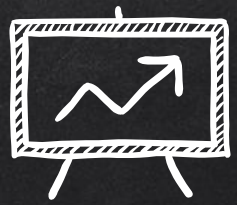


Laravel 5.2

Implementation Easy

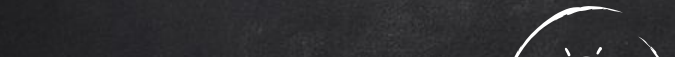
旭 write at 2016/05/22
lovenery@g.ncu.edu.tw

Create Project

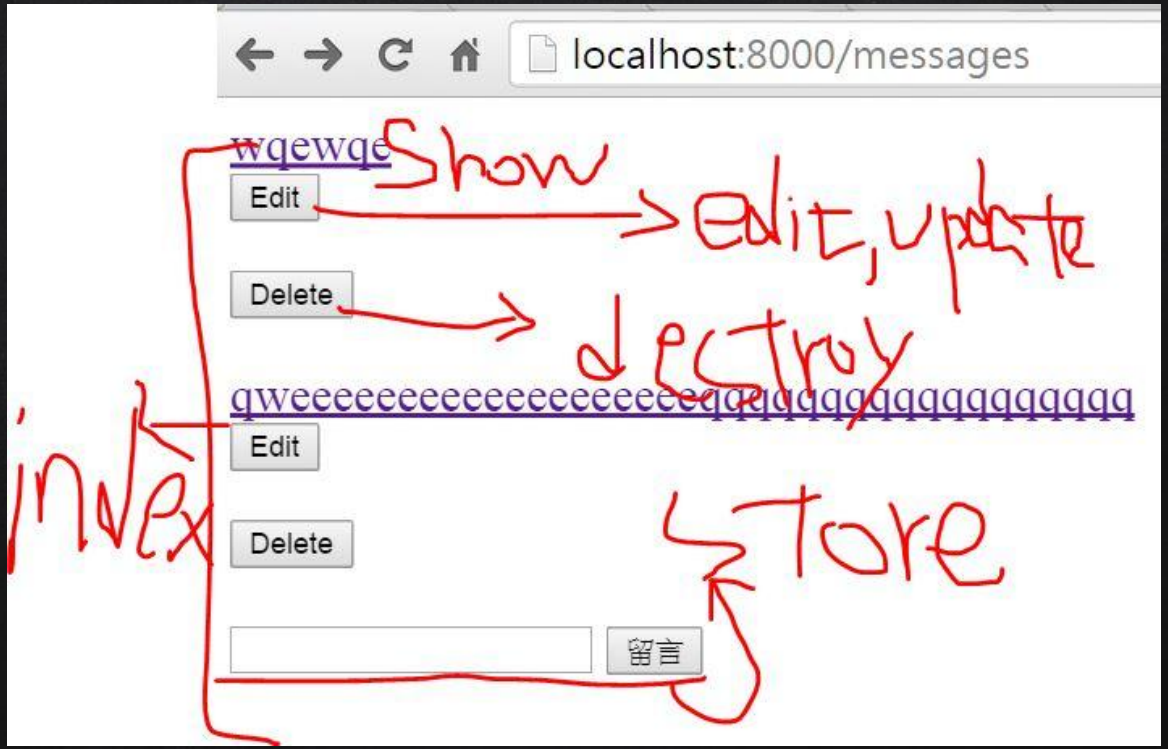
$ composer create-project --prefer-dist laravel/laravel guestbook

