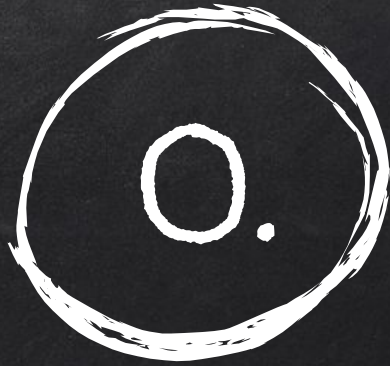


LARAVEL 5.2

IMPLEMENTATION

EASY

旭 write at 2016/05/22
lovenery@g.ncu.edu.tw



CREATE PROJECT

```
$ composer create-project --prefer-dist laravel/laravel guestbook
```

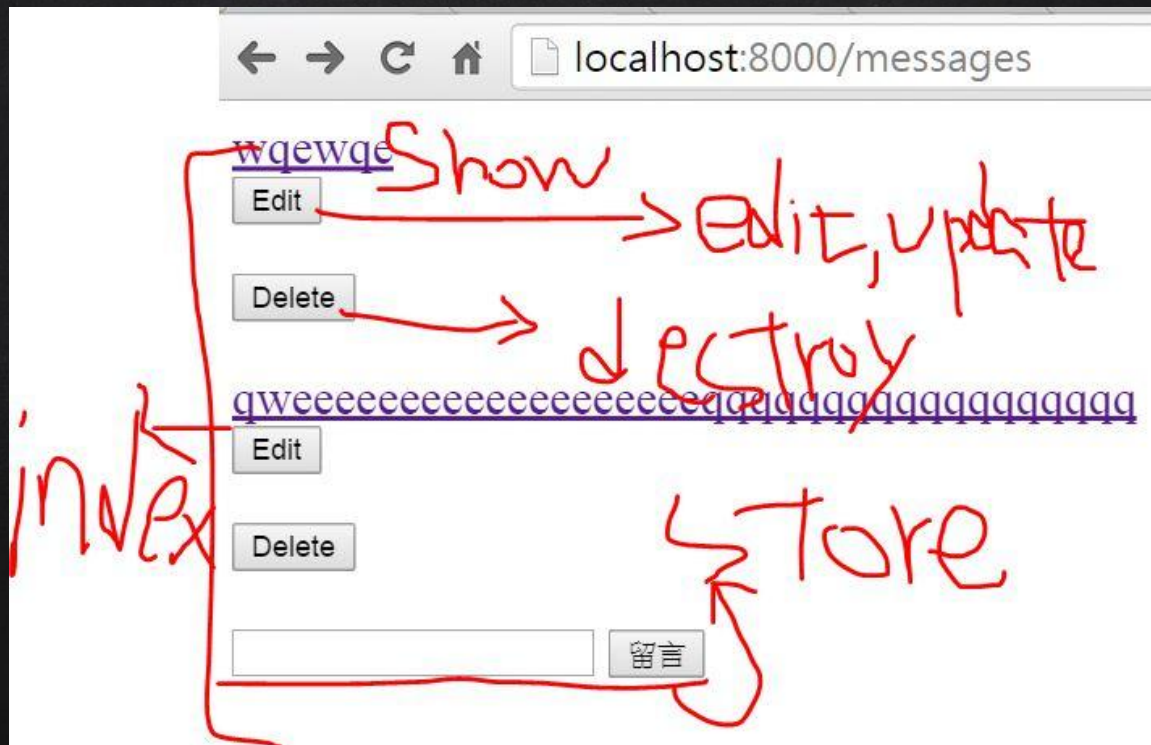
```
$ php artisan serve
```



Laravel 5

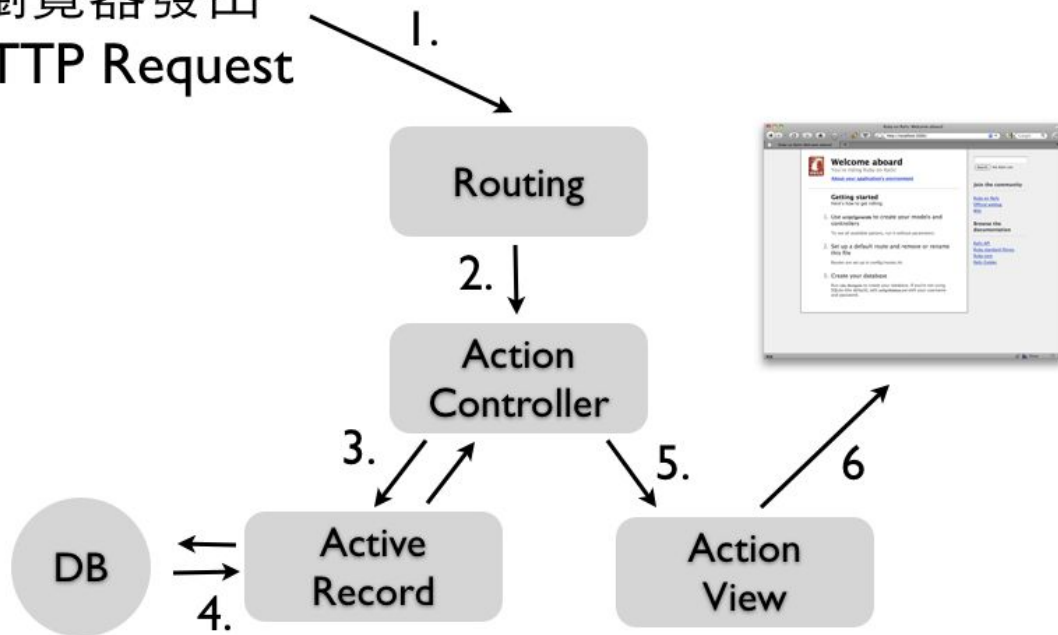
A diagram consisting of three white arrows on a black background. One arrow points diagonally down and to the right towards the top-left corner of the central white box. Two curved arrows, one on the left and one on the right, point towards the central white box, suggesting a focus or flow towards the center.

