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

```
example-app php artisan make:migration create_tasks_table

INFO  Migration [database/migrations/2024_01_08_164412_create_tasks_table.php] created successfully.


example-app
```

Ejecuto la comanda de migració de la taula task

```php
Schema::create( table: 'tasks', function (Blueprint $table)
    $table->id();
    $table->string( column: "name");
    $table->string( column: "description");
    $table->boolean( column: "completed");
    $table->timestamps();
});
```

Estableixo els camps de la taula

Crear factory

```
→  example-app php artisan make:factory TaskFactory

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

→  example-app
```

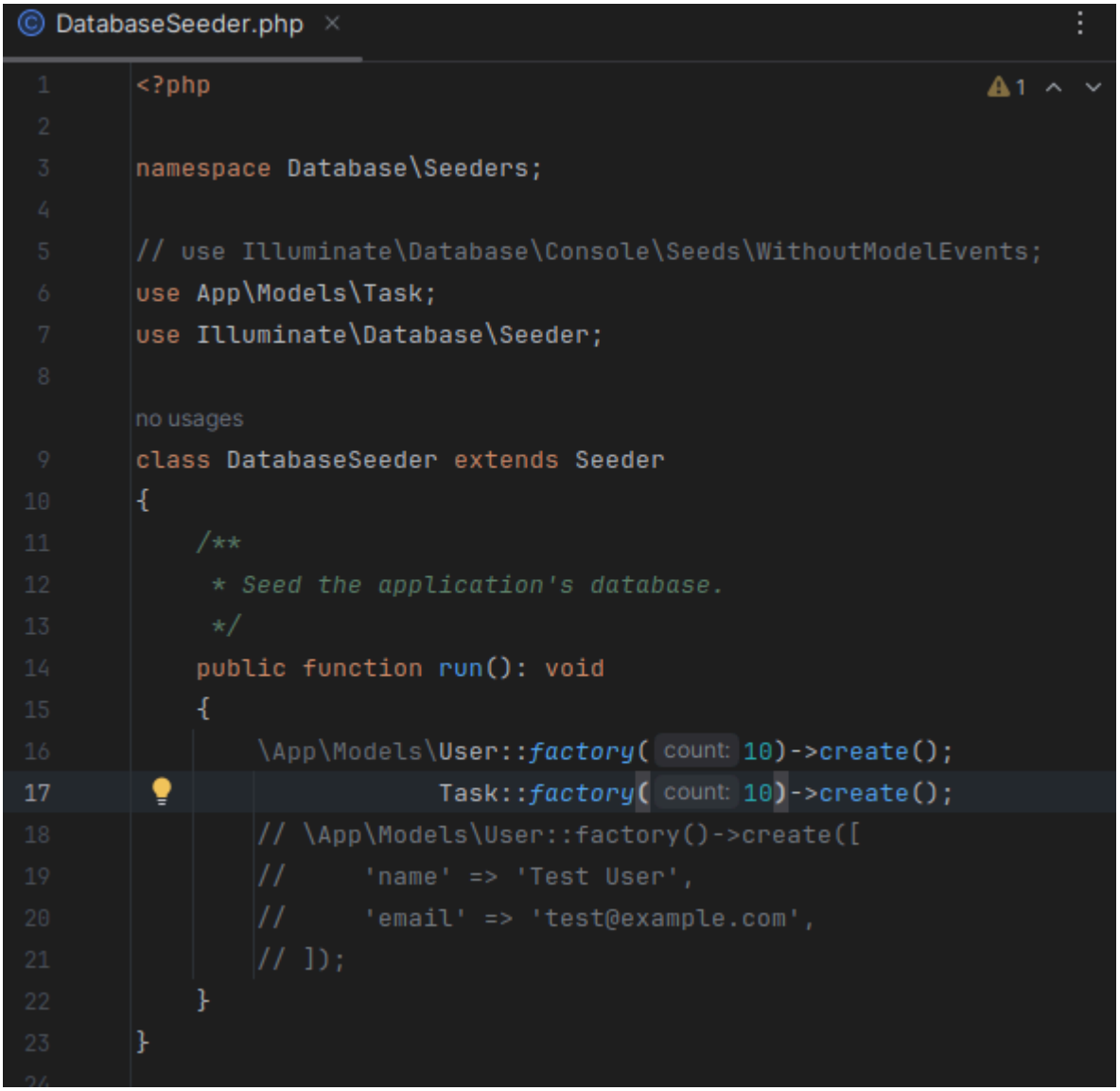
Ejecuto la comanda de creació de factory

TaskFactory.php

```php
<?php

namespace Database\Factories;


use Illuminate\Database\Eloquent\Factories\Factory;

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->sentence,
            'description' => $this->faker->paragraph,
            'completed' => $this->faker->boolean,
        ];
    }
}
```

Mostra de Factory

Crear seed



Creo el seed afegint també el User/Task::factory(10)->create();

