

Com a primer pas creem el fitxer de migració per a la taula tasks utilitzant l'ordre **php artisan make:migration create_tasks_table**

```
[alumne@steven] - [~/laravelApp] - [844]
[!] 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_163555_create_tasks_table.php] created successfully.
```

Dins del fitxer creem els camps **id** com a camp clau, **name** i **description** com a text, i **completed** com a boolean. Per finalitzar tenim el camp timestamp que afegeix laravel per defecte i que haurem de deixar per evitar problemes (ho se per experiència).

```
php 2024_01_08_163555_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       @steven
13       public function up(): void
14       {
15           Schema::create( table: 'tasks', function (Blueprint $table) {
16               $table->id();
17               $table->string( column: 'name');
18               $table->string( column: 'description');
19               $table->string( column: 'completed')->default( value: false);
20               $table->timestamps();
21           });
22       }
23  }
```

Un cop creat i configurat el fitxer tasks procedirem a crear el model en l'ordre **php artisan make:model Task**

```
[alumne@steven] - [~/laravelApp] - [845]
[!] php artisan make:model Task

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

En el arxiu Task.php afegirem el camp id en **protected \$visible**, i els altres al **protected \$fillable**

```
php 2024_01_08_163555_create_tasks_table.php x © Task.php x

namespace App\Models;

use ...

no usages
class Task extends Model
{
    use HasFactory;

    no usages
    protected $visible = [
        'id'
    ];

    no usages
    protected $fillable = [
        'name',
        'description',
        'completed'
    ];
}
```

Creo el controlador en l'ordre **php artisan make:controller TaskController**

```
[alumni@steven] - [~/laravelApp] - [847]
[!] php artisan make:controller TaskController

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

En aquest controlador afegim un return per a cridar la vista a tasks i retornar tot el contingut.

```
© Task.php  © 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( view: 'tasks', [
15             'tasks' => Task::all()
16         ]);
17     }
18 }
```

Creo el fitxer Task factory en la comanda **php artisan make:factory TaskFactory**.

```
[alume@steven] - [~/laravelApp] - [848]
[+] php artisan make:factory TaskFactory

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

Aquí fero un return dels camps que vull completar en informació.

```
Task.php TaskController.php TaskFactory.php x
6 use App\Models\Task;
7
8 /**
9  * @extends \Illuminate\Database\Eloquent\Factories\Factory<\App\Models\Task>
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 }
```

Per a crear els registres de forma automàtica anirem al fitxer **DatabaseSeeder.php** i dins indicarem el factory amb el nombre de registres que vull crear

```
Task.php TaskController.php TaskFactory.php DatabaseSeeder.php x
no usages  steven *
8 class DatabaseSeeder extends Seeder
9 {
10     /**
11      * Seed the application's database.
12      */
13     steven *
14     public function run(): void
15     {
16         \App\Models\Task::factory(count: 5)->create();
17         \App\Models\Task::factory()->create([
18             'name' => 'Tasca 1',
19             'description' => 'tasca en PHP',
20             'completed' => true
21         ]);
22     }
23 }
```

Utilitzo la comanda `php artisan migrate:refresh --seed` per a completar la muntada dels registres

```
[alumni@steven] - [~/laravelApp] - [860]
[($)] php artisan migrate:refresh --seed

Dropping all tables ..... 6ms DONE

[INFO] Preparing database.

Creating migration table ..... 5ms DONE

[INFO] Running migrations.

2014_10_12_000000_create_users_table ..... 7ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 4ms DONE
```

Quan intentem fer la migracio normal ens indicara que no hi ha res per migrar.

```
[alumni@steven] - [~/laravelApp] - [861]
[($)] php artisan migrate --seed

[INFO] Nothing to migrate.