$ php artisan serve

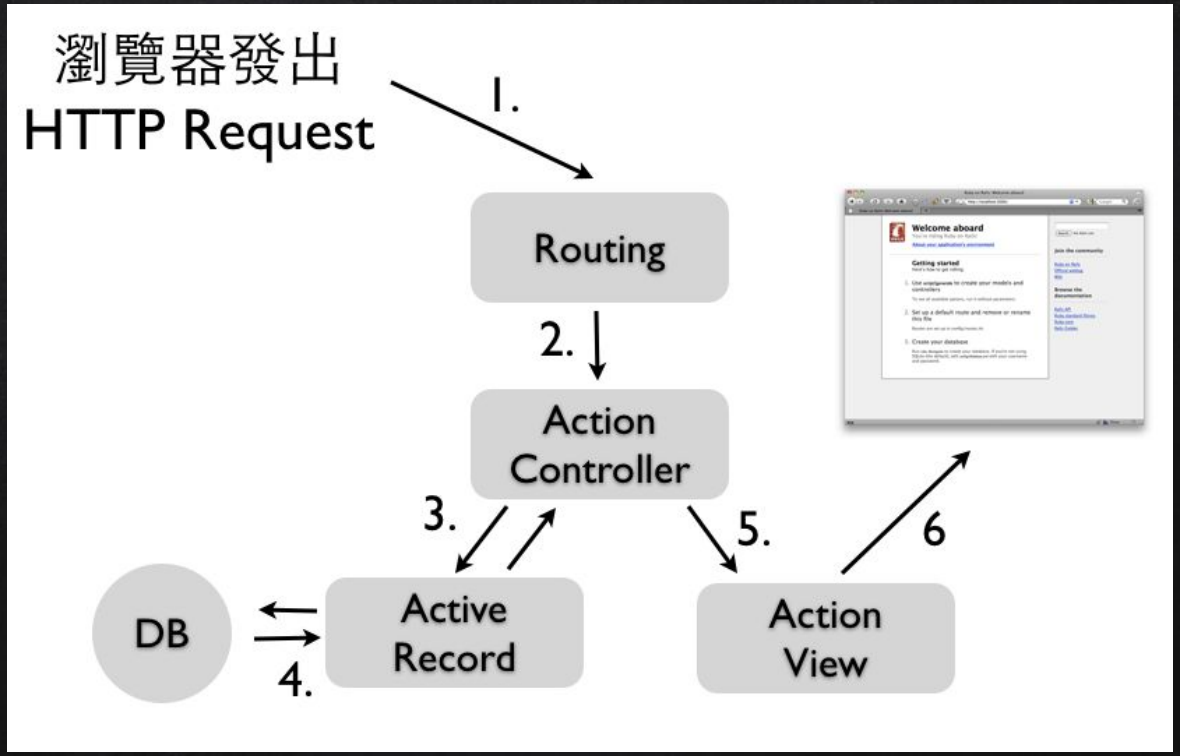
First



Our Goal


localhost:8000/messages
wqewqe
Edit
Delete
qweeeeeeeeeeeeeeeeeeeeqqqqqqqqqqqqqqqqq
Edit
Delete
留言
Show
edit, update
destroy
index
store

MVC


瀏覽器發出
HTTP Request
1.
Routing
2.
Action
Controller
3.
5.
6
DB
4.
Active
Record
Action
View

