

Documentation TP2 Laravel

Lien Github : <https://github.com/bouryfaye/tp2-laravel.git>

Lien Webdev : <https://e2296585.webdev.cmaisonneuve.gc.ca/tp2-laravel/>

Compte utilisateur :

- Email : fayeboury@gmail.com
- Mot de passe : 123456

Création d'un contrôleur pour paramétrer l'authentification :

```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:controller CustomAuthController
INFO Controller [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Http\Controllers\CustomAuthController.php] created successfully.
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585>
```

Ajout de la clé étrangère **user_id** à la table **etudiants** :

The screenshot shows the 'etudiants' table structure in SQL Server Enterprise Manager. The table is located in the 'maisonneuve_test' schema. The columns are: ville_id (BIGINT, PK, NN, UQ, B, UN, ZF, AI, G), user_id (BIGINT, NN, UQ, B, UN, ZF, AI, G), created_at (TIMESTAMP), and updated_at (TIMESTAMP). The 'user_id' column is highlighted. The 'Foreign Keys' tab is selected at the bottom.

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
ville_id	BIGINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
user_id	BIGINT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
created_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
updated_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Column Name: user_id
Data Type: BIGINT
Charset/Collation: Default Charset
Default:
Storage: ☐ Virtual ☐ Stored
☐ Primary Key ☐ Not Null ☐ Unique
☐ Binary ☒ Unsigned ☐ Zero Fill
☐ Auto Increment ☐ Generated

Review SQL Script

Apply SQL Script

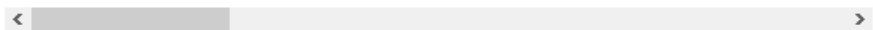
Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default

Lock Type: Default

```
1 ALTER TABLE `maisonneuve_test`.`etudiants`  
2 ADD COLUMN `user_id` INT UNSIGNED NOT NULL AFTER `updated_at`;  
3
```



