

Exercici Crear migració a la taula tasks . Ha de tenir els camps (id, name, description i completed)

Crear factory

Crear seed

Crear inserts a partir del seed

Crear controlador de tasks

Crear model de tasks

Crear ruta a routes/web.php i afegir la nova ruta al navegador al fitxer

resources/views/components/layout.blade.php

Crear la vista tasks.blade.php

Amb la comanda `php artisan make:migration` create el següent que serà necessari per completar la activitat.

```
alumne@harvey:~/laravelApp$ php artisan make:migration create_tasks_table

INFO Migration [database/migrations/2024_01_08_160709_create_tasks_table.php] created successfully.

alumne@harvey:~/laravelApp$ php artisan make:model Task

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

alumne@harvey:~/laravelApp$ php artisan make:controller TaskController

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

alumne@harvey:~/laravelApp$ php artisan make:factory TaskFactory

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

alumne@harvey:~/laravelApp$ php artisan make:view tasks

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

Després de executar les comandes prèvies, m'ha creat el següent [.php] que editare per crear la taula tasks amb els seus camps id, name (string), description (string), completed (boolean) i timestamps (per defecte).

```
php 2024_01_08_160709_create_tasks_table.php x
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      public function up(): void
10     {
11         Schema::create( table: 'tasks', function (Blueprint $table) {
12             $table->id();
13             $table->string( column: 'name');
14             $table->string( column: 'description');
15             $table->boolean( column: 'completed')->default( value: false);
16             $table->timestamps();
17         });
18     }
```

També editare el fitxer de [Task.php] per afegir els camps a protected \$visible i els altres camps a protected \$fillable (camps no sensibles) visibles i els que es autocompletaran per el sistema automaticament.

```
Task.php x
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Task extends Model
9  {
10     use HasFactory;
11
12     protected $visible = [
13         'id'
14     ];
15     protected $fillable = [
16         'name',
17         'description',
18         'completed',
19     ];
20 }
```

Dins de [TaskController.php] creare una funció anomenada index, que em retorna una vista de totes les tasques.

```
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 }
```

A continuació dintre del fitxer [TaskFactory.php] definire un return dels camps que vull completar amb informació. Cada camp amb el seu tipus.

```
© TaskFactory.php x
1  <?php
2
3  namespace Database\Factories;
4
5  use Illuminate\Database\Eloquent\Factories\Factory;
6  use App\Models\Task;
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->name(),
23         'description' => $this->faker->paragraph(),
24         'completed' => $this->faker->boolean(),
25     ];
26 }
27 }
```

Per crear registres automàtics indicare el factory amb el número de registres que vull crear, en aquest cas 5 i modifico el de usuaris per a que sigui 5 també.

```
© DatabaseSeeder.php x
1  <?php
2
3  namespace Database\Seeders;
4
5  // use Illuminate\Database\Console\Seeds\WithoutModelEvents;
6  use Illuminate\Database\Seeder;
7
8 no usages ± Wharvey123 *
9 class DatabaseSeeder extends Seeder
10 {
11     /**
12      * Seed the application's database.
13      */
14     ± Wharvey123 *
15     public function run(): void
16     {
17         \App\Models\User::factory( count: 5)->create();
18         \App\Models\Task::factory( count: 5)->create();
19         \App\Models\Task::factory()->create([
20             'name' => 'Tasca 1',
21             'description' => 'Tasques amb PHP',
22             'completed' => true,
23         ]);
24     }
25 }
```

Amb la comanda [php artisan migrate --seed] afegire els registres de forma automàtica i creara la taula de tasks.

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

INFO Running migrations.

2024_01_08_160709_create_tasks_table ..... 11ms DONE

INFO Seeding database.

alumne@harvey:~/laravelApp$
```

