PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan generate:key

ERROR There are no commands defined in the "generate" namespace.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make generate:key

Laravel Framework 12.26.2

Usage:

command [options] [arguments]

Options:

-h, --help Display help for the given command. When no command is given display help for the list command

--silent Do not output any message

-q, --quiet Only errors are displayed. All other output is suppressed

-V, --version Display this application version

--ansi|--no-ansi Force (or disable --no-ansi) ANSI output

-n, --no-interaction Do not ask any interactive question

--env[=ENV] The environment the command should run under

-v|vv|vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands for the "make" namespace:

make:cache-table [cache:table] Create a migration for the cache database table

make:cast Create a new custom Eloquent cast class

make:channel Create a new channel class

make:class Create a new class

make:command Create a new Artisan command

make:component Create a new view component class

make:controller Create a new controller class

make:enum Create a new enum

make:event Create a new event class

make:exception Create a new custom exception class

make:factory Create a new model factory

make:interface Create a new interface

make:job Create a new job class

make:job-middleware Create a new job middleware class

make:listener Create a new event listener class

make:livewire Create a new Livewire component

make:mail Create a new email class

make:middleware Create a new HTTP middleware class

make:migration Create a new migration file

make:model Create a new Eloquent model class

make:notification Create a new notification class

make:notifications-table [notifications:table] Create a migration for the notifications table

make:observer Create a new observer class

make:policy Create a new policy class

make:provider Create a new service provider class

make:queue-batches-table [queue:batches-table] Create a migration for the batches database table

make:queue-failed-table [queue:failed-table] Create a migration for the failed queue jobs database table

make:queue-table [queue:table] Create a migration for the queue jobs database table

make:request Create a new form request class

make:resource Create a new resource

make:rule Create a new validation rule

make:scope Create a new scope class

make:seeder Create a new seeder class

make:session-table [session:table] Create a migration for the session database table

make:test Create a new test class

make:trait Create a new trait

make:view Create a new view

make:volt Create a new Volt component

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:key generate

ERROR Command "make:key" is not defined. Did you mean one of these?

⇂ make:cache-table

⇂ make:cast

⇂ make:channel

⇂ make:class

⇂ make:command

⇂ make:component

⇂ make:controller

⇂ make:enum

⇂ make:event

⇂ make:exception

⇂ make:factory

⇂ make:interface

⇂ make:job

⇂ make:job-middleware

⇂ make:listener

⇂ make:livewire

⇂ make:mail

⇂ make:middleware

⇂ make:migration

⇂ make:model

⇂ make:notification

⇂ make:notifications-table

⇂ make:observer

⇂ make:policy

⇂ make:provider

⇂ make:queue-batches-table

⇂ make:queue-failed-table

⇂ make:queue-table

⇂ make:request

⇂ make:resource

⇂ make:rule

⇂ make:scope

⇂ make:seeder

⇂ make:session-table

⇂ make:test

⇂ make:trait

⇂ make:view

⇂ make:volt

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan key generate

Command "key" is not defined.

Do you want to run "key:generate" instead? (yes/no) [no]:

> yes

No arguments expected for "key" command, got "generate".

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan key:generate

INFO Application key set successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:migrate

ERROR Command "make:migrate" is not defined. Did you mean one of these?

⇂ make:cache-table

⇂ make:cast

⇂ make:channel

⇂ make:class

⇂ make:command

⇂ make:component

⇂ make:controller

⇂ make:enum

⇂ make:event

⇂ make:exception

⇂ make:factory

⇂ make:interface

⇂ make:job

⇂ make:job-middleware

⇂ make:listener

⇂ make:livewire

⇂ make:mail

⇂ make:middleware

⇂ make:migration

⇂ make:model

⇂ make:notification

⇂ make:notifications-table

⇂ make:observer

⇂ make:policy

⇂ make:provider

⇂ make:queue-batches-table

⇂ make:queue-failed-table

⇂ make:queue-table

⇂ make:request

⇂ make:resource

⇂ make:rule

⇂ make:scope

⇂ make:seeder

⇂ make:session-table

⇂ make:test

⇂ make:trait

⇂ make:view

⇂ make:volt

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan migrate

Illuminate\Database\QueryException

SQLSTATE[HY000] [2002] Aucune connexion n’a pu être établie car l’ordinateur cible l’a expressément refusée (Connection: mysql, SQL: select exists (select 1 from information\_schema.tables where table\_schema = schema() and table\_name = 'migrations' and table\_type in ('BASE TABLE', 'SYSTEM VERSIONED')) as `exists`)

at vendor\laravel\framework\src\Illuminate\Database\Connection.php:824

820▕ $this->getName(), $query, $this->prepareBindings($bindings), $e

821▕ );