Back

Apply

Cancel

Connection Options

Connect to DBMS

Select Schemas

Retrieve Objects

Select Objects

Reverse Engineer

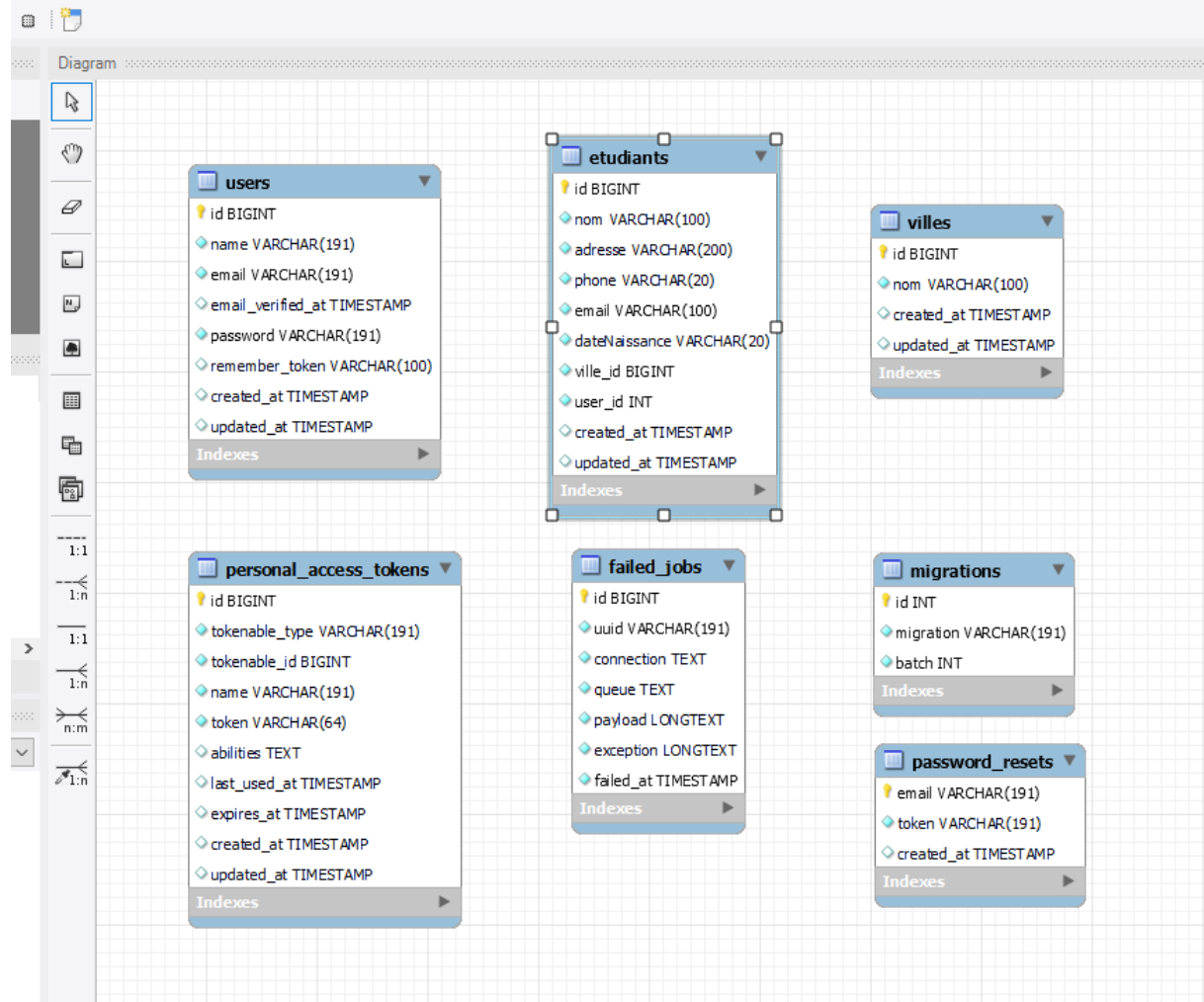