Database

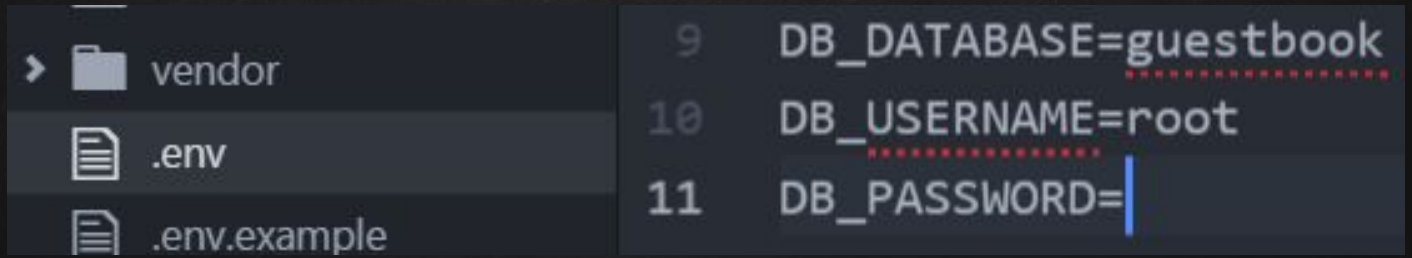
Let's start with the first setp

PHPMYADMIN

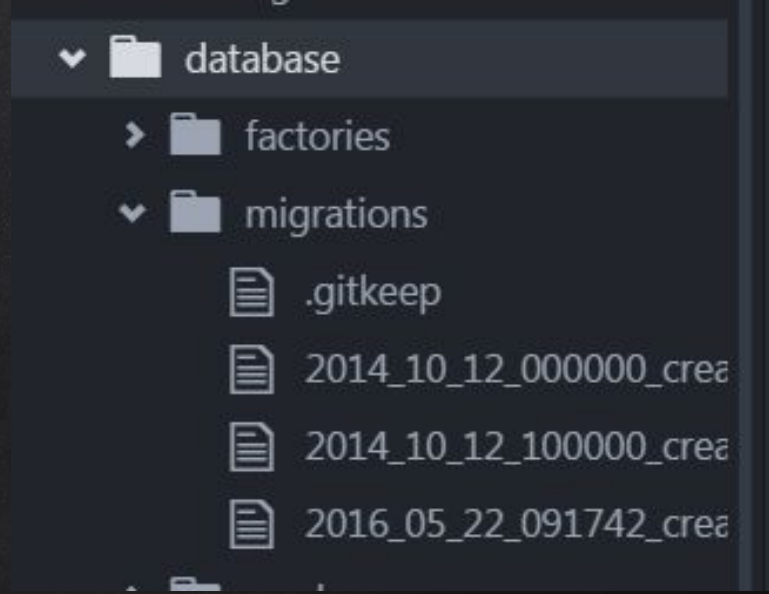
- Ceate a Database
- Name : guestbook
- utf8_unicode_ci

.ENV FILE

- DB_DATABASE=guestbook
- DB_USERNAME=root
- DB_PASSWORD=



Migrate



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

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

Migrate

- $table->string('body');

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

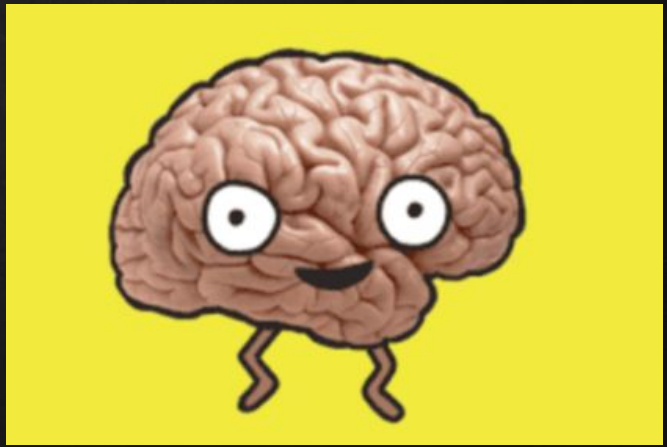
$ php artisan migrate

Success

#	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,
    ]);
}
```

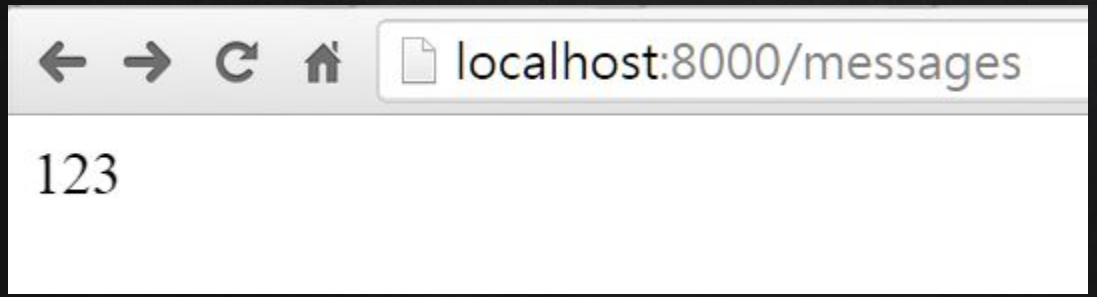
```php
use App\Message;
class MessageController extends Controller
{
    public function index()
    {
        $messages = Message:all();
        return view('messages.index', [
            'messages' => $messages,
        ]);
    }
}
```

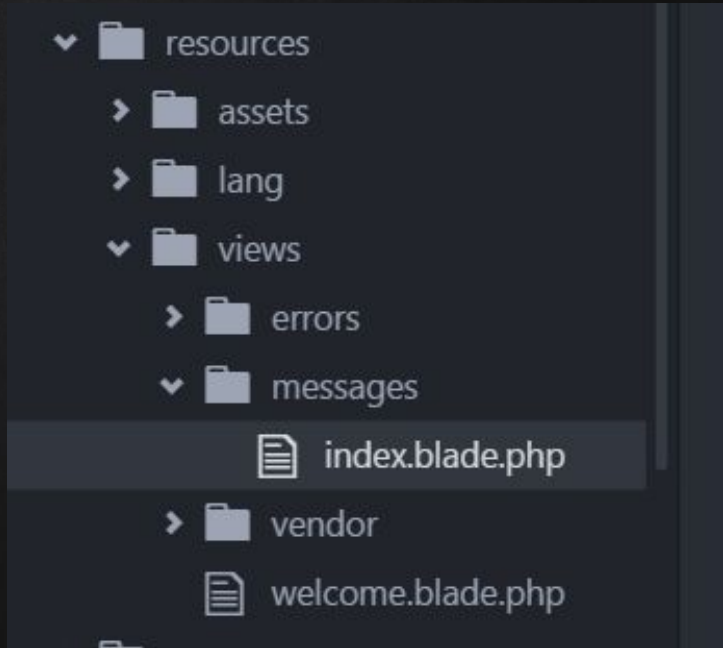
Make View

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

$ php artisan serve

- localhost:8000/messages



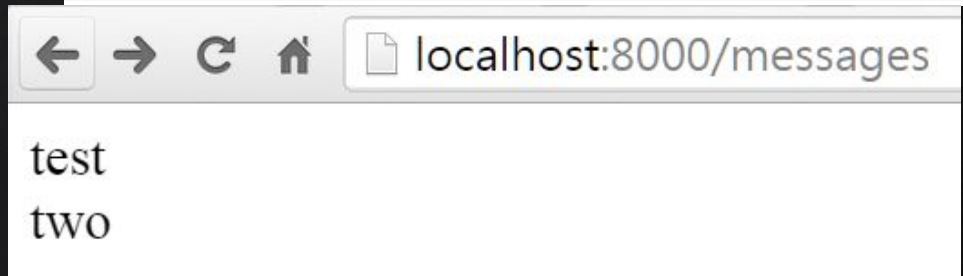


Display All Message

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

$ php artisan serve

