

TASKS

Primer creem el fitxer de migració per a la taula tasks

```
~/laravelApp c main
php artisan make:migration create_tasks_tables

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_163557_create_tasks_tables.php] created successfully.
```

Dintre creem els camps name, description, completed i timestamps

```
DatabaseSeeder.php  tasks  console  php 2024_01_08_163557_create_tasks_tables.php x ⌵ ⋮

1  <?php
2
3  > use ...
4
5
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->boolean( 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_tables');
29     }
30 };
31
```

MODEL

Creem el model de task

```
~/laravelApp  P main ?1
php artisan make:model Task

INFO Model [app/Models/Task.php] created successfully.

~/laravelApp  P main ?2
```

Afegim el camp id, name, description i completed

```
M4 README.md .env console php 2024_01_08_163557_create_tasks_tables.php Task.php x
1 <?php
2
3 namespace App\Models;
4
5 > use ...
6
7 no usages
8 class Task extends Model
9 {
10     use HasFactory;
11
12     no usages
13     protected $visible = [
14         'id'
15     ];
16
17     no usages
18     protected $fillable = [
19         'name',
20         'description',
21         'completed',
22     ];
23 }
```

CONTROLADOR

Creem el controlador TaskController

```
~/laravelApp  P main ?2
php artisan make:controller TaskController

INFO Controller [app/Http/Controllers/TaskController.php] created successfully.
```

Crearem un return que crida a la variable tasks i la retorna

```
TaskController.php x
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Task;
6  use Illuminate\Http\Request;
7
8  class TaskController extends Controller
9  {
10     public function index()
11     {
12         return view('tasks', [
13             'tasks' => Task::all()
14         ]);
15     }
16 }
17
```

FACTORY

Creem el fitxer TaskFactory

```
~/laravelApp main ?3
php artisan make:factory TaskFactory

INFO Factory [database/factories/TaskFactory.php] created successfully.
```

A dins de la funció faig un return dels camps que vull, en aquest cas name, description i completed

```

<?php

namespace Database\Factories;

use Illuminate\Database\Eloquent\Factories\Factory;

/**
 * @extends \Illuminate\Database\Eloquent\Factories\Factory<\App\Models\Task>
 */
no usages
class TaskFactory extends Factory
{
    /**
     * Define the model's default state.
     *
     * @return array<string, mixed>
     */
    no usages
    public function definition(): array
    {
        return [
            'name' => $this->faker->name(),
            'description' => $this->faker->paragraph,
            'completed' => $this->faker->boolean,
        ];
    }
}

```

Ara crearem un registre manual per als seeders

```

DatabaseSeeder.php x tasks console php 2024_01_08_163557_create_tasks_tables.php
1 <?php
2
3 namespace Database\Seeders;
4
5 // use Illuminate\Database\Console\Seeds\WithoutModelEvents;
6 use Illuminate\Database\Seeder;
7
8 no usages DatabaseSeeder
9 class DatabaseSeeder extends Seeder
10 {
11     /**
12      * Seed the application's database.
13      */
14     public function run(): void
15     {
16         \App\Models\User::factory( count: 5)->create();
17         \App\Models\Task::factory( count: 5)->create();
18         // \App\Models\Task::factory()->create([
19         //     'name' => 'Tasca 1',
20         //     'description' => 'tasca PHP',
21         //     'completed' => true,
22         // ]);
23     }
24 }

```

Ara afegirem els registres de forma automàtica.

```
php artisan migrate:fresh --seed

Dropping all tables ..... 5ms DONE

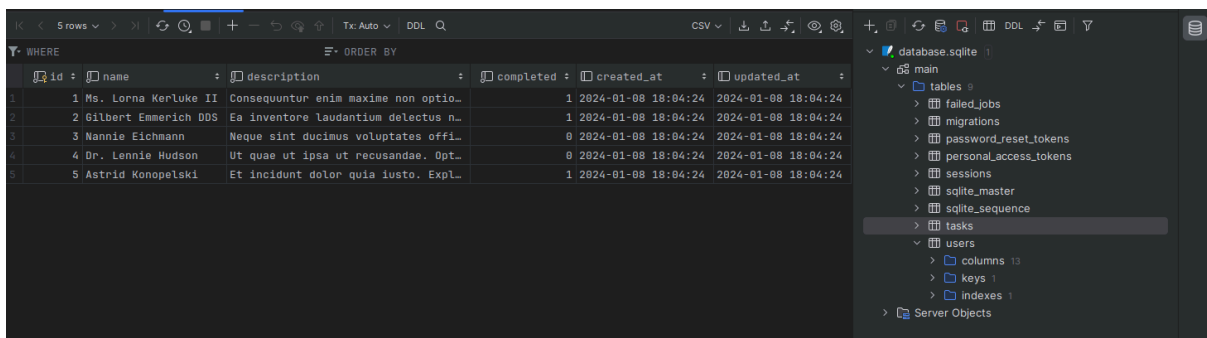
[INFO] Preparing database.

Creating migration table ..... 10ms DONE

[INFO] Running migrations.

2014_10_12_000000_create_users_table ..... 12ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 6ms DONE
2014_10_12_200000_add_two_factor_columns_to_users_table ..... 13ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 12ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 17ms DONE
2023_12_11_162834_create_sessions_table ..... 18ms DONE
2024_01_08_163557_create_tasks_tables ..... 6ms DONE
```