Results

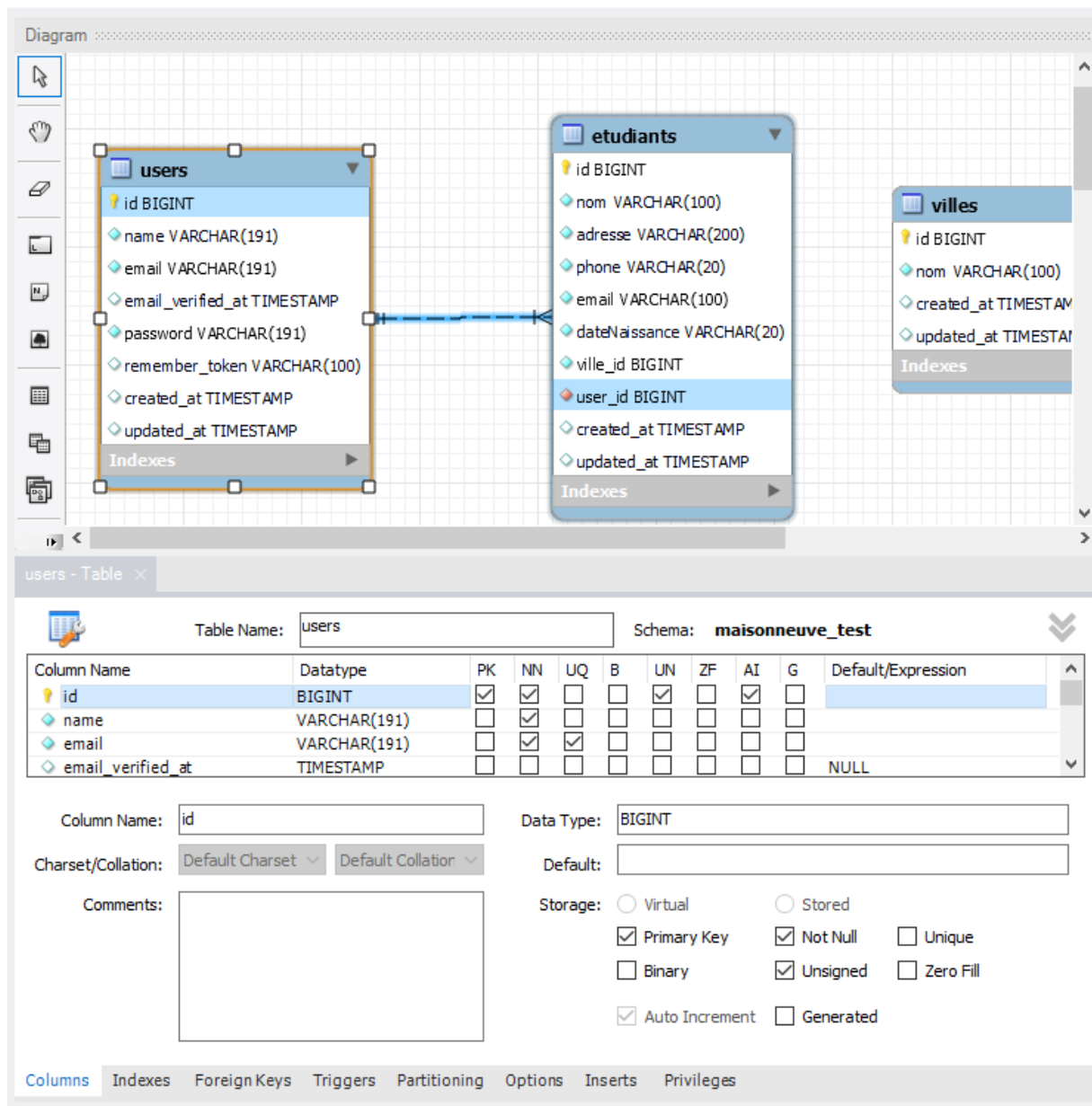
Select Schemas to Reverse Engineer

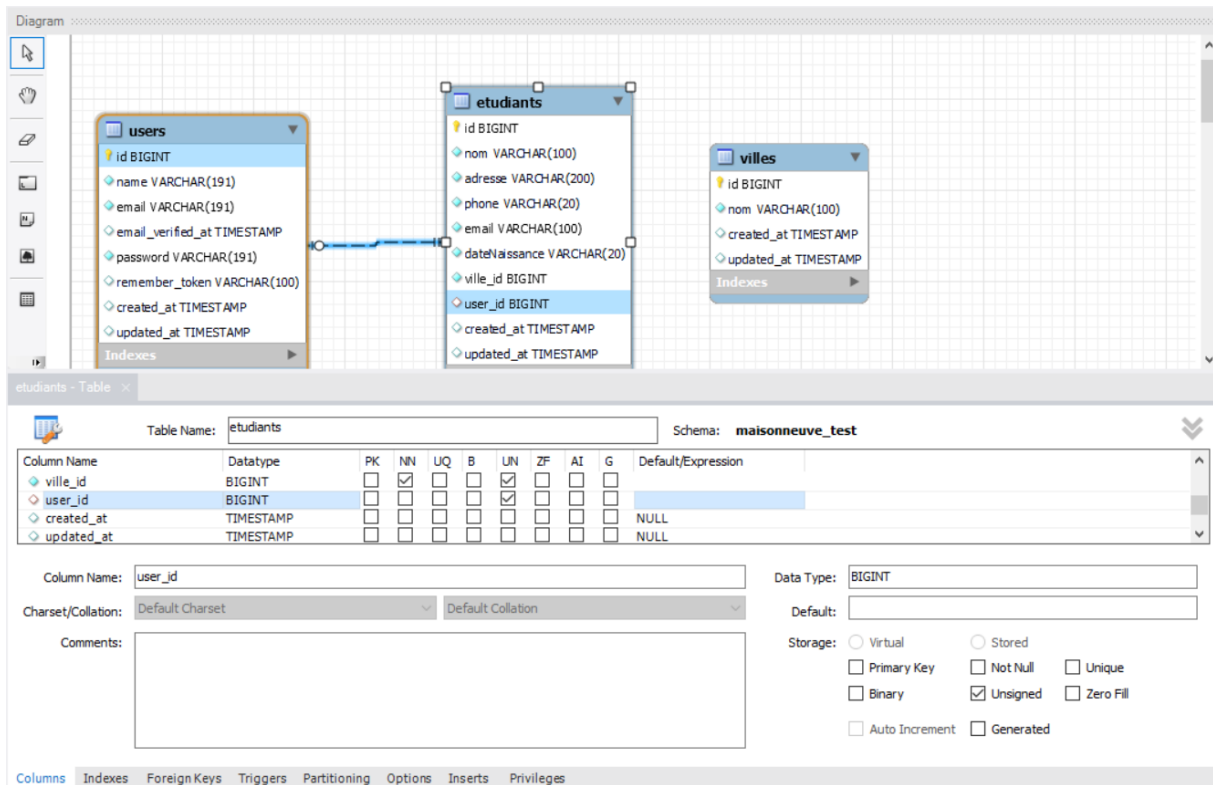


Select the schemas you want to include:

- ☐ 31b
- ☐ cinema
- ☐ idj_tp2
- ☒ maisonneuve_test
- ☐ mvc
- ☐ my_blog
- ☐ stampee
- ☐ stampee2
- ☐ stampeenew
- ☐ stampeesansrole







odel* x EER Diagram x EER Diagram1 x EER Diagram2 x

Database Tools Scripting Help

Diagram

users

id BIGINT

name VARCHAR(191)

email VARCHAR(191)

email_verified_at TIMESTAMP

password VARCHAR(191)

remember_token VARCHAR(100)

created_at TIMESTAMP

updated_at TIMESTAMP

Indexes

etudiants

id BIGINT

nom VARCHAR(100)

adresse VARCHAR(200)

phone VARCHAR(20)

email VARCHAR(100)

dateNaissance VARCHAR(20)

ville_id BIGINT

user_id BIGINT

created_at TIMESTAMP

updated_at TIMESTAMP

Indexes

villes

id BIGINT

nom VARCHAR(100)

created_at TIMESTAMP

updated_at TIMESTAMP

Indexes

etudiants - Table

Table Name: etudiants

Schema: maisonneuve_test

Foreign Key Name	Referenced Table	Column	Referenced Column
fk_etudiants_users	'maisonneuve_test'. 'users'	<input type="checkbox"/> id <input type="checkbox"/> nom <input type="checkbox"/> adresse <input type="checkbox"/> phone <input type="checkbox"/> email <input type="checkbox"/> dateNaissance <input type="checkbox"/> ville_id <input checked="" type="checkbox"/> user_id <input type="checkbox"/> created_at <input type="checkbox"/> updated_at	id

Foreign Key Options

On Update: NO ACTION

On Delete: NO ACTION

☐ Skip in SQL generation

Foreign Key Comment

Columns

Indexes

Foreign Keys

Triggers

Partitioning

Options

Inserts

Privileges

Synchronize Model with Database

Connection Options
Sync Options
Connect to DBMS
Select Schemas
Retrieve Objects
Select Changes to Apply
Review DB Changes
Synchronize Progress

Model and Database Differences

Double click arrows in the list to choose whether to ignore changes, update the model with database changes or vice-versa. You can also apply an action to multiple selected rows.

Model	Update	Source
▼ maisonneuve_test		maisonneuve_test
etudiants	→	etudiants
failed_jobs	↔	failed_jobs
migrations	↔	migrations
password_resets	↔	password_resets
personal_access_tokens	↔	personal_access_tokens
users	→	users
villes	↔	villes

```

ALTER TABLE `maisonneuve_test`.`etudiants`
ENGINE = InnoDB ,
CHANGE COLUMN `user_id` `user_id` BIGINT(19) UNSIGNED NOT NULL ,
ADD INDEX `fk_etudiants_users_idx` (`user_id` ASC) VISIBLE;

ALTER TABLE `maisonneuve_test`.`etudiants`
ADD CONSTRAINT `fk_etudiants_users`
FOREIGN KEY (`user_id`)
REFERENCES `maisonneuve_test`.`users` (`id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION

```

Update Model Ignore Update Source Table Mapping... Column Mapping...

Back Next Cancel

Synchronize Model with Database

Connection Options
Sync Options
Connect to DBMS
Select Schemas
Retrieve Objects
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Model and Database Differences

Double click arrows in the list to choose whether to ignore changes, update the model with database changes or vice-versa. You can also apply an action to multiple selected rows.

Model	Update	Source
▼ maisonneuve_test		maisonneuve_test
etudiants	→	etudiants
failed_jobs	↔	failed_jobs
migrations	↔	migrations
password_resets	↔	password_resets
personal_access_tokens	↔	personal_access_tokens
users	→	users
villes	↔	villes

```

ALTER TABLE `maisonneuve_test`.`users`
ENGINE = InnoDB

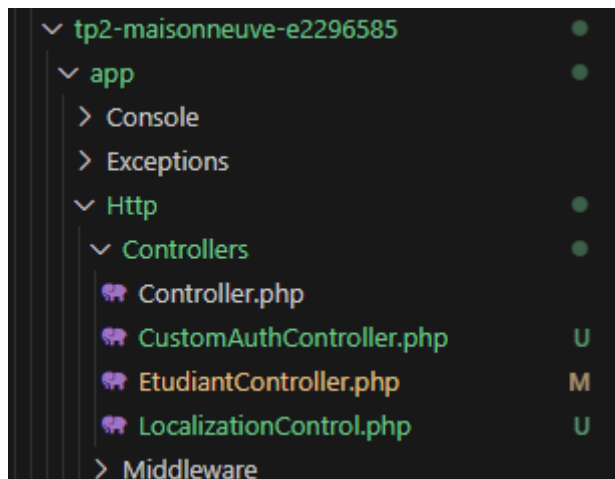
```

