

## Lesson 02: Project Setup

1. `composer create-project --prefer-dist laravel/laravel notebookapp`
2. `php artisan serve`

## Lesson 03: About Routes

```
routes/web.php
Route::get('home/{name}/office/{location}', function($name, $location){
    if($name=="dad"){
        echo "ha~";
    }
    return $name . " office is here " . $location;
});
```

## Lesson 04: Basic workflow and setting basic layout

1. `php artisan make:controller TestController`

```
routes/web.php
Route::get('home/{name}/office/{location}', 'TestController@test');
```

```
TestController.php
public function test($name, $location){
    return $name . " office is here " . $location;
}
```

2. 新增一個view `frontpage.blade.php`, 把範本的index.html code貼上儲存

3. 建立route

```
Route::get('/', function () {
    return view('frontpage');
});
```

4. 把dist檔案複製到public資料夾底下

5. 在frontpage.blade.php修改路徑

```
<link rel="stylesheet" href="{{asset('dist/css/main.css')}}">
<link rel="stylesheet" href="{{asset('dist/css/bootstrap.css')}}">
<script src="{{asset('dist/js/jquery3.min.js')}}"></script>
<script src="{{asset('dist/js/bootstrap.js')}}"></script>
```

6. 在view資料夾底下新增notebooks和notes兩個資料夾

7. 在notebooks資料夾新增index.blade.php

8. 把範本的notebooks.html code貼到剛剛的index.blade.php

11. 到NotebooksController.php 顯示全部 notebook ( Controller)  
use App\Notebook;

```
class NotebooksController extends Controller
{
    public function index(){
        $notebooks = Notebook::all();
        //return $notebooks;
        return view('notebooks.index', compact('notebooks'));
    }
}
```

12. 到notebooks/index.blade.php把三個同樣的notebook code <!-- notebook1 -->刪掉

@foreach(\$notebooks as \$notebook) 顯示全部 notebook (view)

```
<div class="col-sm-6 col-md-3">
    <div class="card">
        <div class="card-block">
            <a href="#">
                <h4 class="card-title">
                    {{$notebook->name}}
                </h4>
            </a>
        </div>
        <a href="#">
            
        </a>
        <div class="card-block">
            <a class="card-link" href="#">
                Edit Notebook
            </a>
            <form action="#" class="pull-xs-right5 card-link" method="POST"
style="display:inline">
                <input class="btn btn-sm btn-danger" type="submit" value="Delete">
            </input>
            </form>
        </div>
    </div>
</div>
</div>
@endforeach
```

```

<!-- ===== Notebooks===== -->
<!-- notebook1 -->
@foreach($notebooks as $notebook)

<div class="col-sm-6 col-md-3">
    <div class="card">
        <div class="card-block">
            <a href="#">
                <h4 class="card-title">
                    {{$notebook->name}}
                </h4>
            </a>
        </div>
        <a href="#">
            
        </a>
        <div class="card-block">
            <a class="card-link" href="#">
                Edit Notebook
            </a>
            <form action="#" class="pull-xs-right5 card-link" method="POST"
style="display:inline">
                <input class="btn btn-sm btn-danger" type="submit" value="Delete">
            </input>
        </form>
        </div>
    </div>
</div>

@endforeach

```

```

</div>
<!-- /container -->
@endsection

```

---

```

6. 在NotebooksController.php
public function create(){
    return view('notebooks.create');
}

```

新增 notebook (controller)  
show the create task form

---

```

7. 在viw\notebooks\底下新增create.blade.php

```

```

8. 在routes\web.php
Route::get('/notebooks/create', 'NotebooksController@create');

```

新增 notebook (route)



7. NotebooksController.php 看URL是否正確，如果正確改成redirect

```
public function store(Request $request){  
    $dataInput = $request->all();  
    Notebook::create($dataInput);
```

儲存新增 notebook (Controller)

```
    //return url('/notebooks');  
    return redirect('/notebooks');  
}
```

### Lesson 08: Updating and Deleting Notebook

編輯 notebook (route)

1. 在 routes/web.php

```
Route::get('/notebooks/{notebooks}', 'NotebooksController@edit');
```

2. NotebooksController.php

```
public function edit($id){  
    $notebook = Notebook::where('id', $id)->first();  
    return $notebook;  
}
```

編輯 notebook (Controller)

3. 在 notebook/index.blade.php 修改 edit notebook 的連結

```
<a class="card-link" href="/notebooks/{{$notebook->id}}">  
    Edit Notebook  
</a>
```

顯示全部 notebook

修改 "編輯 notebook" link (view)

4. NotebooksController.php

```
public function edit($id){  
    $notebook = Notebook::where('id', $id)->first();  
    return view('notebooks.edit')->with('notebook', $notebook);  
}
```

