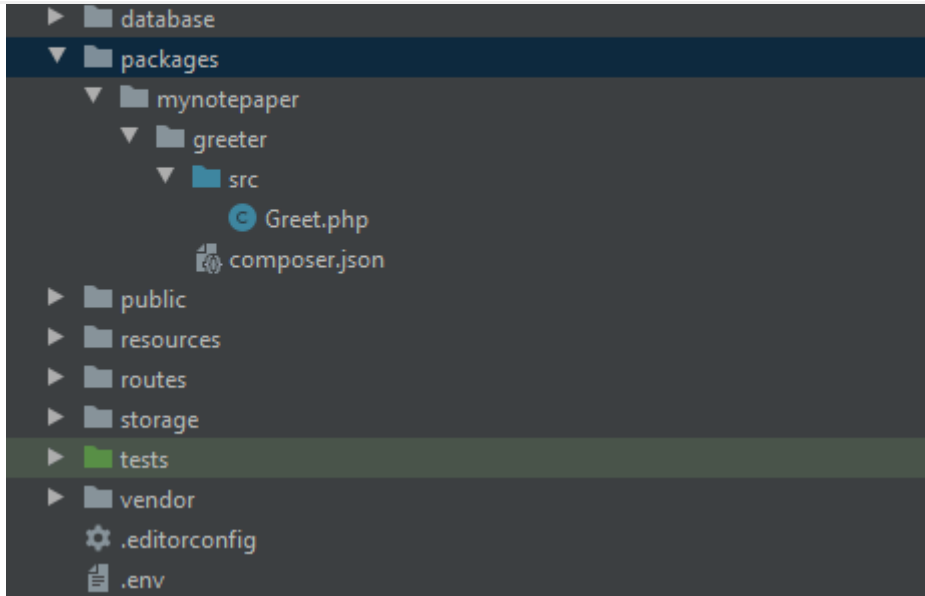
Create Laravel Project

Run this command to create a Laravel project:

```
laravel new project-name  
# or  
composer create-project --prefer-dist laravel/laravel project-name
```

File Structure

Now let's create a file structure as shown below to develop our package.



We've created **packages** folder on the default folder structure of a new Laravel project. Inside the packages folder, we've defined `mynotepaper` as the vendor name and `greeter` as the package name. The `src` folder will contain all the source code of our package.

Initialize composer.json

Go to `packages/mynotepaper/greeter` directory from command prompt. Then run this command to initialize composer.json:

```
composer init
```

This command will ask for some questions. After the initialization, we need to add a property named **autoload** like below:

```
{
  "name": "mynotepaper/greeter",
  "description": "A simple Laravel package",
  "type": "project",
  "license": "MIT",
  "authors": [
    {
      "name": "Md Obydullah",
      "email": "hi@obydul.me"
    }
  ],
  "autoload": {
```

```
},  
"minimum-stability": "dev",  
"require": {}  
}
```

Open Laravel project's composer.json file & add `"Mynotepaper\Greeter\"`:
`"packages/mynotepaper/greeter/src"` in `autoload>psr-4` property :

```
"autoload": {  
    "psr-4": {  
        "App\\": "app/",  
        "Mynotepaper\\Greeter\\": "packages/mynotepaper/greeter/src"  
    },  
    "classmap": [  
        "database/seeds",  
        "database/factories"  
    ]  
},
```

Now we need to run the following command in the project root directory for package discovery:

```
composer dump-autoload
```

Create a Class

Navigate to **packages>mynotepaper>greeter>src** folder. Inside src folder create a class file named **Greet.php**.

Greet.php

```
<?php
```

```
namespace Mynotepaper\Greeter;
```

```
class Greet
```

```
{  
    public function greet(String $name)  
    {  
        return 'Hello ' . $name . '! Welcome to Mynotepaper.com';  
    }  
}
```



This class will greet user. As this is a short package tutorial, I'm not going to add more classes or functions. Let's try to access this class from Laravel project.

Testing Our Package

Let's create a route and call our package **Greeter** class from this route:

routes/web.php

```
use Mynotepaper\Greeter\Greet;  
  
Route::get('/greet/{name}', function ($name) {  
    $greet = new Greet();  
  
    return $greet->greet($name);  
});
```

Now run the Laravel project and visit `http://localhost:8000/greet/0bydu1` URL to see the output.

We've created a simple Laravel project and tested. You can [download this project from GitHub](#). Thank you.

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Laravel



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