822▕ }

823▕

➜ 824▕ throw new QueryException(

825▕ $this->getName(), $query, $this->prepareBindings($bindings), $e

826▕ );

827▕ }

828▕ }

1 vendor\laravel\framework\src\Illuminate\Database\Connectors\Connector.php:66

PDOException::("SQLSTATE[HY000] [2002] Aucune connexion n’a pu être établie car l’ordinateur cible l’a expressément refusée")

2 vendor\laravel\framework\src\Illuminate\Database\Connectors\Connector.php:66

PDO::\_\_construct()

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan migrate

WARN The database 'EduPlacephp' does not exist on the 'mysql' connection.

Would you like to create it? (yes/no) [yes]

❯ yes

INFO Preparing database.

Creating migration table ......................................................... 130.11ms DONE

INFO Running migrations.

0001\_01\_01\_000000\_create\_users\_table ............................................. 112.22ms DONE

0001\_01\_01\_000001\_create\_cache\_table .............................................. 52.44ms DONE

0001\_01\_01\_000002\_create\_jobs\_table .............................................. 147.05ms DONE

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:models Enseignant -m

ERROR Command "make:models" is not defined. Did you mean one of these?

⇂ make:cache-table

⇂ make:cast

⇂ make:channel

⇂ make:class

⇂ make:command

⇂ make:component

⇂ make:controller

⇂ make:enum

⇂ make:event

⇂ make:exception

⇂ make:factory

⇂ make:interface

⇂ make:job

⇂ make:job-middleware

⇂ make:listener

⇂ make:livewire

⇂ make:mail

⇂ make:middleware

⇂ make:migration

⇂ make:model

⇂ make:notification

⇂ make:notifications-table

⇂ make:observer

⇂ make:policy

⇂ make:provider

⇂ make:queue-batches-table

⇂ make:queue-failed-table

⇂ make:queue-table

⇂ make:request

⇂ make:resource

⇂ make:rule

⇂ make:scope

⇂ make:seeder

⇂ make:session-table

⇂ make:test

⇂ make:trait

⇂ make:view

⇂ make:volt

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:model Enseignant -m

INFO Model [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\app\Models\Enseignant.php] created successfully.

INFO Migration [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115123\_create\_enseignants\_table.php] created successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace>

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan generate:key

ERROR There are no commands defined in the "generate" namespace.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make generate:key

Laravel Framework 12.26.2

Usage:

command [options] [arguments]

Options:

-h, --help Display help for the given command. When no command is given display help for the list command

--silent Do not output any message

-q, --quiet Only errors are displayed. All other output is suppressed

-V, --version Display this application version

--ansi|--no-ansi Force (or disable --no-ansi) ANSI output

-n, --no-interaction Do not ask any interactive question

--env[=ENV] The environment the command should run under

-v|vv|vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands for the "make" namespace:

make:cache-table [cache:table] Create a migration for the cache database table

make:cast Create a new custom Eloquent cast class

make:channel Create a new channel class

make:class Create a new class

make:command Create a new Artisan command

make:component Create a new view component class

make:controller Create a new controller class

make:enum Create a new enum

make:event Create a new event class

make:exception Create a new custom exception class

make:factory Create a new model factory

make:interface Create a new interface

make:job Create a new job class

make:job-middleware Create a new job middleware class

make:listener Create a new event listener class

make:livewire Create a new Livewire component

make:mail Create a new email class

make:middleware Create a new HTTP middleware class

make:migration Create a new migration file

make:model Create a new Eloquent model class

make:notification Create a new notification class

make:notifications-table [notifications:table] Create a migration for the notifications table

make:observer Create a new observer class

make:policy Create a new policy class

make:provider Create a new service provider class

make:queue-batches-table [queue:batches-table] Create a migration for the batches database table

make:queue-failed-table [queue:failed-table] Create a migration for the failed queue jobs database table

make:queue-table [queue:table] Create a migration for the queue jobs database table

make:request Create a new form request class

make:resource Create a new resource

make:rule Create a new validation rule

make:scope Create a new scope class

make:seeder Create a new seeder class

make:session-table [session:table] Create a migration for the session database table

make:test Create a new test class

make:trait Create a new trait

make:view Create a new view

make:volt Create a new Volt component

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:key generate

ERROR Command "make:key" is not defined. Did you mean one of these?