TAULA USUARIS:

users							
WHERE							
ORDER BY							
	id	name	email	email_verified_at	password	remember_token	
1	1	Irma Lehner	cleta.bogan@example.com	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	jb6oXFSagN	
2	2	Aiden Ruecker	doyle.pansy@example.net	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	Zg4Yy35V68	
3	3	Anthony Schaefer	bauch.janelle@example.net	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	feZqpZzdht	
4	4	Yessenia Hammes DDS	murray.macy@example.com	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	hWA5qpPfeBu	
5	5	Jarrod Shanahan	ograham@example.net	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	HISyBKttWM	
6	6	Mr. Kristoffer McDermott DVM	madge.mertz@example.com	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	g0sZ6BbuyMX	
7	7	Bonita Lubowitz	baumbach.nellie@example.com	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	WAGK0JfAuB	
8	8	Dr. Boyd Herman	amelie.bednar@example.org	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	UpkUMCCSma	
9	9	Ms. Gracie Bins	bertram.ziemann@example.net	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	Voq0ELJdNz	
10	10	Davin Frami	keon.lang@example.com	2023-12-18 16:18:46	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	pS5vnIPqnc	
11	11	Shemar Gutkowski Jr.	braden13@example.com	2024-01-08 17:49:19	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	B0yCMY7Sbg	
12	12	Payton Lindgren IV	lolita.howe@example.org	2024-01-08 17:49:19	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	8X3b8R68Vn	
13	13	Mr. Levi Hammes	yschuster@example.org	2024-01-08 17:49:19	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	Df6tTvBPiU	
14	14	Prof. Zita Sanford	zconroy@example.net	2024-01-08 17:49:19	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	cccJ6uDxpq	
15	15	Assunta O'Conner III	yundt.mandy@example.com	2024-01-08 17:49:19	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKo...	TbRT6nmXe	

TAULA TASKS:

tasks							
WHERE							
ORDER BY							
	id	name	description	completed	created_at	updated_at	
1	1	Mrs. Micaela Osinski	Consequuntur omnis deleniti assumenda labore vo...	0	2024-01-08 17:49:19	2024-01-08 17:49:19	
2	2	Irwin Skiles	Aut eos illo culpa distinctio autem impedit aut...	1	2024-01-08 17:49:19	2024-01-08 17:49:19	
3	3	Myron Botsford Jr.	Consequatur molestias velit quia ipsum vel veri...	1	2024-01-08 17:49:19	2024-01-08 17:49:19	
4	4	Dr. Lou O'Hara	Corrupti expedita et illo tempore. Totam molest...	1	2024-01-08 17:49:19	2024-01-08 17:49:19	
5	5	Toney Hyatt	Nostrum ut qui itaque enim. Aspernatur assumend...	1	2024-01-08 17:49:19	2024-01-08 17:49:19	
6	6	Tasca 1	Tasques amb PHP	1	2024-01-08 17:49:19	2024-01-08 17:49:19	
7	7	Kristy Kihn MD	Laboriosam ut neque iure inventore eos. Saepe n...	1	2024-01-08 18:06:35	2024-01-08 18:06:35	
8	8	Glennie Lemke	Officiis aut ducimus repellat consequatur volup...	0	2024-01-08 18:06:35	2024-01-08 18:06:35	
9	9	Clarissa Brekke DVM	Quis assumenda blanditiis beatae amet consectet...	0	2024-01-08 18:06:35	2024-01-08 18:06:35	
10	10	Leopold Gusikowski	Et et aut impedit quidem error earum. Quaerat f...	1	2024-01-08 18:06:35	2024-01-08 18:06:35	
11	11	Dr. Quincy Hayes V	Quidem quasi nesciunt sapiente consequatur. Sit...	0	2024-01-08 18:06:35	2024-01-08 18:06:35	

Copiar el contingut de `users_blade.php` i ho pegare a `tasks_blade.php`. Ademés afegint un bucle de la taula `tasks` que mostrara totes les tasques de la taula de la base de dades que s'han creat un detras de l'altre.

```
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">USUARI</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>
```

Al fitxer que ja tinc creat de `[web.php]` afegire una línia al final que fa referència a l'índex de `tasks` indicant la ruta.

```
php web.php x
32 Route::get( uri: '/', [UserController::class, 'index'] );
33 Route::get( uri: '/users', [UserController::class, 'index'] );
34 Route::get( uri: '/contact', [PagesController::class, 'contact'] );
35 Route::get( uri: '/about', [PagesController::class, 'about'] );
36 Route::get( uri: '/tasks', [\App\Http\Controllers\TaskController::class, 'index'] );
```

Finalment al layout afegeixo una línia al nav per a mostrar una nova opció a la barra de navegació.

```
layout.blade.php x
25 </div>
26 <div class="hidden md:block">
27 <div class="ml-10 flex items-baseline space-x-4">
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">USUARI</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">Contactes</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>
```

Obrir la pàgina i com a resultat final veurem que em mostra les tasques com hauria de fer.

