

This Cheat-Sheet belongs to the Laravel-Beginner-Course on Udemey:  
<https://www.udemy.com/course/laravel-7-for-beginners-practical-course>

## Laravel REST CRUD Cheat Sheet

### 1. Create Model, Controller, Migration, Faker, Seeder

php artisan make:model [Model] -a [Course Lecture >](#)

### 2. Fill in Migration File and let it run with php artisan migrate [Course Lecture >](#)

### 3. Create resource route in /routes/web.php (Example for Model "Hobby") [Course Lecture >](#)

`Route::resource('hobby', 'HobbyController');`

### 4. Index-Function > Display all records [Course Lecture >](#)

<b>Frontend:</b> <i>index.blade.php</i> <code>@foreach(\$hobbies as \$hobby)</code> <code>{{ \$hobby-&gt;name }}</code> ... <code>@endforeach</code>	<b>Controller</b> <code>public function index(){</code> <code>\$hobbies = Hobby::all();</code> <code>return view('hobby.index')-&gt;with([</code> <code>'hobbies' =&gt; \$hobbies</code> <code>]);</code> <code>}</code>
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### 5. Create-Function > Display Form for new records [Course Lecture >](#)

<b>Frontend:</b> <i>create.blade.php</i> <code>&lt;form action="/hobby" method="post"&gt;</code> <code>@csrf</code> ... <code>&lt;input type="text" name="name"</code> <code>value="{{old('name')}}"&gt;</code> ...	<b>Controller</b> <code>public function create()</code> <code>{</code> <code>return view('hobby.create');</code> <code>}</code>
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### 6. Store-Function > Add new record in database table [Course Lecture >](#)

<div>Validation</div> <div>New Instance</div> <div>Persist in Database</div> <div>Forward to Overview page</div> <div>...with success message</div>	<b>Controller</b> <code>public function store(Request \$request){</code> <code>\$request-&gt;validate([</code> <code>'name' =&gt; 'required min:3',</code> ... <code>]);</code> <code>\$hobby = new Hobby([</code> <code>'name' =&gt; \$request['name'],</code> ... <code>]);</code> <code>\$hobby-&gt;save();</code> <code>return \$this-&gt;index()-&gt;with([</code> <code>[</code> <code>'message_success' =&gt; "The hobby &lt;b&gt;" .</code> <code>\$hobby-&gt;name . "&lt;/b&gt; was created."</code> <code>]</code> <code>);</code> <code>}</code>
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## 7. Show-Function > Show Details of one record [Course Lecture >](#)

<b>Frontend: <i>show.blade.php</i></b> <pre>&lt;div class="card-header"&gt;Hobby Detail&lt;/div&gt; &lt;div class="card-body"&gt;   &lt;b&gt;{{ \$hobby-&gt;name }}&lt;/b&gt;   &lt;p&gt;{{ \$hobby-&gt;description }}&lt;/p&gt; &lt;/div&gt;</pre>	<b>Controller</b> <pre>public function show(Hobby \$hobby){   return view('hobby.show')-&gt;with([     'hobby' =&gt; \$hobby   ]); }</pre>
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## 9. Update-Function > Update resource [Course Lecture >](#)

<p>Validation</p> <p>Overwrite record in database</p> <p>Forward to Overview page</p> <p>...with success message</p>	<b>Controller</b> <pre>public function update(Request \$request, Hobby \$hobby) {   \$request-&gt;validate([     'name' =&gt; 'required min:3',     'description' =&gt; 'required min:5',   ]);   \$hobby-&gt;update([     'name' =&gt; \$request['name'],     'description' =&gt; \$request['description'],   ]);   return \$this-&gt;index()-&gt;with([     [       'message_success' =&gt; "The hobby &lt;b&gt;" . \$hobby-&gt;name . "&lt;/b&gt; was updated."     ]   ]); }</pre>
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## 10. Destroy-Function > Delete a record [Course Lecture >](#)

<b>Frontend (in index.blade.php)</b> <pre>&lt;form class="float-right" style="display: inline" action="/hobby/{{ \$hobby-&gt;id }}" method="post"&gt;   @csrf   @method("DELETE")   &lt;input class="btn btn-sm btn-outline-danger" type="submit" value="Delete"&gt; &lt;/form&gt;</pre>	<b>Controller</b> <pre>public function destroy(Hobby \$hobby){   \$oldName = \$hobby-&gt;name; // Store old name for message   \$hobby-&gt;delete();   return \$this-&gt;index()-&gt;with([     [       'message_success' =&gt; "The hobby &lt;b&gt;" . \$oldName . "&lt;/b&gt; was deleted."     ]   ]); }</pre>
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**Validation** [Course Lecture >](#)

**Display all validation errors** [Course Lecture >](#)

**Work with single validation errors** [Course Lecture >](#)

**Work with success messages** [Course Lecture >](#)