

## Taula TASKS

Creo el fitxer de migració per a la taula tasks utilitzant la comanda php artisan make:migration.

```
alumne@sebastian:~/Escriptori/Programacio/php/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/2023_12_29_080310_create_tasks_table.php] created successfully.
```

Dins creo els camps id, name (string), description (string), completed (boolean, per defecte amb valor false) i timestamps (camp que afegeix laravel per defecte).

```
contact.blade.php  php 2014_10_12_000000_create_users_table.php  php 2023_12_29_080310_create_tasks_table.php x v
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  }
```

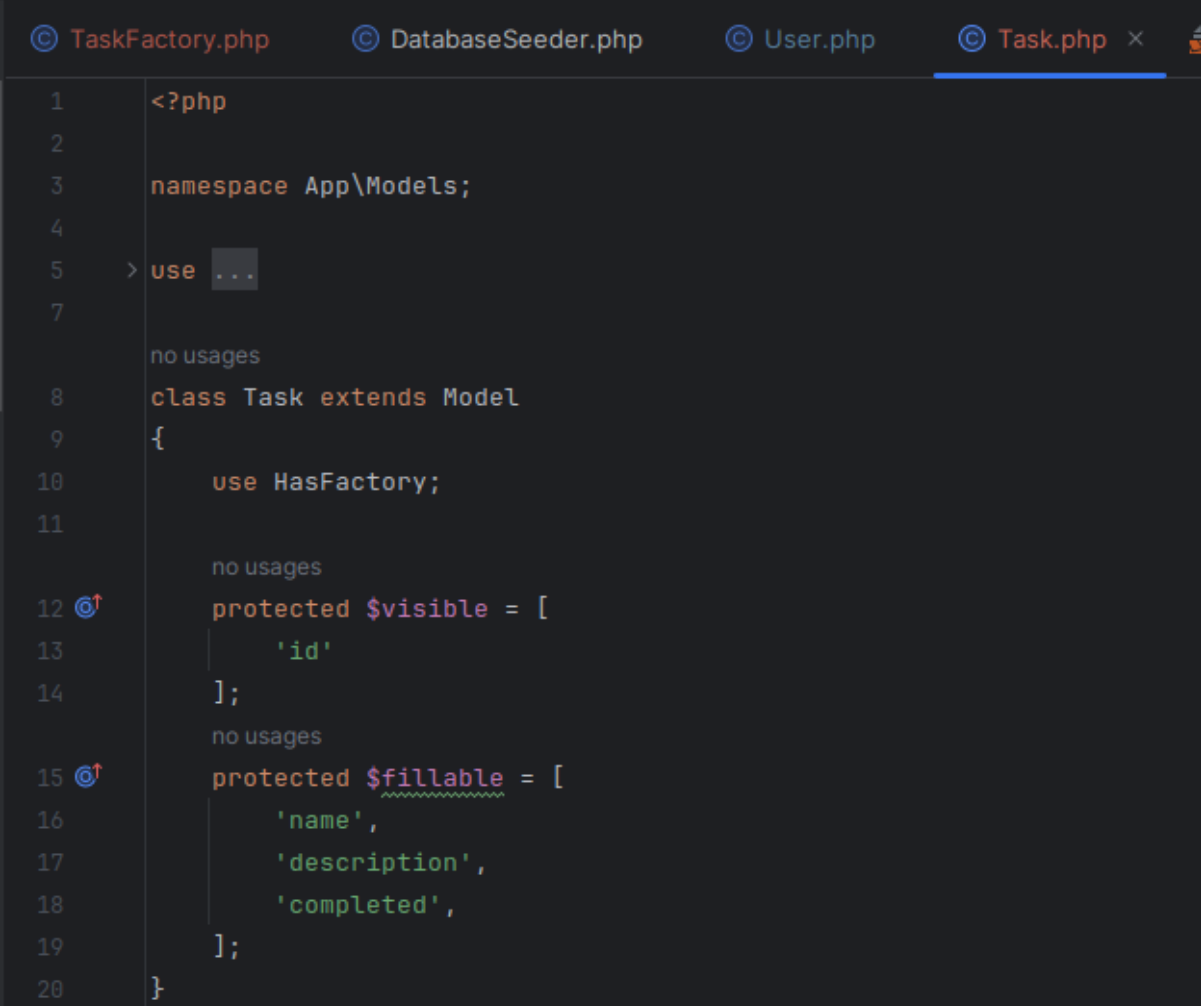
## Model

Faig un php artisan make:model per a crear el model.

```
alumne@sebastian:~/Escriptori/Programacio/php/laravelApp$ php artisan make:model Task

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

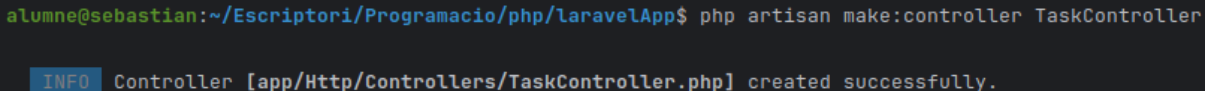
Afegeixo el camp ID a protected \$visible i els altres camps a protected \$fillable (al fillable afegeixo els camps no sensibles).



```
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     no usages
17     protected $fillable = [
18         'name',
19         'description',
20         'completed',
21     ];
22 }
```

## Controlador

Faig un php artisan make per a crear el controlador TaskController.



```
alumni@sebastian:~/Escriptori/Programacio/php/laravelApp$ php artisan make:controller TaskController

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

Dins de la funció index faig un return per a cridar la vista tasks i per a retornar una variable tasks per a poder utilitzar-la després a la vista.

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Task;
6  use Illuminate\Http\Request;
7
8  1 usage  Mihai-Sebastian
9  class TaskController extends Controller
10 {
11     1 usage  Mihai-Sebastian
12     public function index()
13     {