編輯 notebook (Controller)

5. 在 notebooks 底下新增 edit.blade.php，把 create.blade.php 中的 code 複製過去，把標題改成 Edit Notebook

修改 notebook (view)

6. routes/web.php

```
Route::put('/notebooks/{notebooks}', 'NotebooksController@update');
```

修改 notebook (route)

7. NotebooksController.php

```
public function update(Request $request, $id){  
    $notebook = Notebook::where('id', $id)->first();  
    $notebook->update($request->all());  
    return redirect('/notebooks');  
}
```

修改 notebook (Controller)

表單送出後

## Lesson 09: User Authentication and Eloquent Relationship

1.

routes/web.php

```
Route::get('/notebooks', 'NotebooksController@index')->name('notebooks.index');
```

或者

```
Route::get('/notebooks', ['as' => 'notebooks.index', 'uses' =>
'NotebooksController@index']);
```

是一樣的意思

frontpage.blade.php

```
<a class="btn btn-lg btn-primary" href="{{route('notebooks.index')}}" role="button">Your
NoteBooks</a>
```

2. `php artisan make:auth`

3. `php artisan route:list`

4. 在 User.php

```
public function notebooks(){
    return $this->hasMany(Notebook::class);
}
```

5. 2016\_12\_01\_130126\_create\_notebooks\_table.php

```
Schema::create('notebooks', function (Blueprint $table) {
    $table->increments('id');
    $table->integer('user_id');
    $table->string('name');
    $table->timestamps();
});
```

6. `php artisan migrate:refresh`

7. NotebooksController.php

use Illuminate\Support\Facades\Auth;

```
public function index(){
    //$notebooks = Notebook::all();
    $user = Auth::user();
    $notebooks = $user->notebooks; //對應到User.php的notebooks function
    return view('notebooks.index', compact('notebooks'));
}
```

show all tasks



```
Route::group(['middleware' => 'auth'], function(){
    Route::get('/', function() {
```

9.

## 10. base.blade.php

11. base.blade.php 把步驟10的黑體字替換成下面 (可以到app.blade.php去複製code)

```
<a style="color:white" href="{{ url('/register') }}">
```

3. index.blade.php

```
<a class="card-link" href="{{route('notebooks.edit', $notebook->id)}}">
    Edit Notebook
</a>
```

4. `php artisan make:model Note -m`

把note model和migration一起建立了

5. 2016\_12\_02\_094542\_create\_notes\_table.php

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

6. Note.php

class Note extends Model

```
{
    protected $fillable = ['title', 'body'];
}
```

7. `php artisan migrate`

8. Note.php

class Note extends Model

```
{
    protected $fillable = ['title', 'body'];

    public function notebook(){
        return $this->belongsTo(Notebook::class);
    }
}
```

9. Notebook.php

class Notebook extends Model

```
{
    protected $fillable = ['name'];
    public function notes(){
        return $this->hasMany(Note::class);
    }
}
```



});

#### 17. php artisan route:list

18. notes/index.blade.php

```
<a class="btn btn-primary" href="{{route('notes.createNote', $notebook->id)}}"  
role="button">  
    New Note +  
</a>
```

19. NotesController.php

```
public function show($id){  
    $notebook = Notebook::findOrFail($id);  
    $notes = $notebook->notes;  
    return view('notes.index', compact('notes', 'notebook'));  
}
```

notes  
show one task (controller)

20. routes/web.php

```
Route::get('notes/{notebookId}/createNote',  
'NotesController@createNote')->name('notes.createNote');
```

新增 note (route)

21. NotesController.php

```
public function createNote($notebookId){  
    return view('notes.create')->with('id', $notebookId);  
}
```

新增 note (controller)

22. notes新增create.blade.php

23. 複製notebooks/create.blade.php code到notes/create.blade.php  
修改h1標題

```
<form action="{{route('notes.store')}}" method="POST">  
<div class="form-group">
```

```
    <label for="title">Notes Title</label>
```

```
    <input class="form-control" type="text" name="title">
```

```
</div>
```

```
<div class="form-group">
```

```
    <label for="body">Notes Body</label>
```

```
    <input class="form-control" type="text" name="body">
```

```
</div>
```

```
<input class="btn btn-primary" type="submit" value="Done">
```

新增 note (view)



select all ( index()  
select one ( show()

show all tasks

show one task show() → detail page  
(C) (V)

insert ( create()  
store()

show the create task form

Accept form submission from the create task form

create() → create form → store()  
(C) (V) (C)

update ( edit()  
update()

Edit one task

Accept form submission from the <sup>task</sup>edit form

edit() → edit form → update()  
(C) (V) (C)

delete ( destroy()

Delete one task