⇂ make:cache-table

⇂ make:cast

⇂ make:channel

⇂ make:class

⇂ make:command

⇂ make:component

⇂ make:controller

⇂ make:enum

⇂ make:event

⇂ make:exception

⇂ make:factory

⇂ make:interface

⇂ make:job

⇂ make:job-middleware

⇂ make:listener

⇂ make:livewire

⇂ make:mail

⇂ make:middleware

⇂ make:migration

⇂ make:model

⇂ make:notification

⇂ make:notifications-table

⇂ make:observer

⇂ make:policy

⇂ make:provider

⇂ make:queue-batches-table

⇂ make:queue-failed-table

⇂ make:queue-table

⇂ make:request

⇂ make:resource

⇂ make:rule

⇂ make:scope

⇂ make:seeder

⇂ make:session-table

⇂ make:test

⇂ make:trait

⇂ make:view

⇂ make:volt

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan key generate

Command "key" is not defined.

Do you want to run "key:generate" instead? (yes/no) [no]:

> yes

No arguments expected for "key" command, got "generate".

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan key:generate

INFO Application key set successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:migrate

ERROR Command "make:migrate" is not defined. Did you mean one of these?

⇂ make:cache-table

⇂ make:cast

⇂ make:channel

⇂ make:class

⇂ make:command

⇂ make:component

⇂ make:controller

⇂ make:enum

⇂ make:event

⇂ make:exception

⇂ make:factory

⇂ make:interface

⇂ make:job

⇂ make:job-middleware

⇂ make:listener

⇂ make:livewire

⇂ make:mail

⇂ make:middleware

⇂ make:migration

⇂ make:model

⇂ make:notification

⇂ make:notifications-table

⇂ make:observer

⇂ make:policy

⇂ make:provider

⇂ make:queue-batches-table

⇂ make:queue-failed-table

⇂ make:queue-table

⇂ make:request

⇂ make:resource

⇂ make:rule

⇂ make:scope

⇂ make:seeder

⇂ make:session-table

⇂ make:test

⇂ make:trait

⇂ make:view

⇂ make:volt

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan migrate

Illuminate\Database\QueryException

SQLSTATE[HY000] [2002] Aucune connexion n’a pu être établie car l’ordinateur cible l’a expressément refusée (Connection: mysql, SQL: select exists (select 1 from information\_schema.tables where table\_schema = schema() and table\_name = 'migrations' and table\_type in ('BASE TABLE', 'SYSTEM VERSIONED')) as `exists`)

at vendor\laravel\framework\src\Illuminate\Database\Connection.php:824

820▕ $this->getName(), $query, $this->prepareBindings($bindings), $e

821▕ );

822▕ }

823▕

➜ 824▕ throw new QueryException(

825▕ $this->getName(), $query, $this->prepareBindings($bindings), $e

826▕ );

827▕ }

828▕ }

1 vendor\laravel\framework\src\Illuminate\Database\Connectors\Connector.php:66

PDOException::("SQLSTATE[HY000] [2002] Aucune connexion n’a pu être établie car l’ordinateur cible l’a expressément refusée")

2 vendor\laravel\framework\src\Illuminate\Database\Connectors\Connector.php:66

PDO::\_\_construct()

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan migrate

WARN The database 'EduPlacephp' does not exist on the 'mysql' connection.

Would you like to create it? (yes/no) [yes]

❯ yes

INFO Preparing database.

Creating migration table ......................................................... 130.11ms DONE

INFO Running migrations.

0001\_01\_01\_000000\_create\_users\_table ............................................. 112.22ms DONE

0001\_01\_01\_000001\_create\_cache\_table .............................................. 52.44ms DONE

0001\_01\_01\_000002\_create\_jobs\_table .............................................. 147.05ms DONE

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:models Enseignant -m

ERROR Command "make:models" is not defined. Did you mean one of these?

⇂ make:cache-table

⇂ make:cast

⇂ make:channel

⇂ make:class

⇂ make:command

⇂ make:component

⇂ make:controller

⇂ make:enum

⇂ make:event

⇂ make:exception

⇂ make:factory

⇂ make:interface

⇂ make:job

⇂ make:job-middleware

⇂ make:listener

⇂ make:livewire

⇂ make:mail

⇂ make:middleware

⇂ make:migration

⇂ make:model

⇂ make:notification

⇂ make:notifications-table

⇂ make:observer

⇂ make:policy

⇂ make:provider

⇂ make:queue-batches-table

⇂ make:queue-failed-table

⇂ make:queue-table

⇂ make:request

⇂ make:resource

⇂ make:rule

⇂ make:scope

⇂ make:seeder

⇂ make:session-table

⇂ make:test

⇂ make:trait

⇂ make:view

⇂ make:volt

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:model Enseignant -m

INFO Model [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\app\Models\Enseignant.php] created successfully.

