

Laravel - Request

In this chapter, you will learn in detail about Requests in Laravel.

Retrieving the Request URI

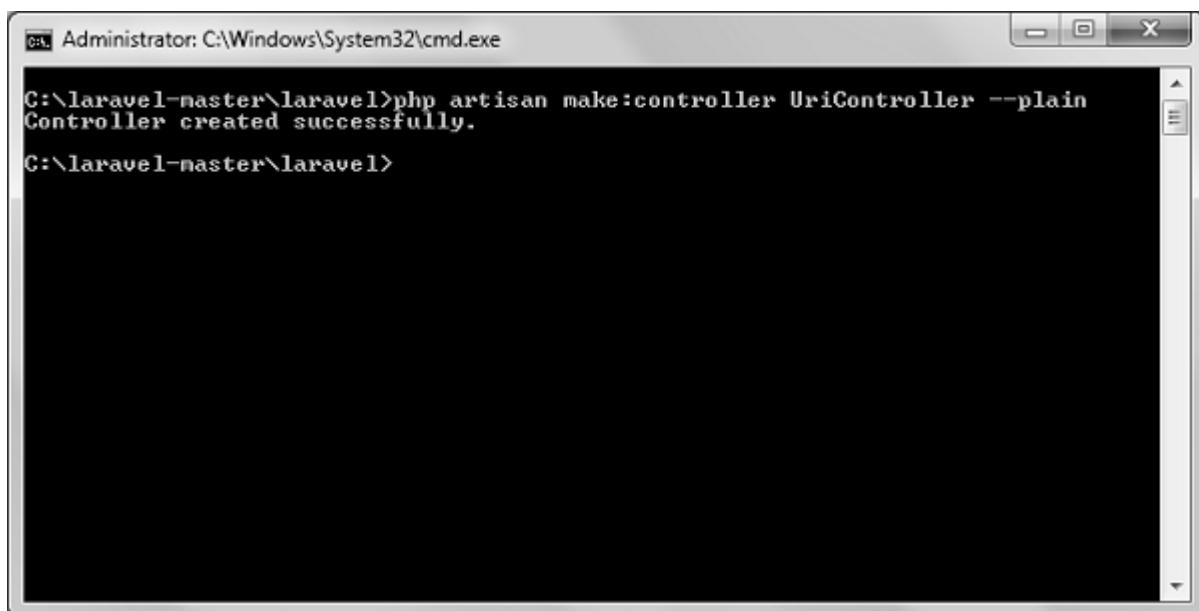
The **path** method is used to retrieve the requested URI. The **is** method is used to retrieve the requested URI which matches the particular pattern specified in the argument of the method. To get the full URL, we can use the **url** method.

Example

Step 1 – Execute the below command to create a new controller called **UriController**.

```
php artisan make:controller UriController plain
```

Step 2 – After successful execution of the URL, you will receive the following output –



A screenshot of a Windows Command Prompt window titled "Administrator: C:\Windows\System32\cmd.exe". The window shows the command "php artisan make:controller UriController --plain" being run, followed by the message "Controller created successfully." The command prompt is located at "C:\laravel-master\laravel1".

```
C:\laravel-master\laravel1>php artisan make:controller UriController --plain
Controller created successfully.
C:\laravel-master\laravel1>
```

Step 3 – After creating a controller, add the following code in that file.

app/Http/Controllers/UriController.php

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Http\Requests;

use App\Http\Controllers\Controller;

class UriController extends Controller {

    public function index(Request $request) {

        // Usage of path method

        $path = $request->path();

        echo 'Path Method: '.$path;

        echo '<br>';

        // Usage of is method

        $pattern = $request->is('foo/*');

        echo 'is Method: '.$pattern;

        echo '<br>';

        // Usage of url method

    }

}
```

```
$url = $request->url();  
  
echo 'URL method: '.$url;  
  
}  
  
}
```

Step 4 – Add the following line in the **app/Http/route.php** file.

app/Http/route.php

```
Route::get('/foo/bar','UriController@index');
```

Step 5 – Visit the following URL.

<http://localhost:8000/foo/bar>

Step 6 – The output will appear as shown in the following image.

Path Method: foo/bar
is Method: 1
URL method: http://localhost:8000/foo/bar

Advertisement



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Retrieving Input

The input values can be easily retrieved in Laravel. No matter what method was used **get** or **post**, the Laravel method will retrieve input values for both the methods the same way. There are two ways we can retrieve the input values.

- Using the `input()` method
- Using the properties of Request instance

Using the `input()` method

The `input()` method takes one argument, the name of the field in form. For example, if the form contains `username` field then we can access it by the following way.

```
$name = $request->input('username');
```

Using the properties of Request instance

Like the `input()` method, we can get the `username` property directly from the request instance.