14         return view('tasks', [
15             'tasks' => Task::all()
16         ]);
17     }
18 }
```

## Factory

Faig un php artisan make factory per a crear el fitxer TaskFactory.

```
alumn@sebastian:~/Escriptori/Programacio/php/laravelApp$ php artisan make:factory TaskFactory
INFO Factory [database/factories/TaskFactory.php] created successfully.
```

A dins de la funció definition faig un return dels camps que vull completar amb informació, en aquest cas a name indico name per a completar amb un nom.  
Description amb el paràmetre paragraph per a completar amb un paràgraf.  
Completed amb el paràmetre boolean per a autocompletar amb un valor true o false.

```
© UserFactory.php  © TaskFactory.php x  © DatabaseSeeder.php  tasks [database.sqlite]  © User.php v ...
4
5 use Illuminate\Database\Eloquent\Factories\Factory;
6 use App\Models\Task;
7
8 /**
9  * @extends \Illuminate\Database\Eloquent\Factories\Factory<\App\Models\Model>
10  */
11 no usages
12 class TaskFactory extends Factory
13 {
14     /**
15      * Define the model's default state.
16      *
17      * @return array<string, mixed>
18      */
19     no usages
20     public function definition(): array
21     {
22         return [
23             'name' => $this->faker->name(),
24             'description' => $this->faker->paragraph(),
25             'completed' => $this->faker->boolean(),
26         ];
27     }
28 }
```

## SEED

Per a crear registres de forma automàtica indico el factory amb el número de registres que vull crear, en aquest cas 5, també creo un registre manual per a fer proves.

```
(App\Models\Task::factory( count: 5 )->create();
\App\Models\Task::factory()->create([
    'name' => 'Tasca 1',
    'description' => 'Fer deures PHP',
    'completed' => true,
]);
```

Utilitzo la comanda php artisan migrate --seed per a afegir els registres de forma automàtica. Aquí es crea la taula tasks.