[INFO] Seeding database.
```

Comprovem que s'hagin inserit els registres correctament.

WHERE

ORDER BY

	id	name	description	completed	created_at
1	1	Chesley Schmitt DVM	Voluptatum sint excepturi perspici...	1	2024-01-08
2	2	Antone Feest IV	Quo dolore debitis nostrum quos rem...	0	2024-01-08
3	3	Magdalena Nader	Aut aut est deserunt. Sit rerum har...	1	2024-01-08
4	4	Mrs. Icie Swaniawski I	Voluptatem tenetur eligendi et aut...	0	2024-01-08
5	5	Norene Bahringer	Fugit explicabo rem autem ipsam. Re...	0	2024-01-08
6	6	Lia Kris	Repellendus laborum aut corrupti sa...	1	2024-01-08
7	7	Arlo Langosh	Adipisci voluptatem debitis digniss...	1	2024-01-08
8	8	Lukas Bernier	Modi quam tempore ut id doloribus. ...	1	2024-01-08
9	9	Miss Heloise Shanahan	Consequatur porro minus ut nam temp...	1	2024-01-08
10	10	Bart Mitchell	Et facere voluptas sapiente volupta...	1	2024-01-08

database 1

main

tables 9

failed_jobs

migrations

password_reset_tokens

personal_access_tokens

sessions

sqlite_master

sqlite_sequence

tasks

users

Server Objects

WHERE

ORDER BY

	id	name	email	email_verified_at	password
1	1	Mr. Mohammad Romaguera	johan.ullrich@example.com	2024-01-08 18:08:49	\$2y\$10\$92
2	2	Deondre McClure V	mosciski.johnpaul@example.net	2024-01-08 18:08:49	\$2y\$10\$92
3	3	Maximillian Bogisich	alessandra.pagac@example.net	2024-01-08 18:08:49	\$2y\$10\$92
4	4	Janick Okuneva	rohan.carley@example.com	2024-01-08 18:08:49	\$2y\$10\$92
5	5	Miss Ally Grant	rgottlieb@example.org	2024-01-08 18:08:49	\$2y\$10\$92
6	6	Alexandre Waters Jr.	pkemmer@example.org	2024-01-08 18:10:06	\$2y\$10\$92
7	7	Kyleigh Dach Sr.	maryjane.walker@example.org	2024-01-08 18:10:06	\$2y\$10\$92
8	8	Ernest Wisoky	terrell96@example.org	2024-01-08 18:10:06	\$2y\$10\$92
9	9	Javonte Kihn	schamberger.judd@example.org	2024-01-08 18:10:06	\$2y\$10\$92
10	10	Rosalia Daniel IV	gjohns@example.com	2024-01-08 18:10:06	\$2y\$10\$92

database 1

main

tables 9

failed_jobs

migrations

password_reset_tokens

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sessions

sqlite_master

sqlite_sequence

tasks

users

Server Objects

Per finalitzar creo la vista de tasks

```
[alumni@steven] - [~/laravelApp] - [863]
[($)] php artisan make:view tasks

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

Dins de la vista haurem de dir el mateix contingut de la tau

```
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          <div class="px-4 sm:px-6 lg:px-8">
17            <div class="mt-8 flow-root">
18              <div class="-mx-4 -my-2 overflow-x-auto sm:-mx-6 lg:-mx-8">
19                <div class="inline-block min-w-full py-2 align-middle sm:px-6 lg:px-8">
20                  <table class="min-w-full divide-y divide-gray-300">
21                    <thead>
22                      <tr>
23
24                        <th scope="col" class="py-3.5 pl-4 pr-3 text-left text-sm font-semibold text-gray-900 sm:pl-3">
```

En la única diferencia que hauré d'afegir un bucle de la taula tasks per a mostrar totes les tasques 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
```



Al layout afegeixo una nova entrada a la barra de navegació

```
<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">Usuaris</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">Contactes</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 Final 😊

127.0.0.1:8000/tasks

TaulerSafata d'entra...La meva unitat...Home - AniListMange En Esp...TuMangaOnlineWhatsAppTelegramChatGPTsBID - Banc Int...

UsuarisContactesAboutTasks

TASQUES

Id	Nom	Correu
1	Chesley Schmitt DVM	Voluptatum sint excepturi perspiciatis ullam dolorem porro. Odio quisquam explicabo totam eum sunt assumenda repudiandae. Omnis incidunt o
2	Antone Feest IV	Quo dolore debitis nostrum quos rem. Voluptas aut aut fugiat aliquid sed ab tempora. Qui exercitationem porro illum. Ut et quae sunt. Autem ips
3	Magdalena Nader	Aut aut est deserunt. Silt rerum harum illum aliquid quibusdam in. Alias et dolore suscipit.
4	Mrs. Icie Swaniawski I	Voluptatem tenetur eligendi et aut. Et aut quae corporis perspiciatis adipisci.
5	Norene Bahringer	Fugit explicabo rem autem ipsam. Rem laboriosam dolorem sit ut a velit ullam.
6	Lia Kris	Repellendus laborum aut corrupti sapiente occaecati quis beatae. Sed laborum molestias et qui voluptas expedita doloremque. Ut a eveniet magr
7	Arlo Langosh	Adipisci voluptatem debitis dignissimos reiciendis. Ab occaecati quibusdam placeat deserunt error. Id incidunt ipsum recusandae placeat ut. Eos e
8	Lukas Bernier	Modi quam tempore ut id doloribus. Consequatur rem rerum ab quidem cum molestias debitis. Iure numquam itaque odit consequatur ullam susc
9	Miss Heloise Shanahan	Consequatur porro minus ut nam tempora. Nulla ad omnis magni. Placeat fugiat silt officia eos autem voluptatem quia illo. Voluptatem aperiam et
10	Bart Mitchell	Et facere voluptas sapiente voluptatem ea aut corrupti. Velit id provident aliquam dolores est laboriosam. Enim incidunt esse accusantium quera