```
$request->username
```

Example

Observe the following example to understand more about Requests –

Step 1 – Create a Registration form, where user can register himself and store the form at `resources/views/register.php`

```
<html>
```

```
  <head>
```

```
    <title>Form Example</title>
```

```
  </head>
```

```
<body>

    <form action = "/user/register" method = "post">

        <input type = "hidden" name = "_token" value = "<?php echo
        csrf_token() ?>">

<table>

    <tr>

        <td>Name</td>

        <td><input type = "text" name = "name" /></td>

    </tr>

    <tr>

        <td>Username</td>

        <td><input type = "text" name = "username" /></td>

    </tr>

    <tr>

        <td>Password</td>

        <td><input type = "text" name = "password" /></td>

    </tr>

    <tr>

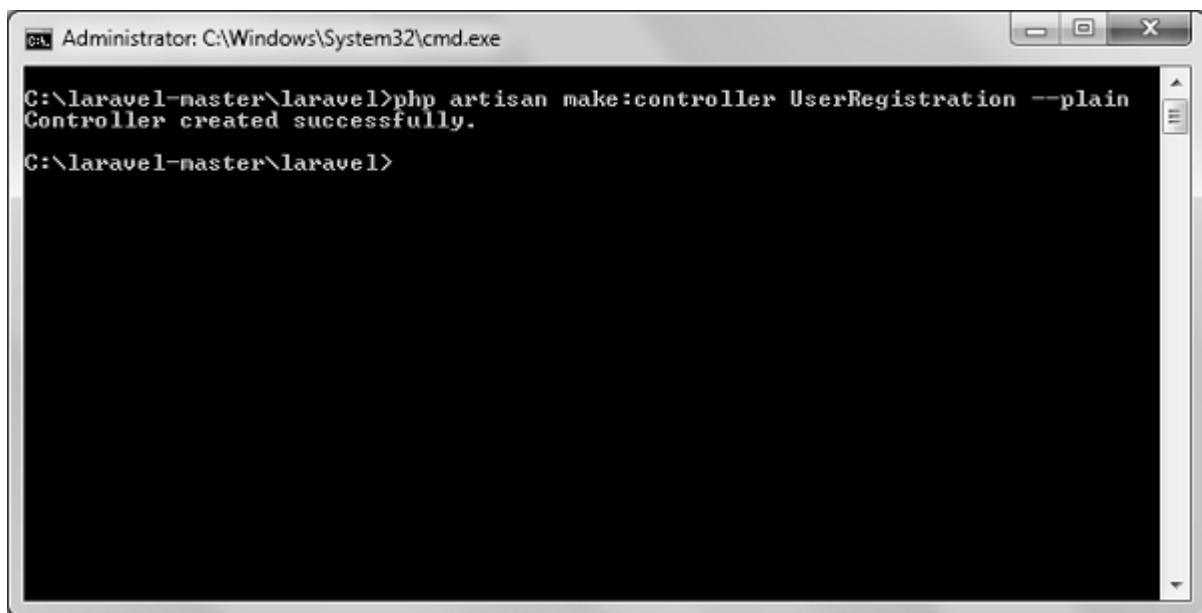
        <td colspan = "2" align = "center">
```

```
<input type = "submit" value = "Register" />  
</td>  
</tr>  
</table>  
  
</form>  
  
</body>  
  
</html>
```

Step 2 – Execute the below command to create a **UserRegistration** controller.

```
php artisan make:controller UserRegistration --plain
```

Step 3 – After successful execution of the above step, you will receive the following output –



A screenshot of a Windows Command Prompt window titled 'Administrator: C:\Windows\System32\cmd.exe'. The window shows the command 'php artisan make:controller UserRegistration --plain' being run, followed by the message 'Controller created successfully.' The command prompt is located at 'C:\laravel-master\laravel1'.

```
C:\laravel-master\laravel1>php artisan make:controller UserRegistration --plain  
Controller created successfully.  
C:\laravel-master\laravel1>
```

Step 4 – Copy the following code in

app/Http/Controllers/UserRegistration.php controller.

app/Http/Controllers/UserRegistration.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
use App\Http\Requests;
```

```
use App\Http\Controllers\Controller;
```

```
class UserRegistration extends Controller {
```

```
    public function postRegister(Request $request) {
```

```
        //Retrieve the name input field
```

```
        $name = $request->input('name');
```

```
        echo 'Name: '.$name;
```

```
        echo '<br>';
```

```
        //Retrieve the username input field
```

```
        $username = $request->username;
```

```
        echo 'Username: '.$username;
```

```
echo '<br>';

//Retrieve the password input field

$password = $request->password;

echo 'Password: '.$password;

}

}
```

Step 5 – Add the following line in **app/Http/routes.php** file.

app/Http/routes.php

```
Route::get('/register',function() {

    return view('register');

});
```

```
Route::post('/user/register',array('uses'=>'UserRegistration@post
Register'));
```

Step 6 – Visit the following URL and you will see the registration form as shown in the below figure. Type the registration details and click Register and you will see on the second page that we have retrieved and displayed the user registration details.

<http://localhost:8000/register>

Step 7 – The output will look something like as shown in below the following images.

Name	Virat
Username	virat.gandhi
Password	asdadf
<input type="button" value="Register"/>	



Name: Virat
Username: virat.gandhi
Password: asdadf