```
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

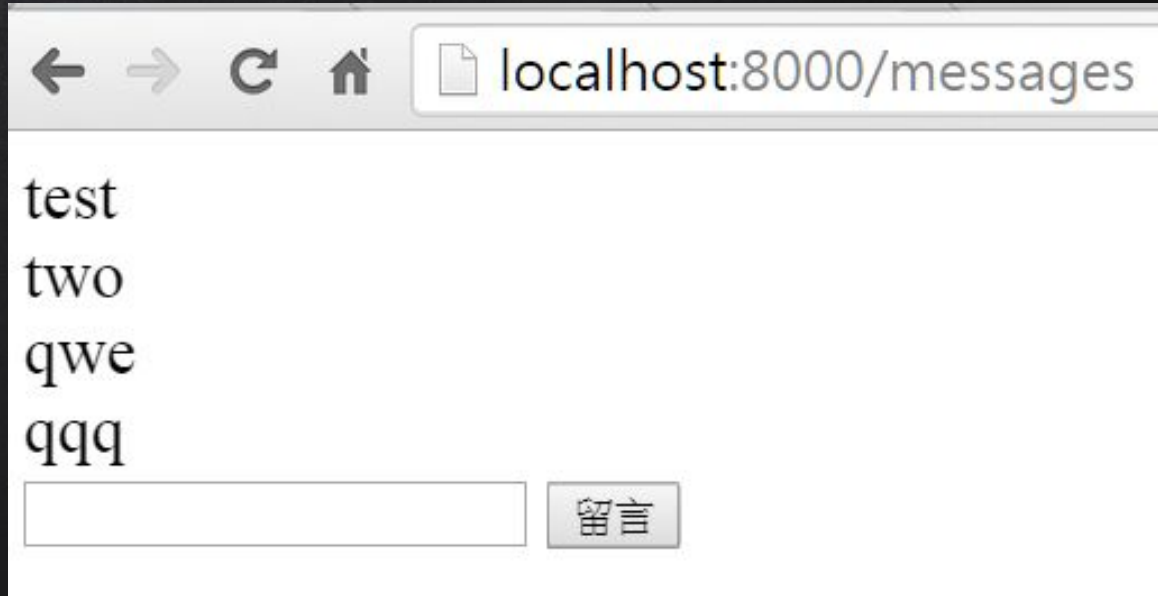
- resources/views/messages/Index.blade.php
- <form action="{{ url('message') }}" method="POST">
- {{ csrf_field() }}
- <input type="text" name="body">
- <button type="submit">□□</button>
- </form>

```
@foreach ($messages as $message)
    <div>{{ $message->body }}</div>
@endforeach

<form action="{{ url('message') }}" method="POST">
    {{ csrf_field() }}
    <input type="text" name="body">
    <button type="submit">留言</button>
</form>
```

Create Message

$ php artisan serve



6.