FIRST





瀏覽器發出
HTTP Request





DATABASE

Let's start with the first setp





PHPMYADMIN

- Ceate a Database
- Name : guestbook
- utf8_unicode_ci

← 伺服器: 127.0.0.1

資料庫 SQL 狀態 使用者帳號 匯出 匯入

資料庫

建立新資料庫 ?

guestbook utf8_unicode_ci 建立



.ENV FILE

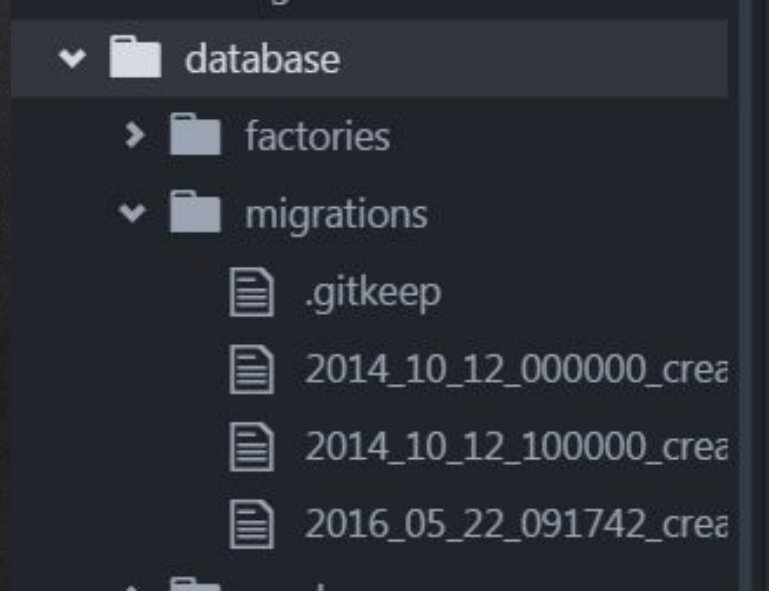
- ❑ DB_DATABASE=guestbook
- ❑ DB_USERNAME=root
- ❑ DB_PASSWORD=

<p>> vendor</p> <p>.env</p> <p>.env.example</p>	<pre>9 DB_DATABASE=guestbook 10 DB_USERNAME=root 11 DB_PASSWORD=</pre>
--	--



