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Documentació Exercici Laravel MP09

Per fer la migració escriurem la següent comanda al terminal per crear el fitxer per crear els caps per a la creació de la taula

```
•→ laravelapp php artisan make:migration create_tasks_table  
  
INFO Migration [database/migrations/2024_01_16_192828_create_tasks_table.php] created successfully.
```

Ens creara el següent fitxer on indicarem els caps que volem crear

```
database > migrations > 2024_01_16_192828_create_tasks_table.php  
1  <?php  
2  
3  use Illuminate\Database\Migrations\Migration;  
4  use Illuminate\Database\Schema\Blueprint;  
5  use Illuminate\Support\Facades\Schema;  
6  
7  return new class extends Migration  
8  {  
9      /**  
10       * Run the migrations.  
11       */  
12     public function up(): void  
13     {  
14         Schema::create('tasks', function (Blueprint $table) {  
15             $table->id();  
16             $table->string('name');  
17             $table->string('description');  
18             $table->boolean('completed')->default(false);  
19             $table->timestamps();  
20         });  
21     }  
22  
23     /**  
24      * Reverse the migrations.  
25      */  
26     public function down(): void  
27     {  
28         Schema::dropIfExists('tasks');  
29     }  
30 };
```

Un cop fet executem la següent comanda per començar la migració, ja estaria ta taula task creada

```
•→ laravelapp php artisan migrate  
  
INFO Running migrations.  
  
2024_01_16_192828_create_tasks_table ..... 8ms DONE
```

Per crear el factory el primer que faré es executar aquesta comanda que et crea el fitxer

```
→ laravelapp php artisan make:factory TaskFactory
```

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

Al fitxer crearem els camps que te la base de dades

```
database > factories > TaskFactory.php > ...
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\Model>
9   */
10 0 references | 0 implementations
11 class TaskFactory extends Factory
12 {
13     /**
14      * Define the model's default state.
15      *
16      * @return array<string, mixed>
17      */
18     0 references | 0 overrides
19     public function definition(): array
20     {
21         return [
22             'name' => fake()->name(),
23             'description' => fake()->sentence(),
24             'completed' => fake()->boolean(),
25         ];
26     }
27 }
```

Ara crearem el model de task amb la següent comanda

```
→ laravelapp php artisan make:model Task
```

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

Al fitxer indicarem els camps de la base de dades

```
app > Models > Task.php > ...
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  3 references | 0 implementations
9  class Task extends Model
10 {
11     use HasFactory;
12     0 references
13     protected $fillable = [
14         'name',
15         'description',
16         'completed',
17     ];
18 }
```

Creem el controlador de tasks

```
laravelapp php artisan make:controller TaskController
```

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

```
app > Http > Controllers > TaskController.php > App\Http\Controllers\TaskController > tasks()
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Models\Task;
7
8  2 references | 0 implementations
9  class TaskController extends Controller
10 {
11     1 reference | 0 overrides
12     public function tasks(){
13         return view('tasks',[
14             'tasks' => Task::all()
15         ]);
16     }
17 }
```

Un cop fet crearem la seed, amb aquesta comanda es crearan també el inserts de manera automatica

```
laravelapp php artisan migrate:fresh --seed

Dropping all tables ..... 5ms DONE
INFO Preparing database.
Creating migration table ..... 8ms DONE
INFO Running migrations.
2014_10_12_000000_create_users_table ..... 8ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 4ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 8ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 12ms DONE
2024_01_16_192828_create_tasks_table ..... 4ms DONE
INFO Seeding database.
```

Al fitxer de rutes afegirem la ruta de tasks

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\UserController;
5  use App\Http\Controllers\PagesController;
6  use App\Http\Controllers\TaskController;
7
8  /*
9  |-----
10 | Web Routes
11 |-----
12 |
13 | Here is where you can register web routes for your application. These
14 | routes are loaded by the RouteServiceProvider and all of them will
15 | be assigned to the "web" middleware group. Make something great!
16 |
17 */
18
19 Route::get('/', function () {
20     return view('welcome');
21 });
22 Route::get('/',[UserController::class,'index']);
23
24 Route::get('/users',[UserController::class,'index']);
25
26 Route::get('/contact',[PagesController::class,'contact']);
27
28 Route::get('/about',[PagesController::class,'about']);
29
30 Route::get('/tasks',[TaskController::class,'tasks']);
```

Crearem un nou boto al menú de navegació per accedir a la pagina de tasks al fitxer layout

```
resources > views > components > layout.blade.php
28 <!-- Current: "bg-gray-900 text-white", Default: "text-gray-300 hover:bg-gray-700 hover:text-white" -->
29 <a href="/users" class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">Usuaris</a>
30 <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>
31 <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>
32 <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>
33 </div>
```

Ara sol queda crear la vista on crearem els camps que volem mostrar i mostrarem els valors cridant-los de la base de dades que hem creat anteriorment

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

Un cop fet això comprovarem que funcioni correctament

```
laravelapp php artisan serve
INFO Server running on [http://127.0.0.1:8000].
Press Ctrl+C to stop the server
```

Tant la pagina de tasks com usuaris funcionen correctament

127.0.0.1:8000/users

Usuaris

Contact

About

Tasks

USUARIS

Id	Nom	Correu
1	Madilyn Shanahan	aisha.kemmer@example.org
2	Mr. Joe Bednar	mazie12@example.com
3	Mr. Terrance Hermiston II	sallie.klocko@example.com
4	Dr. Rachael Koepp	conroy.albert@example.org
5	Wilton Kautzer DDS	mueller.misael@example.com
6	Margarett Predovic I	quitzon.domenic@example.net
7	Neha Braun	filomena16@example.com
8	Jayson Raynor	katlyn.kuphal@example.com
9	Ms. Earnestine Jenkins	jast.osvaldo@example.net
10	Selena Rowe	isabell39@example.com

127.0.0.1:8000/tasks

Usuaris

Contact

About

Tasks

TASKS

Id	Nom	Descripció	Completat
1	Crystal Collier	Cupiditate vel veniam totam quam quisquam similique.	1
2	Adeline Hackett	Incidunt tenetur voluptatem id soluta consequatur.	0
3	Jeromy Wyman	Illum sed tenetur pariatur dolor commodi et autem quidem.	0
4	Juliet Kuhic	Nostrum quisquam maiores autem officia voluptas sit.	0
5	Mrs. Keely Volkman	Distinctio earum deleniti sequi rerum.	0
6	Desiree Kshlerin	Et soluta repellendus illum esse tempore.	0
7	Madalyn Okuneva III	Doloribus nisi recusandae veniam id officiis esse.	1
8	Dr. Arely Labadie IV	Vel id sit molestias rerum nihil natus aperiam quia.	1
9	Chasity Gutmann	Autem molestiae corporis ab recusandae.	0
10	Mrs. Corrine Jacobi	Maxime quas atque quia accusamus eveniet non id.	1