Controller & View

Delete

Controller Destroy

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

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

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

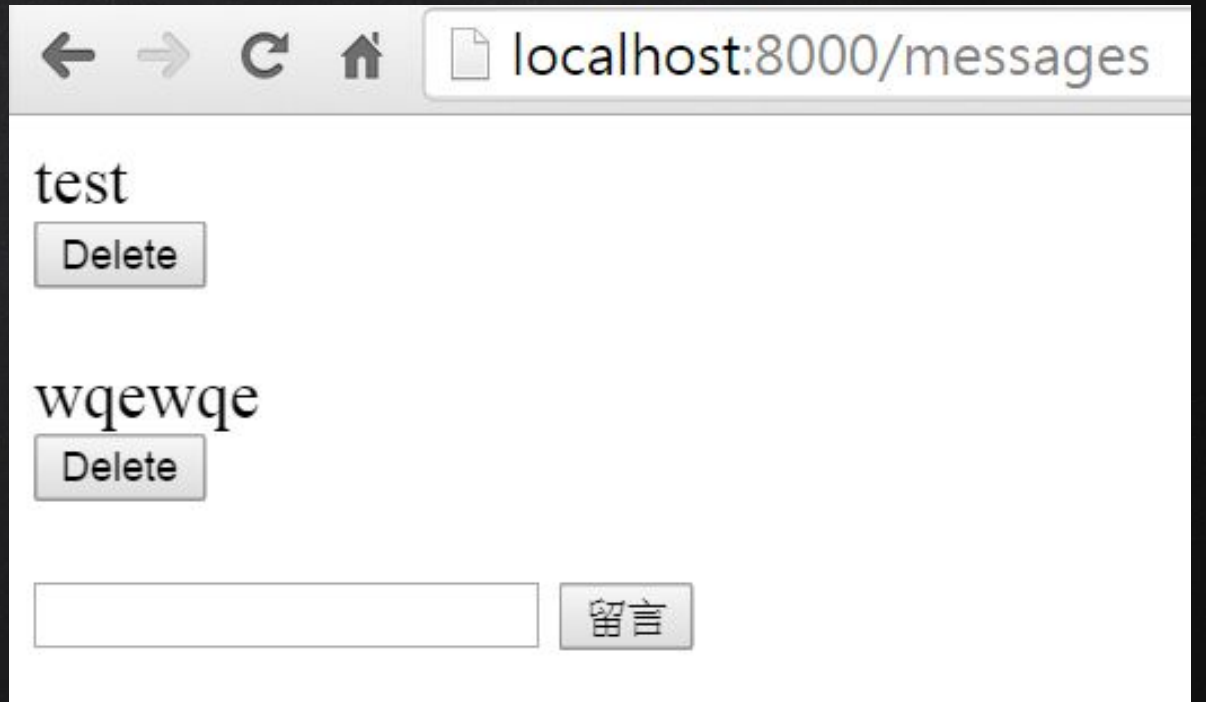
View Button

- 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>

```blade
@foreach ($messages as $message)
    <div>{{ $message->body }}</div>
    <form action="{{ url('message/'.$message->id) }}" method="POST">
        {!! csrf_field() !!}
        {!! method_field('DELETE') !!}
        <button type="submit" id="delete-message-{{ $message->id }}">
          Delete
        </button>
    </form>
@endforeach
```

Delete Message

$ php artisan serve



7.

Controller & View

Show

Controller Show

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

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

URL To View Show

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

{{ $message->body }}

- <a href="{{ url('messages/'.$message->id) }}"> {{ $message->body }} </a>

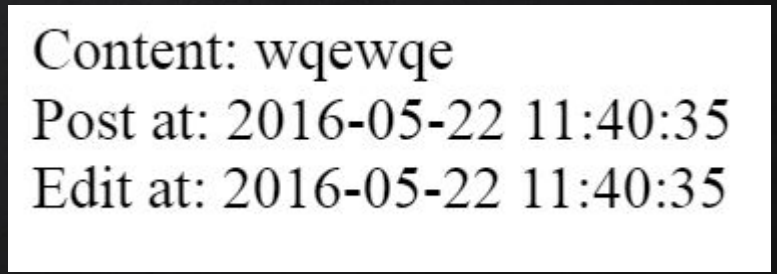
```
1 @foreach ($messages as $message)
2     <a href="{{ url('messages/'.$message->id) }}"><div>{{ $message->body }}</div></a>
3     <form action="{{ url('message/'.$message->id) }}" method="POST">
4         {!! csrf_field() !!}
5         {!! method_field('DELETE') !!}
```

View Show

- resources/views/messages/show.blade.php

- Content: {{ $message->body }}
- Post at: {{ $message->created_at }}
- Edit at: {{ $message->updated_at }}

$ php artisan serve
Success!