Com veiem, s'han creat la taula tasks



The screenshot shows a database management interface with a table named 'tasks'. The table has columns: id, name, description, completed, created_at, and updated_at. The data is as follows:

id	name	description	completed	created_at	updated_at
1	Ms. Lorna Kerluke II	Consequuntur enim maxime non optio...	1	2024-01-08 18:04:24	2024-01-08 18:04:24
2	Gilbert Emmerich DDS	Ea inventore laudantium delectus n...	1	2024-01-08 18:04:24	2024-01-08 18:04:24
3	Nannie Eichmann	Neque sint ducimus voluptates offi...	0	2024-01-08 18:04:24	2024-01-08 18:04:24
4	Dr. Lennie Hudson	Ut quae ut ipsa ut recusandae. Opt...	0	2024-01-08 18:04:24	2024-01-08 18:04:24
5	Astrid Konopelski	Et incidunt dolor quia iusto. Expl...	1	2024-01-08 18:04:24	2024-01-08 18:04:24

Vista tasks

Ara creem una vista de tasks

```
php artisan make:view tasks

[INFO] View [resources/views/tasks.blade.php] created successfully.
```

Mateix contingut que la vista users, però canviant les variables de user/users per la de task/tasks.

```

1 <div>
2 <x-layout>
3 <div class="bg-gray-800 pb-32">
4
5 <div class="py-10">
6 <div class="mx-auto max-w-7xl px-4 sm:px-6 lg:px-8">
7 <h1 class="text-3xl font-bold tracking-tight text-white">TASQUES</h1>
8 </div>
9 </div>
10 </div>
11
12 <main class="mt-32">
13 <div class="mx-auto max-w-7xl px-4 pb-12 sm:px-6 lg:px-8">
14 <div class="rounded-lg bg-white px-5 py-6 shadow sm:px-6">
15
16
17 <div class="px-4 sm:px-6 lg:px-8">
18 <div class="mt-8 flow-root">
19 <div class="mx-4 -my-2 overflow-x-auto sm:mx-6 lg:mx-8">
20 <div class="inline-block min-w-full py-2 align-middle sm:px-6 lg:px-8">
21 <table class="min-w-full divide-y divide-gray-300">
22 <thead>
23 <tr>
24 <th scope="col" class="py-3.5 pl-4 pr-3 text-left text-sm font-semibold text-gray-900 sm:pl-3">Id</th>
25 <th scope="col" class="px-3 py-3.5 text-left text-sm font-semibold text-gray-900">Nom</th>
26 <th scope="col" class="px-3 py-3.5 text-left text-sm font-semibold text-gray-900">Correu</th>
27 </tr>
28 </thead>
29 <tbody class="bg-white">
30 @foreach($tasks as $task)
31 <tr class="even:bg-gray-50">
32 <td class="whitespace-nowrap py-4 pl-4 pr-3 text-sm font-medium text-gray-900 sm:pl-3">{{ $task->id }}</td>
33 <td class="whitespace-nowrap px-3 py-4 text-sm text-gray-500">{{ $task->name }}</td>
34 <td class="whitespace-nowrap px-3 py-4 text-sm text-gray-500">{{ $task->email }}</td>
35 </tr>
36 @endforeach
37 <!-- More people... -->
38 </tbody>
39 </table>

```

També hem d'afegir la ruta a web.php

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

Al layout afegim la nova entrada al nav sobre les tasques

```

layout.blade.php
29 <a href="/users" class="text-gray-300 hover:bg-gray-700 hover:text-white">Users</a>
30 <a href="/contact" class="text-gray-300 hover:bg-gray-700 hover:text-white">Contact</a>
31 <a href="/about" class="text-gray-300 hover:bg-gray-700 hover:text-white">About</a>
32 <a href="/tasks" class="text-gray-300 hover:bg-gray-700 hover:text-white">Tasks</a>

```

Resultat final:

Id	Nom	Correu
1	Ms. Lorna Kerluke II	
2	Gilbert Emmerich DDS	
3	Nannie Eichmann	
4	Dr. Lennie Hudson	
5	Astrid Konopelski	