MIGRATE

- A Table called messages
- In database/migrations/...



```
$ php artisan make:migration create_messages_table --create=messages
```



MIGRATE

□ `$table->string('body');`

```
public function up()
{
    Schema::create('messages', function (Blueprint $table) {
        $table->increments('id');
        $table->string('body');
        $table->timestamps();
    });
}
```

`$ php artisan migrate`



phpMyAdmin

最近使用 我的最愛

新增

- guestbook
 - 新增
 - messages
 - migrations
 - password_resets
 - users
- information_schema

伺服器: 127.0.0.1 » 資料庫

結構 SQL 搜尋

資料表	動作
<input type="checkbox"/> messages	★ 表
<input type="checkbox"/> migrations	★ 表
<input type="checkbox"/> password_resets	★ 表
<input type="checkbox"/> users	★ 表
4 張資料表	總計

#	名稱	型態
1	id 🔑	int(10)
2	body	varchar(255)
3	created_at	timestamp
4	updated_at	timestamp

2.

MODEL





CREATE MODEL

\$ php artisan make:model Message

- app/Message.php

- protected \$fillable = ['body'];

```
class Message extends Model
{
    protected $fillable = ['body'];
}
```


3.

ROUTE





app/Http/routes.php

- `Route::get('messages', 'MessageController@index');`
- `Route::post('message', 'MessageController@store');`
- `Route::delete('message/{message}', 'MessageController@destroy');`
- `Route::get('messages/{message}', 'MessageController@show');`
- `Route::get('messages/{message}/edit', 'MessageController@edit');`
- `Route::patch('messages/{message}', 'MessageController@update');`

```
Route::get('messages', 'MessageController@index');  
Route::post('message', 'MessageController@store');  
Route::delete('message/{message}', 'MessageController@destroy');  
Route::get('messages/{message}', 'MessageController@show');  
Route::get('messages/{message}/edit', 'MessageController@edit');  
Route::patch('messages/{message}', 'MessageController@update');
```

4.



CONTROLLER & VIEW

Read





MAKE CONTROLLER

```
$ php artisan make:controller MessageController
```

- app/Http/Controllers/MessageController.php
- `Route::get('messages', 'MessageController@index');`

```
Use App\Message;
```

```
public function index()
```

```
{
```

```
    $messages = Message::all();
```

```
    return view('messages.index', [
```

```
        'messages' => $messages,
```

```
    ]);
```

```
}
```

```
use App\Message;|
class MessageController extends Controller
{
    public function index()
    {
        $messages = Message::all();
        return view('messages.index', [
            'messages' => $messages,
        ]);
    }
}
```

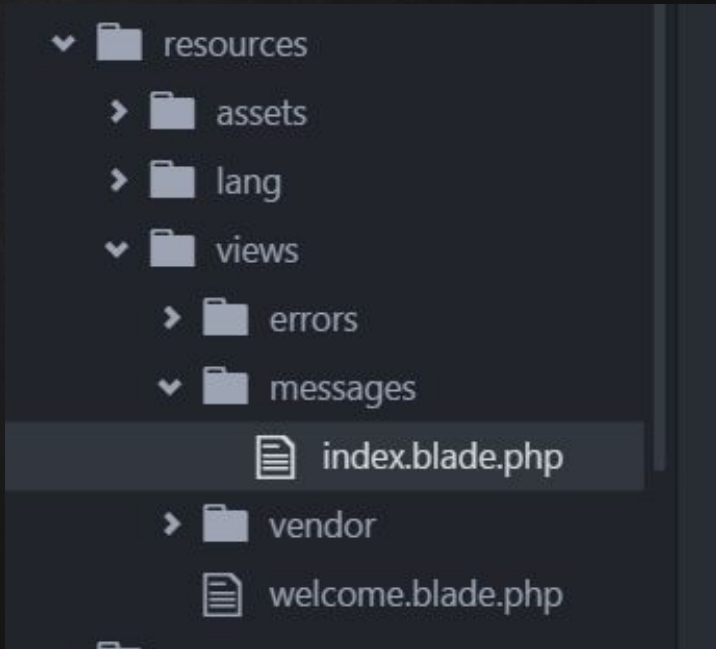
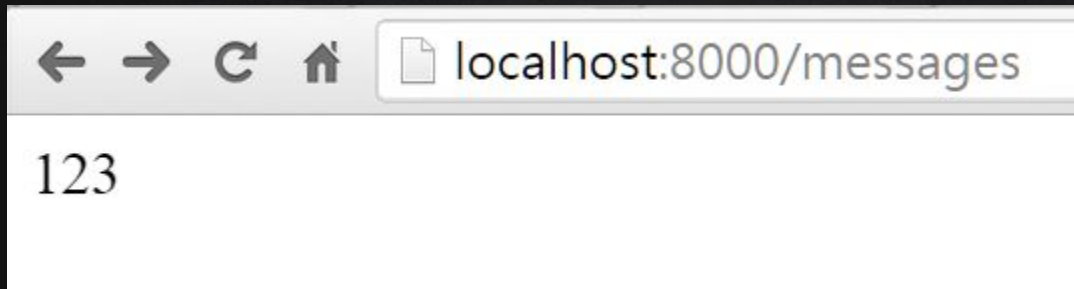