Controller & View

Update

Controller Edit

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

```php
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>

```
@foreach ($messages as $message)
    <a href="{{ url('messages/'.$message->id) }}"><div>{{ $message->body }}</di
    <form action="{{ url('messages/'.$message->id.'/edit') }}" method="GET">
        <button type="submit" id="edit-message-{{ $message->id }}">
            Edit
        </button>
    </form>
    <form action="{{ url('message/'.$message->id) }}" method="POST">
```

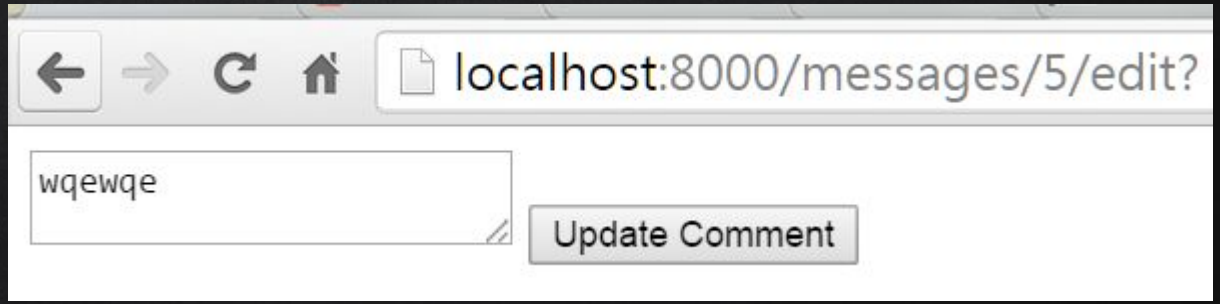
View Edit

- 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



Controller Update

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

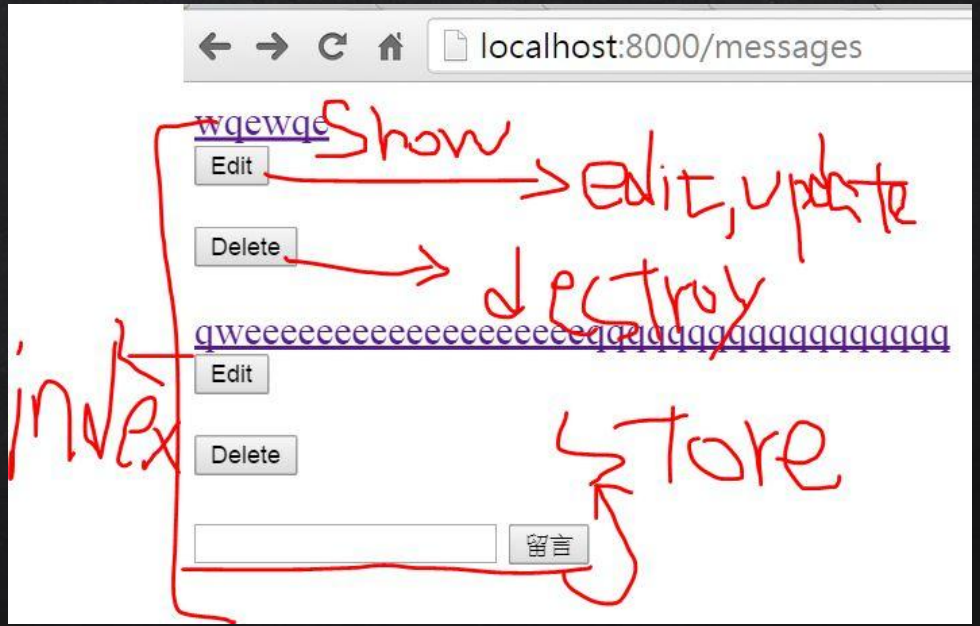
```php
public function update(Request $request, Message $message)
{
    $message->update([
        'body' => $request->body
    ]);
    return redirect('/messages');
}
```

Update Success!

$ php artisan serve

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

Success


localhost:8000/messages
wqewqe
Edit
Delete
qweeeeeeeeeeeeeeeeeeeeqqqqqqqqqqqqqqqqqq
Edit
Delete
留言
Show
edit, update
destroy
index
store