

Taula Tasks

Primerament vaig tindre que crear una migració per a la taula de “tasks” utilitzant la comanda “php artisan make_migration create_tasks_table”.

```
alumne@svyatoslav:~$ cd laravelApp/
alumne@svyatoslav:~/laravelApp$ php artisan make_migration create_tasks_table

Command "make_migration" is not defined.

Do you want to run "make:migration" instead? (yes/no) [no]:
> yes

[INFO] Migration [database/migrations/2024_01_08_160812_create_tasks_table.php] created successfully.
alumne@svyatoslav:~/laravelApp$
```

Dins, vaig tindre que crear els camps “id”, “name”, “description”, “completed” i “timestamps”:

```
M+ README.md  php 2024_01_08_160812_create_tasks_table.php x
1  <?php
2
3  > use ...
6
7  return new class extends Migration
8  {
9      /**
10       * Run the migrations.
11       */
12       public function up(): void
13       {
14           Schema::create(table: 'tasks', function (Blueprint $table) {
15               $table->id();
16               $table->string(column: 'name');
17               $table->string(column: 'description');
18               $table->string(column: 'completed')->default(value: false);
19               $table->timestamps();
20           });
21       }
22
23       /**
24        * Reverse the migrations.
25        */
26       public function down(): void
27       {
28           Schema::dropIfExists(table: 'tasks');
29       }
30 };
31
```

Model

Aquí me va ser necessari crear el model amb la comanda “php artisan make:model task”;

```
alunne@svyatoslav:~/laravelApp$ php artisan make:model Task  
  
INFO Model [app/Models/Task.php] created successfully.  
alunne@svyatoslav:~/laravelApp$
```

Aquest és el contingut del fitxer “task.php”:

```
M+ README.md  Task.php x  
1  <?php  
2  
3  namespace App\Models;  
4  
5  > use ...  
6  
7  
8  no usages  
9  class Task extends Model  
10 {  
11     use HasFactory;  
12  
13     no usages  
14     protected $visible = [  
15         'id'  
16     ];  
17     no usages  
18     protected $fillable = [  
19         'name',  
20         'description',  
21         'completed',  
22     ];  
23 }  
24
```

Controlador

Aquí vaig fer una altre “php artisan” per a crear-hi el controlador TaskController:

```
alunne@svyatoslav:~/laravelApp$ php artisan make:controller TaskController  
  
INFO Controller [app/Http/Controllers/TaskController.php] created successfully.  
alunne@svyatoslav:~/laravelApp$
```

Aquest és el contingut del fitxer:

```
M+ README.md  TaskController.php x  
1  <?php  
2  
3  namespace App\Http\Controllers;  
4  
5  use App\Models\Task;  
6  use Illuminate\Http\Request;  
7  
8  no usages  
9  class TaskController extends Controller  
10 {  
11     no usages  
12     public function index()  
13     {  
14         return view('tasks', [  
15             'tasks' => Task::all()  
16         ]);  
17     }  
18 }  
19
```

Factory

També, me va ser necessari crear el fitxer “TaskFactory”:

```
alume@svyatoslav:~/laravelApp$ php artisan make:factory TaskFactory  
  
INFO Factory [database/factories/TaskFactory.php] created successfully.  
  
alume@svyatoslav:~/laravelApp$
```

A continuació està la captura del contingut del fitxer:

```
M+ README.md  TaskFactory.php x  
1  <?php  
2  
3  namespace Database\Factories;  
4  
5  use Illuminate\Database\Eloquent\Factories\Factory;  
6  
7  /**  
8   * @extends \Illuminate\Database\Eloquent\Factories\Factory<\App\Models\Task>  
9   */  
10 no usages  
11 class TaskFactory extends Factory  
12 {  
13     /**  
14      * Define the model's default state.  
15      *  
16      * @return array<string, mixed>  
17      */  
18     no usages  
19     public function definition(): array  
20     {  
21         return [  
22             'name' => $this->faker->paragraph,  
23             'description' => $this->faker->paragraph,  
24             'completed' => $this->faker->boolean,  
25         ];  
26     }  
27 }
```

Seed

Per a crear registres de forma automàtica, vaig tindre que escriure lo següent:

```
sleshuck *  
public function run(): void  
{  
    \App\Models\User::factory(count: 5)->create();  
    \App\Models\Task::factory(count: 5)->create();  
}
```

Després, vaig utilitzar la comanda “php artisan migrate --seed” per a afegir-hi els registres de forma automàtica:

```

alumne@svyatoslav:~/laravelApp$ php artisan migrate --seed

  INFO  Preparing database.

Creating migration table ..... 204ms DONE

  INFO  Running migrations.

2014_10_12_000000_create_users_table ..... 7ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 3ms DONE
2014_10_12_200000_add_two_factor_columns_to_users_table ..... 338ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 7ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 345ms DONE
2023_12_11_162454_create_sessions_table ..... 10ms DONE
2024_01_08_160812_create_tasks_table ..... 3ms DONE

  INFO  Seeding database.

alumne@svyatoslav:~/laravelApp$

```

Aquí es crearíen els registres:

```

alumne@svyatoslav:~/laravelApp$ php artisan migrate --seed

  INFO  Nothing to migrate.

  INFO  Seeding database.

alumne@svyatoslav:~/laravelApp$

```

Després dels inserts, vaig comprovar si les taules els havien rebut o no, com es pot observar, si que els han rebut:

The screenshot shows a database management interface with a table containing 5 rows of data. The table has columns for id, name, description, and completed. The data is as follows:

id	name	description	completed
1	1 Expedita nihil qui laudantium aut harum ea delectus alia...	Occaecati assumenda hic et voluptatem dolores. Velit occ...	1
2	2 Et impedit quo ducimus vero expedita modi et. Deserunt c...	Reiciendis quo voluptatem ipsam voluptatem ipsam. Reicie...	1
3	3 Repellat vitae quia maiores aut earum necessitatibus. Co...	Corporis sapiente qui est amet laborum ducimus omnis qui...	0
4	4 Sit consequuntur voluptas delectus qui. Natus ipsum culp...	Libero similique itaque corporis consectetur sunt ut ex...	0
5	5 Id iusto dolores omnis voluptatem eos odit optio. Volupt...	Deserunt facilis amet et repellat. Et rerum eligendi ist...	0

```

→ laravelApp git:(main) ✕ php artisan migrate

  WARN  The SQLite database does not exist: database/database.sqlite.

Would you like to create it? 
Yes

  INFO  Preparing database.

Creating migration table ..... 231ms DONE

  INFO  Running migrations.

2014_10_12_000000_create_users_table ..... 9ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 3ms DONE
2014_10_12_200000_add_two_factor_columns_to_users_table ..... 7ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 11ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 14ms DONE
2023_12_11_162454_create_sessions_table ..... 240ms DONE
2024_01_08_160812_create_tasks_table ..... 3ms DONE

```

View

Aquí vaig crear la vista “tasks”

```
alumn@svyatoslav:~/laravelApp$ php artisan make:view tasks  
  
INFO View [resources/views/tasks.blade.php] created successfully.  
alumn@svyatoslav:~/laravelApp$
```

Bucle a taula tasks

Després de copiar el contingut del fitxer “users” dins de “tasks” vaig tindre que crear/cambiar el bucle que hi havia, per “tasks”:

```
@foreach($tasks as $task)  
    <tr class="even:bg-gray-50">  
        <td class="whitespace-nowrap py-4 pl-4 pr-3 text-sm font-medium text-gray-900 sm:pl-3">{{ $task->id }}</td>  
        <td class="whitespace-nowrap px-3 py-4 text-sm text-gray-500">{{ $task->name }}</td>  
        <td class="whitespace-nowrap px-3 py-4 text-sm text-gray-500">{{ $task->email }}</td>  
    </tr>  
@endforeach
```

Després, vaig tindre que afegir una nova ruta per a retornar la vista tasks:

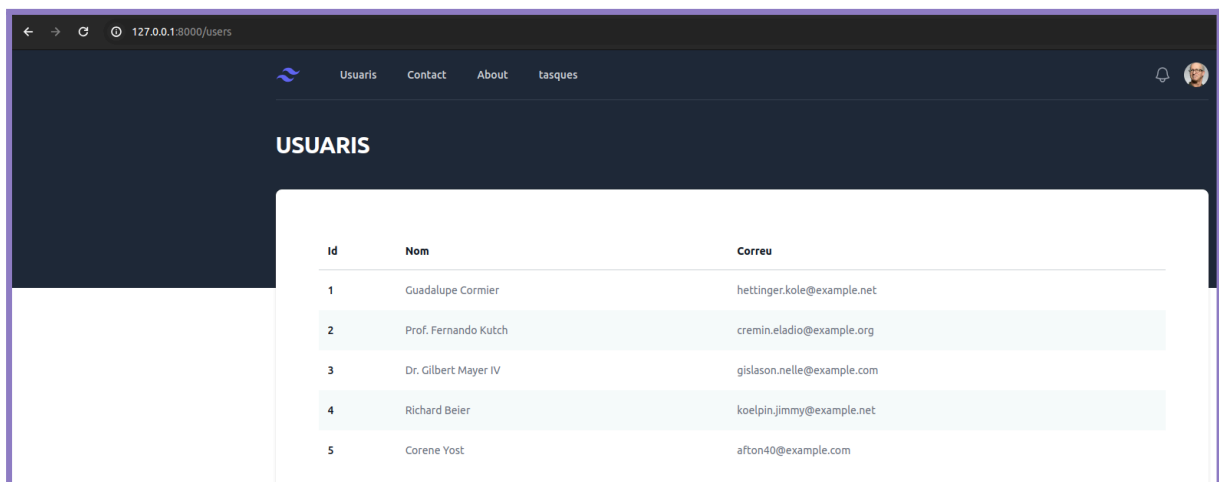
```
Route::get('uri: '/tasks',[\App\Http\Controllers\TaskController::class,'index']);
```

Layout

```
<div class="hidden md:block">  
    <div class="ml-10 flex items-baseline space-x-4">  
        <!-- Current: "bg-gray-900 text-white", Default: "text-gray-300 hover:bg-gray-700 hover:text-white" -->  
        <a href="/users" class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">Usuarios</a>  
        <a href="/contact" class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">Contact</a>  
        <a href="/about" class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">About</a>  
        <a href="/tasks" class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">tasks</a>  
    </div>  
</div>
```

Resultat

I així és com quedaria el resultat final:



Id	Nom	Correu
1	Guadalupe Cormier	hettinger.kole@example.net
2	Prof. Fernando Kutch	cremin.eladio@example.org
3	Dr. Gilbert Mayer IV	gislason.nelle@example.com
4	Richard Beier	koelpin.jimmy@example.net
5	Corene Yost	afton40@example.com