```
alume@sebastian:~/Escriptori/Programacio/php/laravelApp$ php artisan migrate --seed
INFO Running migrations.
2023_12_29_080310_create_tasks_table ..... 15ms DONE
```

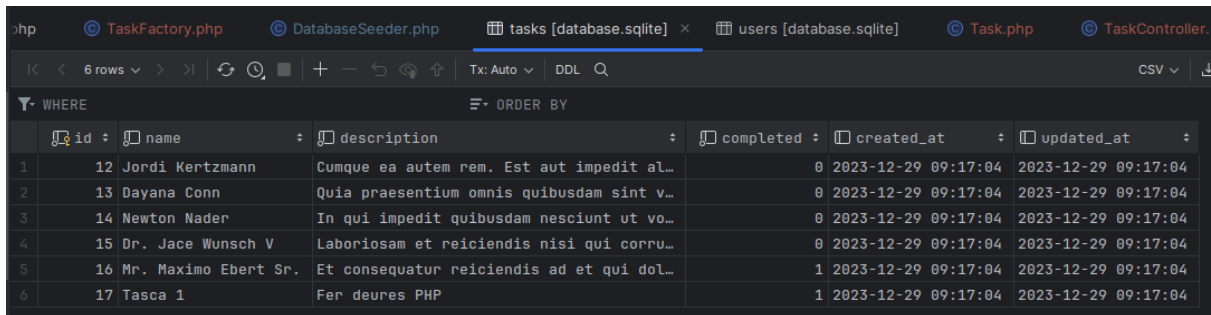
Aquí es creen els registres.

```
alumne@sebastian:~/Escriptori/Programacio/php/laravelApp$ php artisan migrate --seed

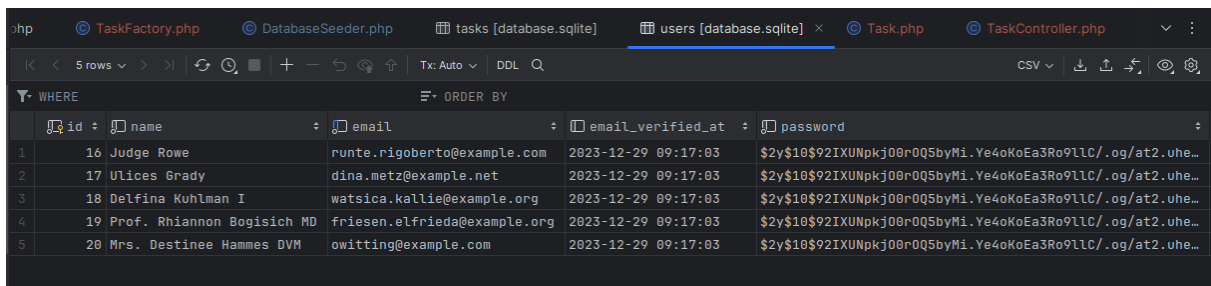
INFO Nothing to migrate.

INFO Seeding database.
```

Una vegada inserits comprovo les taules per a veure la informació.



	id	name	description	completed	created_at	updated_at
1	12	Jordi Kertzmann	Cumque ea autem rem. Est aut impedit al...	0	2023-12-29 09:17:04	2023-12-29 09:17:04
2	13	Dayana Conn	Quia praesentium omnis quibusdam sint v...	0	2023-12-29 09:17:04	2023-12-29 09:17:04
3	14	Newton Nader	In qui impedit quibusdam nesciunt ut vo...	0	2023-12-29 09:17:04	2023-12-29 09:17:04
4	15	Dr. Jace Wunsch V	Laboriosam et reiciendis nisi qui corru...	0	2023-12-29 09:17:04	2023-12-29 09:17:04
5	16	Mr. Maximo Ebert Sr.	Et consequatur reiciendis ad et qui dol...	1	2023-12-29 09:17:04	2023-12-29 09:17:04
6	17	Tasca 1	Fer deures PHP	1	2023-12-29 09:17:04	2023-12-29 09:17:04



	id	name	email	email_verified_at	password
1	16	Judge Rowe	runte.rigoberto@example.com	2023-12-29 09:17:03	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKoEa3Ro9lLC/.og/at2.uhe...
2	17	Ulices Grady	dina.metz@example.net	2023-12-29 09:17:03	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKoEa3Ro9lLC/.og/at2.uhe...
3	18	Delfina Kuhlman I	watsica.kallie@example.org	2023-12-29 09:17:03	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKoEa3Ro9lLC/.og/at2.uhe...
4	19	Prof. Rhiannon Bogisich MD	friesen.elfrieda@example.org	2023-12-29 09:17:03	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKoEa3Ro9lLC/.og/at2.uhe...
5	20	Mrs. Destinee Hammes DVM	owitting@example.com	2023-12-29 09:17:03	\$2y\$10\$92IXUNpkj00r0Q5byMi.Ye4oKoEa3Ro9lLC/.og/at2.uhe...

## Vista

Faig un php artisan make view per a crear la vista tasks.