INFO Migration [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115123\_create\_enseignants\_table.php] created successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:model Apprenant -m

INFO Model [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\app\Models\Apprenant.php] created successfully.

INFO Migration [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115459\_create\_apprenants\_table.php] created successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:model Cours -m

INFO Model [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\app\Models\Cours.php] created successfully.

INFO Migration [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115541\_create\_cours\_table.php] created successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:model Seance -m

INFO Model [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\app\Models\Seance.php] created successfully.

INFO Migration [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115619\_create\_seances\_table.php] created successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan make:model Presence -m

INFO Model [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\app\Models\Presence.php] created successfully.

INFO Migration [C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115648\_create\_presences\_table.php] created successfully.

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan migrate

INFO Running migrations.

2025\_08\_27\_115123\_create\_enseignants\_table ....................................... 333.53ms DONE

2025\_08\_27\_115459\_create\_apprenants\_table ......................................... 19.06ms DONE

2025\_08\_27\_115541\_create\_cours\_table .............................................. 73.89ms DONE

2025\_08\_27\_115619\_create\_seances\_table ............................................ 35.87ms DONE

2025\_08\_27\_115648\_create\_presences\_table ........................................... 0.32ms FAIL

BadMethodCallException

Method Illuminate\Database\Schema\Blueprint::bool does not exist.

at vendor\laravel\framework\src\Illuminate\Macroable\Traits\Macroable.php:115

111▕ \*/

112▕ public function \_\_call($method, $parameters)

113▕ {

114▕ if (! static::hasMacro($method)) {

➜ 115▕ throw new BadMethodCallException(sprintf(

116▕ 'Method %s::%s does not exist.', static::class, $method

117▕ ));

118▕ }

119▕

1 database\migrations\2025\_08\_27\_115648\_create\_presences\_table.php:16

Illuminate\Database\Schema\Blueprint::\_\_call()

2 vendor\laravel\framework\src\Illuminate\Database\Schema\Builder.php:475

Illuminate\Database\Migrations\Migration@anonymous\C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace\database\migrations\2025\_08\_27\_115648\_create\_presences\_table.php:7$11f::{closure}()

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace> php artisan migrate:refresh

INFO Rolling back migrations.

2025\_08\_27\_115619\_create\_seances\_table ............................................ 27.75ms DONE

2025\_08\_27\_115541\_create\_cours\_table .............................................. 21.11ms DONE

2025\_08\_27\_115459\_create\_apprenants\_table ......................................... 12.69ms DONE

2025\_08\_27\_115123\_create\_enseignants\_table ........................................ 27.93ms DONE

0001\_01\_01\_000002\_create\_jobs\_table ............................................... 66.16ms DONE

0001\_01\_01\_000001\_create\_cache\_table .............................................. 55.27ms DONE

0001\_01\_01\_000000\_create\_users\_table .............................................. 67.56ms DONE

INFO Running migrations.

0001\_01\_01\_000000\_create\_users\_table ............................................. 128.44ms DONE

0001\_01\_01\_000001\_create\_cache\_table .............................................. 65.38ms DONE

0001\_01\_01\_000002\_create\_jobs\_table .............................................. 158.24ms DONE

2025\_08\_27\_115123\_create\_enseignants\_table ........................................ 19.34ms DONE

2025\_08\_27\_115459\_create\_apprenants\_table ......................................... 75.42ms DONE

2025\_08\_27\_115541\_create\_cours\_table .............................................. 61.44ms DONE

2025\_08\_27\_115619\_create\_seances\_table ............................................ 24.77ms DONE

2025\_08\_27\_115648\_create\_presences\_table .......................................... 55.64ms DONE

PS C:\Users\gd\Documents\EDUPLACEAPPLI\GestionEduplace>

Parfait, je vais te guider **précisément étape par étape**, en te disant **où** (dans le terminal ou dans le code) faire chaque chose.

