

Chapter 9: Laravel View Controller

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Objective

- Explain how to send controlling and variable between webpages
- Know difference between GET and POST
- Know PHP and Laravel commands

Topics

- Laravel Forms
- GET and POST
- Processing data from a form input

Laravel Forms: Label, Text

Name

```
<label for="name">Name </label>  
<input name="username" type="text">
```

```
{{Form::label('name')}}  
{{Form::text('username')}}
```

Laravel Forms: Password



```
<label for="password">Password </label>  
<input name="passwd" type="password">
```

```
{{Form::label('password')}}  
{{Form::password('passwd')}}
```

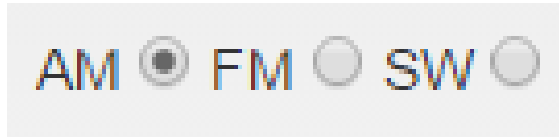
Laravel Forms: Checkbox

I love music ☐ I love movie ☐

```
I love music <input name="Music" type="checkbox" value="music">  
I love movie <input name="Movie" type="checkbox" value="movie">
```

```
I love music {{Form::checkbox('Music','music')}}  
I love movie {{Form::checkbox('Movie','movie')}}}
```

Laravel Forms: Radio button



AM

```
<input name="mod" type="radio" value="am">
```

FM

```
<input name="mod" type="radio" value="fm">
```

SW

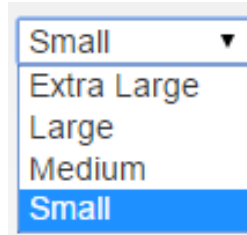
```
<input checked="checked" name="mod" type="radio" value="sw">
```

```
AM {{Form::radio('mod','am')}}}
```

```
FM {{Form::radio('mod','fm')}}}
```

```
SW{{Form::radio('mod','sw',true)}}}
```

Laravel Forms: Combobox



```
<select name="size">
    <option value="XL">Extra Large</option>
    <option value="L">Large</option>
    <option value="M">Medium</option>
    <option value="S">Small</option>
</select>
```

```
{{Form::select('size', array(
    'XL' => 'Extra Large',
    'L' => 'Large',
    'M' => 'Medium',
    'S' => 'Small'
))}}
```


Laravel Forms: Open, Submit, Close



```
<form method="GET" action="http://??.php">
```

```
<input type="submit" value="Send data">
```

```
</form>
```

```
{{ Form::open(array('url' => 'home', 'method' => 'get')) }}
```

```
Send{{Form::submit('Send data ')}}
```

```
{{ Form::close() }}
```

Laravel: GET

- Write code below and save to view/home.blade.php

```
{{ Form::open(array('url' => 'home', 'method' => 'get')) }}
    {{Form::label('name')}}
    {{Form::text('username')}}
    {{Form::label('surname')}}
    {{Form::text('surname')}}
    {{Form::label('password')}}
    {{Form::password('pass')}}
    {{Form::submit('Send data')}}
    <br/>
{{ Form::close() }}
```

Output

← → ↻  localhost:8080/laravel/public/home

hello world

My Web page

Name Surname Password



↻  localhost:8080/laravel/public/home?username=Peter&surname=555&pass=1234

Response GET

- Change url at open-from to

```
{{ Form::open(array('url' => 'home_get', 'method' => 'get')) }}
```

- Create new route

```
Route::get('/home_get',function()  
{  
    $i = Input::all();  
    echo "<pre>";  
    print_r($i);  
    echo "</pre>";  
});
```

Output

localhost:8080/laravel/public/home

hello world

My Web page

Name Surname Password



localhost:8080/laravel/public/home_response?username=Peter&surname=555&pass=1234

```
Array
(
    [username] => Peter
    [surname] => 555
    [pass] => 1234
)
```

Response POST

- Change url at open-from to

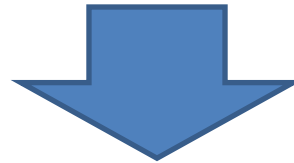
```
{{ Form::open(array('url' => 'home_post', 'method' => 'post')) }}
```

- Create new route

```
Route::post('/home_post',function()  
{  
    $i = Input::all();  
    echo "<pre>";  
    print_r($i);  
    echo "</pre>";  
});
```

Output

A screenshot of a web browser window. The address bar shows 'localhost:8080/laravel/public/home'. The page content includes 'hello world' and 'My Web page'. Below the title, there are two form sections. The first section is for a GET method, with fields for 'Name', 'Surname', and 'Password', and a 'Send data' button. The second section is for a POST method, with 'Name' containing 'Peter', 'Surname' containing '555', 'Password' containing '...', and a 'Send data' button.



A screenshot of a web browser window showing the output of a POST request. The address bar shows 'localhost:8080/laravel/public/home_post'. The page content displays a JSON array with the following data:

```
Array
(
    [_token] => JbjX5LUKYX1qFhheBC1Z9Nt2R9390cWTx4gZo3G2
    [username] => Peter
    [surname] => 555
    [pass] => 123
)
```

Processing data from a form input

- Calculate Determinants 2x2
- Write this code in view/home.blade.php

```
{{ Form::open(array('url' => 'matrix2x2', 'method' => 'get')) }}  
    {{Form::text('a11')}}  
    {{Form::text('a12')}}  
    <br>  
    {{Form::text('a21')}}  
    {{Form::text('a22')}}  
    <br/>  
    {{Form::submit('Determinants')}}  
    <br/>  
{{ Form::close() }}
```


- Write a code in route.php

```
Route::get('/matrix2x2', function()
{
    $i = Input::all();
    echo "<pre>"; print_r($i); echo "</pre>";
    $d = $i['a11'] * $i['a22'];
    $u = $i['a21'] * $i['a12'];
    echo "<br> Aeterminent = ". ($d-$u);
    $sum = $i['a11'] + $i['a12'] + $i['a21'] + $i['a22'];
    echo "<br> Average = ". ($sum/4);
});
```

← → ↻ localhost:8080/laravel/public/home

hello world

My Web page

GET method **Name** **Surname** **P**

1	2
3	4

← → ↻ localhost:8080/laravel/public/matrix2x2?a11=1&a12=2&a21=3&a22=4

```
Array
(
    [a11] => 1
    [a12] => 2
    [a21] => 3
    [a22] => 4
)
```

Aeterminent = -2
Average = 2.5

Summary