Création du contrôleur **LocalizationController** pour paramétrer la traduction en anglais et en français :

```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:controller LocalizationControl
```

```
INFO Controller [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Http\Controllers\LocalizationControl.php] created successfully.
```

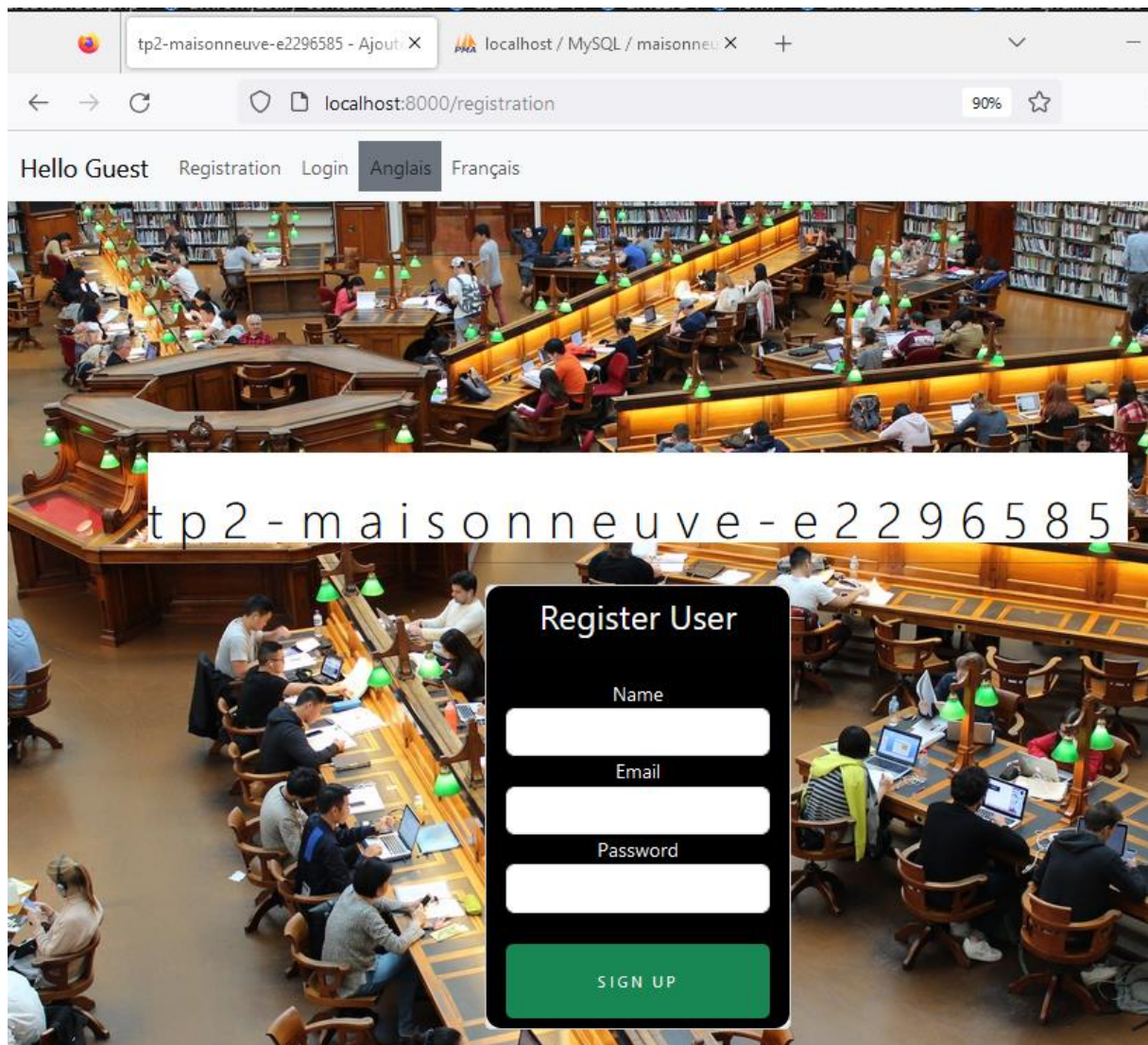
```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> 
```