**🔧 ÉTAPE PAR ÉTAPE : Où faire quoi**

**✅ Étape 1 : Générer les contrôleurs**

📍 **À faire dans le TERMINAL** (Visual Studio Code en bas, onglet "TERMINAL")

Tape ces commandes **une par une** dans ton terminal :

php artisan make:controller EnseignantController --resource

php artisan make:controller ApprenantController --resource

php artisan make:controller CoursController --resource

php artisan make:controller SeanceController --resource

php artisan make:controller PresenceController --resource

**✅ Étape 2 : Déclarer les routes**

📍 **À faire dans le CODE**  
➡️ Ouvre le fichier : routes/web.php

📌 Ajoute ceci en bas (ou après les routes existantes) :

use App\Http\Controllers\EnseignantController;

use App\Http\Controllers\ApprenantController;

use App\Http\Controllers\CoursController;

use App\Http\Controllers\SeanceController;

use App\Http\Controllers\PresenceController;

Route::resource('enseignants', EnseignantController::class);

Route::resource('apprenants', ApprenantController::class);

Route::resource('cours', CoursController::class);

Route::resource('seances', SeanceController::class);

Route::resource('presences', PresenceController::class);

**✅ Étape 3 : Créer les vues Blade**

📍 **À faire dans le CODE**

1. Va dans resources/views/
2. Crée un dossier pour chaque entité (clic droit > "New Folder") :

enseignants/

apprenants/

cours/

seances/

presences/

1. Dans chaque dossier, ajoute au moins :
   * index.blade.php
   * create.blade.php
   * edit.blade.php

Clic droit > "New File" pour les créer.

**✅ Étape 4 : Écrire le CRUD dans les contrôleurs**

📍 **À faire dans le CODE**

Va dans app/Http/Controllers/EnseignantController.php  
Et écris le code suivant pour démarrer (exemple : index, create, store) :

use App\Models\Enseignant;

use Illuminate\Http\Request;

class EnseignantController extends Controller

{

public function index()

{

$enseignants = Enseignant::all();

return view('enseignants.index', compact('enseignants'));

}

public function create()

{

return view('enseignants.create');

}

public function store(Request $request)

{

$request->validate([

'nom' => 'required',

'prenom' => 'required',

]);

Enseignant::create($request->all());

return redirect()->route('enseignants.index');

}

}

Tu feras pareil dans les autres contrôleurs.

**✅ Étape 5 : Créer la table pivot**

📍 **À faire dans le TERMINAL**

php artisan make:migration create\_apprenant\_seance\_table --create=apprenant\_seance

📍 **Puis dans le CODE**  
Va dans database/migrations/xxxx\_create\_apprenant\_seance\_table.php

Et remplace le contenu de up() par :

Schema::create('apprenant\_seance', function (Blueprint $table) {

$table->id();

$table->foreignId('apprenant\_id')->constrained()->onDelete('cascade');

$table->foreignId('seance\_id')->constrained()->onDelete('cascade');

$table->timestamps();

});

📍 **Retourne dans le TERMINAL** pour exécuter les migrations :

php artisan migrate

**✅ Étape 6 : Gérer les présences**

📍 **À faire dans le CODE**

Dans le modèle Presence.php (app/Models/Presence.php), ajoute :

public function apprenant() {

return $this->belongsTo(Apprenant::class);

}

public function seance() {

return $this->belongsTo(Seance::class);

}

**✅ Étape 7 : Calcul des heures étudiées**

📍 **À faire dans le CODE**

Dans app/Models/Apprenant.php :

use Illuminate\Support\Facades\DB;

public function heuresEtudiees()

{

return $this->hasMany(Presence::class)

->where('present', true)

->join('seances', 'presences.seance\_id', '=', 'seances.id')

->sum(DB::raw('TIMESTAMPDIFF(HOUR, seances.heure\_debut, seances.heure\_fin)'));

}

**✨ Résumé : Où tu mets chaque chose**

| **Étape** | **Où ?** | **Action** |
| --- | --- | --- |
| 1 | Terminal | Générer les 5 contrôleurs php artisan make:controller ... |
| 2 | routes/web.php | Définir les routes avec Route::resource(...) |
| 3 | resources/views/ | Créer les dossiers et les fichiers Blade |
| 4 | Contrôleurs (app/Http/Controllers/) | Écrire le code du CRUD pour chaque entité |
| 5 | Terminal + migrations/ | Créer migration table pivot + php artisan migrate |
| 6 | app/Models/Presence.php | Déclarer relations belongsTo() |
| 7 | app/Models/Apprenant.php | Ajouter méthode heuresEtudiees() |

Souhaites-tu que je te **fasse entièrement une entité complète (CRUD complet pour Enseignant)** pour te servir d'exemple ?