Crear inserts a partir del seed

```
→ laravel-app php artisan migrate --seed

  INFO  Nothing to migrate.

  INFO  Seeding database.


  Illuminate\Database\QueryException

  SQLSTATE[HY000]: General error: 1 table tasks has no column named updated_at (Connection: sqlite, SQL: insert into "tasks" ("name", "description", "completed", "updated_at", "created_at") values (Est ut natus earum i
mpedit enim quidem., Facere eaque voluptates cumque et a eum non. Numquam magnam praesentium commodi consectetur sint. Aut voluptate cum sunt sunt rerum., 0, 2024-01-15 16:31:14, 2024-01-15 16:31:14))

  at vendor/laravel/framework/src/Illuminate/Database/Connection.php:822
    818 |                     $this->getName(), $query, $this->prepareBindings($bindings), $e
    819 |                 );
    820 |             }
    821 |
  → 822 |             throw new QueryException(
    823 |                 $this->getName(), $query, $this->prepareBindings($bindings), $e
    824 |             );
    825 |         }
    826 |     }

      +16 vendor frames

  17  database/seeders/DatabaseSeeder.php:17
      Illuminate\Database\Eloquent\Factories\Factory::create()
      +35 vendor frames

  53  artisan:37
      Illuminate\Foundation\Console\Kernel::handle()

→ laravel-app php artisan migrate:fresh --seed
```

Creo els inserts a partir del seed

WHERE ORDER BY

	id	name	email	email_verified_at	password
1	1	Claudia Boehm	herbert04@example.org	2024-01-15 16:31:22	$2y$12$sgGq068
2	2	Jaylin Johnson	tbruen@example.com	2024-01-15 16:31:23	$2y$12$sgGq068
3	3	Mr. Winfield Littel	eroberts@example.org	2024-01-15 16:31:23	$2y$12$sgGq068
4	4	Kiana Kiehn	xwisozk@example.org	2024-01-15 16:31:23	$2y$12$sgGq068
5	5	Prof. Verna Corkery Sr.	jacobi.lisa@example.com	2024-01-15 16:31:23	$2y$12$sgGq068
6	6	Adell Kunze	moises.raynor@example.net	2024-01-15 16:31:23	$2y$12$sgGq068
7	7	Corrine McCullough	zackary.connelly@example.net	2024-01-15 16:31:23	$2y$12$sgGq068
8	8	Evangeline Kutch	janet.bode@example.net	2024-01-15 16:31:23	$2y$12$sgGq068
9	9	Ray Bernhard PhD	deangelo42@example.net	2024-01-15 16:31:23	$2y$12$sgGq068
10	10	Mr. Bradford Schaden MD	glesch@example.net	2024-01-15 16:31:23	$2y$12$sgGq068

Mostra de users

WHERE

	id	name	description	completed	created_at	updated_at
1	1	Quis quaerat ut a…	Sunt repudiandae …	1	2024-01-15 16:31:…	2024-01-15 16:31:…
2	2	Deserunt velit bl…	Quia praesentium …	1	2024-01-15 16:31:…	2024-01-15 16:31:…
3	3	Nesciunt enim nih…	Minus id est dese…	0	2024-01-15 16:31:…	2024-01-15 16:31:…
4	4	Necessitatibus au…	Nemo qui dolorem …	0	2024-01-15 16:31:…	2024-01-15 16:31:…
5	5	Esse sed quae off…	Et earum dicta to…	1	2024-01-15 16:31:…	2024-01-15 16:31:…
6	6	Ad sint optio nih…	Quasi molestias n…	0	2024-01-15 16:31:…	2024-01-15 16:31:…
7	7	Enim ut ut sapien…	Illo et architect…	0	2024-01-15 16:31:…	2024-01-15 16:31:…
8	8	Autem odio nam co…	Explicabo id cons…	0	2024-01-15 16:31:…	2024-01-15 16:31:…
9	9	Minima recusandae…	A quis a nulla mo…	1	2024-01-15 16:31:…	2024-01-15 16:31:…
10	10	Qui vero harum ex…	A odit quisquam l…	0	2024-01-15 16:31:…	2024-01-15 16:31:…

Mostra de tasks

Crear controlador de tasks

```
→  example-app php artisan make:controller TaskController

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

Creó el controlador de tasks

```php
<?php

namespace App\Http\Controllers;

use App\Models\Task;


2 usages
class TaskController extends Controller
{
    1 usage
    public function index(): \Illuminate\
    {
        return view( view: 'tasks',[
            'tasks' => Task::all()
        ]);
    }
}
```

Mostra de TaskController

Craer model de tasks

```
→  example-app php artisan make:model Task

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

Creo el model de tasks

```php
<?php

namespace App\Models;

// use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Illuminate\Notifications\Notifiable;
use Laravel\Sanctum\HasApiTokens;

4 usages
class Task extends Model
{
    use HasApiTokens, HasFactory, Notifiable;

    /**
     * The attributes that are mass assignable.
     *
     * @var array<int, string>
     */
    no usages
    protected $fillable = [
        'name',
        'description',
        'completed',
    ];

    no usages
    protected $casts = [
        'completed' => 'boolean',
    ];
}
```