MAKE VIEW

- `resources/views/messages`
- `Index.blade.php`

`$ php artisan serve`

- `localhost:8000/messages`





DISPLAY ALL MESSAGE

- `resources/views/messages/Index.blade.php`
- `@foreach ($messages as $message)`
- `<div>{{ $message->body }}</div>`
- `@endforeach`

`$ php artisan serve`

<div>↔ T ↔</div>				id	body	
<input type="checkbox"/>		編輯	 複製	 刪除	1	test
<input type="checkbox"/>		編輯	 複製	 刪除	2	two

		localhost:8000/messages
test		
two		

```
1 < @foreach ($messages as $message)
2     <div>{{ $message->body }}</div>
3 @endforeach
4 |
```

5.



CONTROLLER & VIEW

Create





CONTROLLER STORE

- `Route::post('message', 'MessageController@store');`
- `public function store(Request $request)`
- `{`
- `$message = new Message;`
- `$message->body = $request->body;`
- `$message->save();`
- `return redirect('messages');`
- `}`

```
18     public function store(Request $request)
19     {
20         $message = new Message;
21         $message->body = $request->body;
22         $message->save();
23         return redirect('messages');
24     }
```



VIEW FORM

- resources/views/messages/Index.blade.php
- <form action="{{ url('message') }}" method="POST">
- {{ csrf_field() }}
- <input type="text" name="body">
- <button type="submit"> □ □ </button>
- </form>

```
1 @foreach ($messages as $message)
2     <div>{{ $message->body }}</div>
3 @endforeach
4 |
5 <form action="{{ url('message') }}" method="POST">
6     {{ csrf_field() }}
7     <input type="text" name="body">
8     <button type="submit">留言</button>
9 </form>
10
```



CREATE MESSAGE

\$ php artisan serve



localhost:8000/messages

test

two

qwe

qqq

留言

6.



CONTROLLER & VIEW

Delete





CONTROLLER Destroy

- `Route::delete('message/{message}', 'MessageController@destroy');`
- `public function destroy(Request $request, Message $message)`
- `{`
- `$message->delete();`
- `return redirect('/messages');`
- `}`

```
public function destroy(Request $request, Message $message)
{
    $message->delete();

    return redirect('/messages');
}
```




VIEW BUTTON

- ❑ resources/views/messages/Index.blade.php
- ❑ <form action="{{ url('message/'.\$message->id) }}" method="POST">
- ❑ {!! csrf_field() !!}
- ❑ {!! method_field('DELETE') !!}
- ❑ <button type="submit" id="delete-message-{{ \$message->id }}">
- ❑ Delete
- ❑ </button>
- ❑ </form>

```
1 @foreach ($messages as $message)
2     <div>{{ $message->body }}</div>
3     <form action="{{ url('message/'.$message->id) }}" method="POST">
4         {!! csrf_field() !!}
5         {!! method_field('DELETE') !!}
6         <button type="submit" id="delete-message-{{ $message->id }}">
7             Delete
8         </button>
9     </form>
10 @endforeach
```




DELETE MESSAGE

\$ php artisan serve

← → ↺ 🏠 📄 localhost:8000/messages

test

Delete

wqewqe

Delete

留言

7.