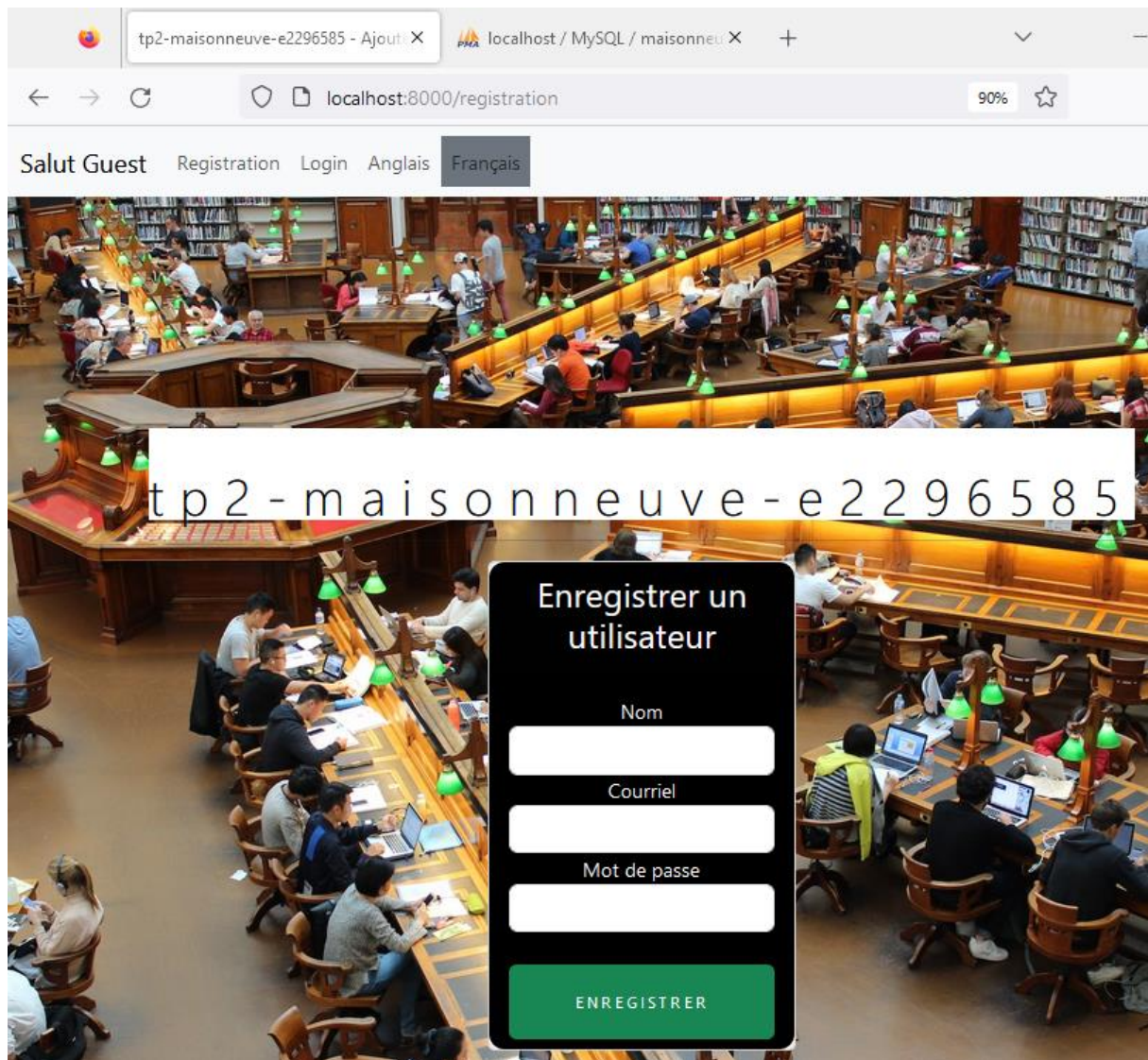


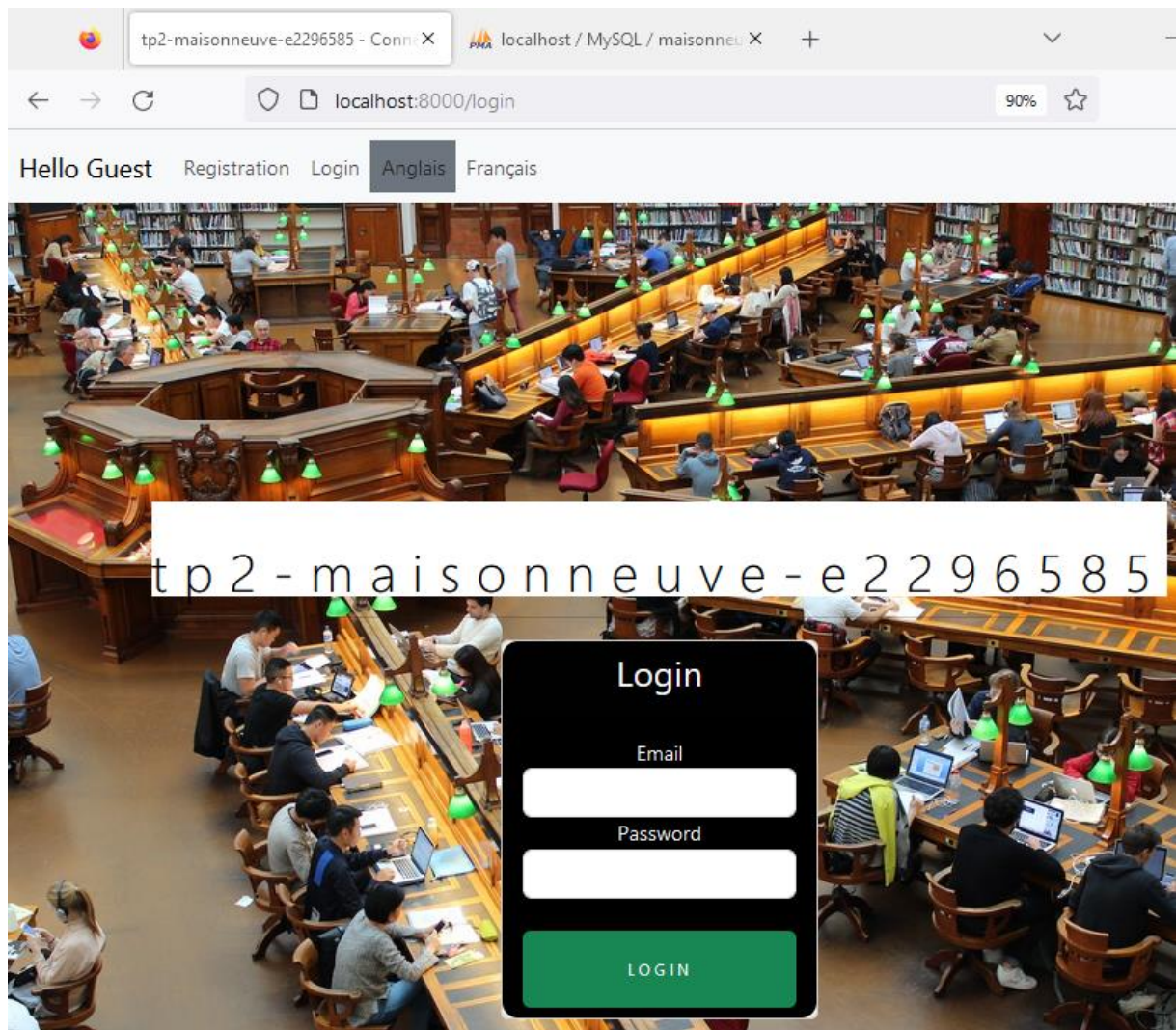
```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:middleware Localization
```