```
alumne@sebastian:~/Escriptori/Programacio/php/laravelApp$ php artisan make:view tasks

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

## Contingut de la vista:

Es el mateix contingut que la vista users.

```
<x-layout>
  <div class="bg-gray-800 pb-32">

    <div class="py-10">
      <div class="mx-auto max-w-7xl px-4 sm:px-6 lg:px-8">
        <h1 class="text-3xl font-bold tracking-tight text-white">Tasques</h1>
      </div>
    </div>
  </div>

  <main class="-mt-32">
    <div class="mx-auto max-w-7xl px-4 pb-12 sm:px-6 lg:px-8">
      <div class="rounded-lg bg-white px-5 py-6 shadow sm:px-6">

        <div class="px-4 sm:px-6 lg:px-8">
          <div class="mt-8 flow-root">
            <div class="-mx-4 -my-2 overflow-x-auto sm:-mx-6 lg:-mx-8">
              <div class="inline-block min-w-full py-2 align-middle sm:px-6 lg:px-8">
                <table class="min-w-full divide-y divide-gray-300">
                  <thead>
                    <tr>
                      <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>
                      <th scope="col" class="px-3 py-3.5 text-left text-sm font-semibold text-gray-900">Nom</th>
                      <th scope="col" class="px-3 py-3.5 text-left text-sm font-semibold text-gray-900">Correu</th>
                    </tr>
                  </thead>
                </table>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </main>
</x-layout>
```

Però afegint un bucle de la taula tasks per a mostrar totes les tasques de la taula de la base de dades.

```
<tbody class="bg-white">
  @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->description }}</td>
      <td class="whitespace-nowrap px-3 py-4 text-sm text-gray-500">{{ $task->completed }}</td>
    </tr>
  @endforeach
  <!-- More people... -->
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</main>
</x-layout>
```

## routes web.php

Afegeixo una nova ruta per a retornar la vista tasks.

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

## Layout

Al layout afegeixo una nova entrada al nav per a mostrar una nova opció a la barra de navegació.

```
7017


## Resultat final:



The screenshot shows a web application interface. At the top, there is a dark blue navigation bar with a logo on the left and four links: 'Usuaris', 'Contactes', 'About', and 'Tasks'. The 'Tasks' link is highlighted. To the right of the links are a bell icon and a user profile icon. Below the navigation bar, the main content area has a dark blue header with the title 'Tasques'. Underneath, there is a white box containing a table with the following data:



| Id | Nom                  | Correu                                                                                                                                               |
|----|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | Jordi Kertzmann      | Cumque ea autem rem. Est aut impedit aliquam sunt. Dolores nobis et delectus animi.                                                                  |
| 13 | Dayana Conn          | Quia praesentium omnis quibusdam sint vel nostrum deserunt. Nostrum non itaque rerum et. Vero blanditiis consequat eum at voluptatem excep           |
| 14 | Newton Nader         | In qui impedit quibusdam nesciunt ut voluptas possimus. Beatae quia aspernatur illum aut earum. Neque ipsum quo eaque. Et aut cupiditate est eve     |
| 15 | Dr. Jace Wunsch V    | Laboriosam et reiciendis nisi qui corrupti dignissimos nihil accusantium. Non et voluptas soluta qui atque. Ut consequat velit est molestiae odio ve |
| 16 | Mr. Maximo Ebert Sr. | Et consequat reiciendis ad et qui doloremque provident. Illo iste saepe earum laboriosam nesciunt maxime laborum ut. Reprehenderit sit totam p       |
| 17 | Tasca 1              | Fer deures PHP                                                                                                                                       |


```