CONTROLLER & VIEW

Show





CONTROLLER SHOW

- Route::get('messages/{message}', 'MessageController@show');
- public function show(Message \$message)
- {
- return view('messages.show', [
- 'message' => \$message
-]);
- }

```
public function show(Message $message)
{
    return view('messages.show', [
        'message' => $message
    ]);
}
```



URL To VIEW SHOW

□ resources/views/messages/index.blade.php

<div>{{ \$message->body }}</div>□□□

□ id) }}"><div>{{
\$message->body }}</div>

```
1 ▾ @foreach ($messages as $message)
2     <a href="{{ url('messages/' . $message->id) }}"><div>{{ $message->body }}</div></a>
3 ▾ <form action="{{ url('message/' . $message->id) }}" method="POST">
4     {!! csrf_field() !!}
5     {!! method_field('DELETE') !!}
```



VIEW SHOW

- `resources/views/messages/show.blade.php`
- `<div>Content: {{ $message->body }}</div>`
- `<div>Post at: {{ $message->created_at }}</div>`
- `<div>Edit at: {{ $message->updated_at }}</div>`

\$ php artisan serve
Success!

wqewqe

Delete

Content: wqewqe

Post at: 2016-05-22 11:40:35

Edit at: 2016-05-22 11:40:35

8.



CONTROLLER & VIEW

Update





CONTROLLER EDIT

- `Route::get('messages/{message}/edit','MessageController@edit');`
- `public function edit(Message $message)`
- `{`
- `return view('messages.edit', [`
- `'message' => $message`
- `]);`
- `}`

```
public function edit(Message $message)
{
    return view('messages.edit', [
        'message' => $message
    ]);
}
```



URL TO VIEW EDIT

- resources/views/messages/index.blade.php
- <form action="{{ url('messages/'.\$message->id.'/edit') }}" method="GET">
- <button type="submit" id="edit-message-{{ \$message->id }}">
- Edit
- </button>
- </form>

```
1 @foreach ($messages as $message)
2     <a href="{{ url('messages/'.$message->id) }}"><div>{{ $message->body }}</div>
3     <form action="{{ url('messages/'.$message->id.'/edit') }}" method="GET">
4         <button type="submit" id="edit-message-{{ $message->id }}">
5             Edit
6         </button>
7     </form>
8     <form action="{{ url('message/'.$message->id) }}" method="POST">
```



VIEW EDIT

- ❑ resources/views/messages/edit.blade.php
- ❑ <form method="POST" action="{{ url('messages/'.\$message->id) }}">
- ❑ {{ csrf_field() }}
- ❑ {{ method_field('PATCH') }}
- ❑ <textarea name="body">{{ \$message->body }}</textarea>
- ❑ <button type="submit">Update Comment</button>
- ❑ </form>

```
1  <form method="POST" action="{{ url('messages/'.$message->id) }}">
2      {{ csrf_field() }}
3      {{ method_field('PATCH') }}
4      <textarea name="body">{{ $message->body }}</textarea>
5      <button type="submit">Update Comment</button>
6  </form>
```



OK? LET'S GO

\$ php artisan serve

A screenshot of a web browser window. The address bar shows the URL `localhost:8000/messages/5/edit?`. Below the address bar, there is a text input field containing the text `wqewqe`. To the right of the input field is a button labeled `Update Comment`.



CONTROLLER UPDATE

- `Route::patch('messages/{message}', 'MessageController@update');`
- `public function update(Request $request, Message $message)`
- `{`
- `$message->update([`
- `'body' => $request->body`
- `]);`
- `return redirect('/messages');`
- `}`

```
public function update(Request $request, Message $message)
{
    $message->update([
        'body' => $request->body
    ]);
    return redirect('/messages');
}
```




Content: qwEEEEEEEEEEEEEEEEEEEEeqd
Post at: 2016-05-22 12:04:41
Edit at: 2016-05-22 12:11:00



SUCCESS

← → ↺ ⬆ localhost:8000/messages

wqewqe **Show** → Edit, update

Edit

Delete → **destroy**

qwweeeeeeeeeeeeeeeeeeeeeqqqqqqqqqqqqqqqqqqqq

index ← Edit

Delete

← **store**

留言