Mostra de Task.php

Crear ruta a routes/web.php i afegir la nova ruta al navegador al fitxer resources/views/components/layout.blade.php

```php
<?php

use ...

/*
|--------------------------------------------------------------------------
| Web Routes
|--------------------------------------------------------------------------
|
| Here is where you can register web routes for your application. T
| routes are loaded by the RouteServiceProvider and all of them wil
| be assigned to the "web" middleware group. Make something great!
|
*/

Route::get( uri: '/', function () {
    return view( view: 'welcome');
});
Route::get( uri: '/',[UserController::class,'index']);
Route::get( uri: '/users',[UserController::class,'index']);
Route::get( uri: '/tasks',[TaskController::class,'index']);
Route::get( uri: '/contact',[PagesController::class,'contact']);
Route::get( uri: '/about',[PagesController::class,'about']);
```

Creo la ruta

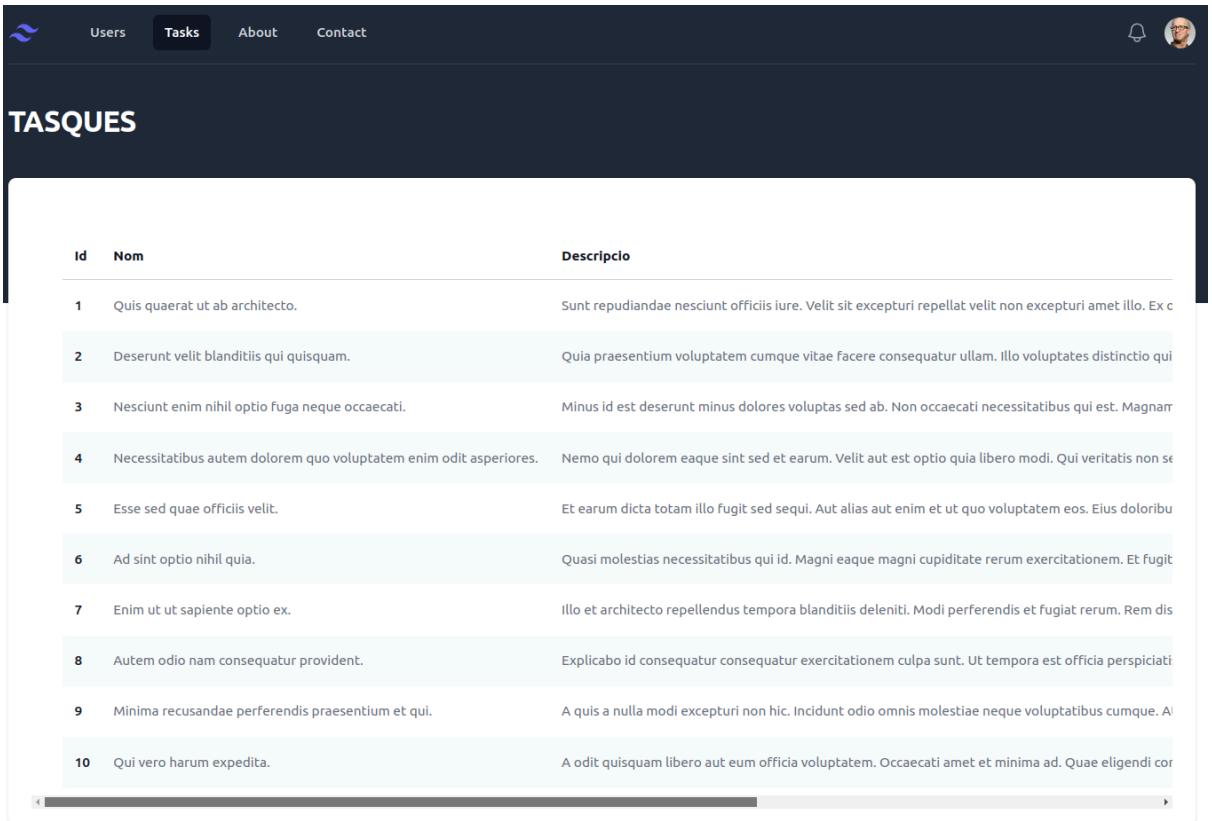
```blade
<div class="hidden md:block">
    <div class="ml-10 flex items-baseline space-x-4">
        <!-- Current: "bg-gray-900 text-white", Default: "text-gray-300 hover:bg-gray-700 hover:text-white" -->
        <a href="/users"
           class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">Users</a>
        <a href="/tasks" class="bg-gray-900 text-white rounded-md px-3 py-2 text-sm font-medium">Tasks</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="/contact"
           class="text-gray-300 hover:bg-gray-700 hover:text-white rounded-md px-3 py-2 text-sm font-medium">Contact</a>
                                </div>
```

afegeixo la nova ruta al navegador web al fitxer layout

crear la vista tasks.blade.php

```blade
<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">Descripcio</th>
            <th scope="col" class="px-3 py-3.5 text-left text-sm font-semibold text-gray-900">Completat</th>
        </tr>
        </thead>
        <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>
```

Creo la vista de tasks



Mostra de tasks