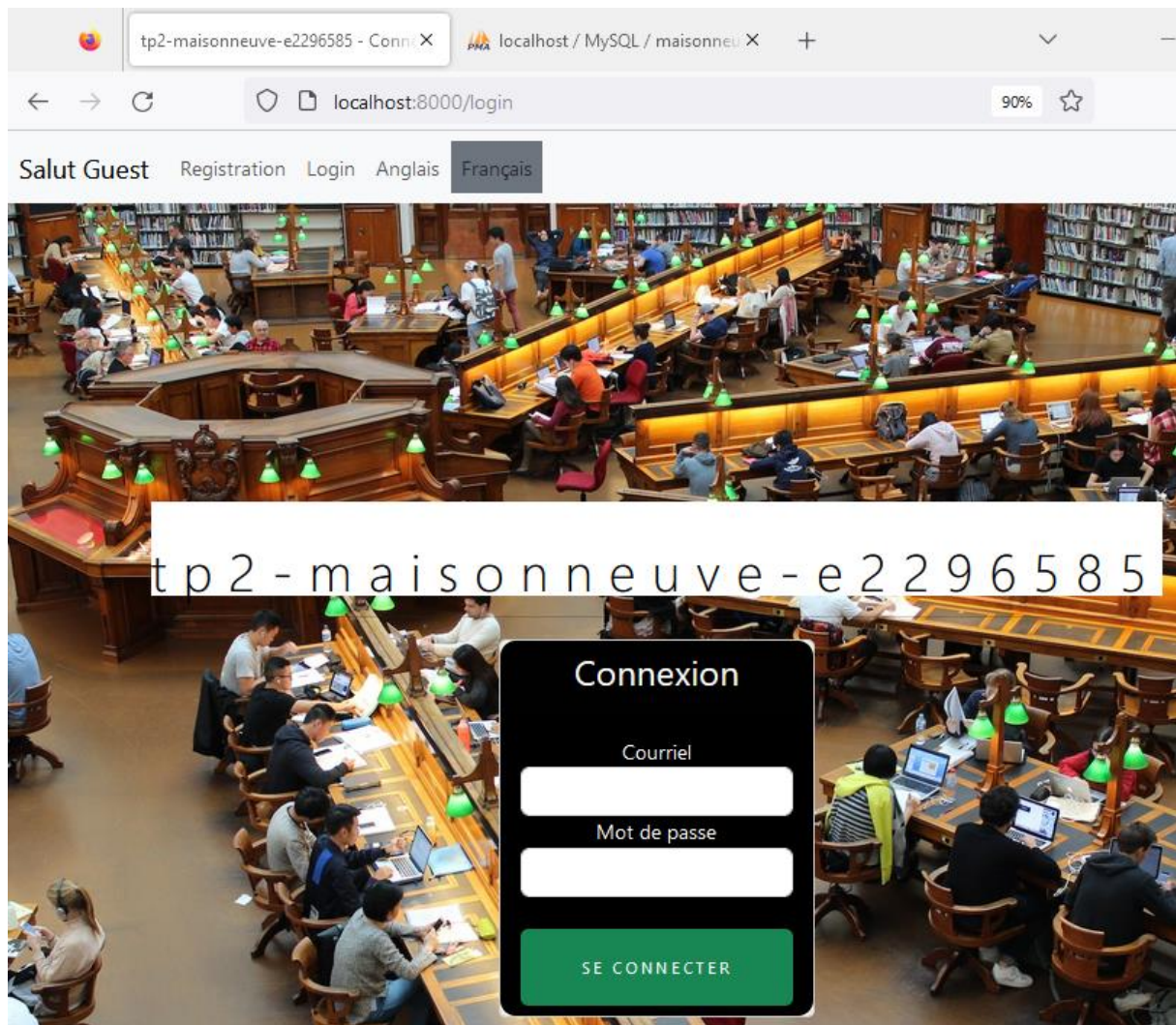
```
INFO Middleware [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Http\Middleware\Localization.php] created successfully.
```

```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585>
```







Ajout d'un **Blog** dans le projet :

```
TERMINAL  PROBLEMS 1  OUTPUT  DEBUG CONSOLE  PORTS
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:model BlogPost -m
INFO Model [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Models\BlogPost.php] created successfully.
INFO Migration [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\database\migrations\2023_10_14_032129_create_blog_posts_table.php]
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585>
```

```
2023_10_14_032129_create_blog_posts_table.php U X
iciel > tp2-maisonneuve-e2296585 > database > migrations > 2023_10_14_032129_create_blog_p
6
7   return new class extends Migration
8   {
9       /**
10        * Run the migrations.
11        *
12        * @return void
13        */
14       public function up()
15       {
16           Schema::create('blog_posts', function (Blueprint $table) {
17               $table->id();
18               $table->string('title', 100);
19               $table->text('content');
20               $table->integer('user_id');
21               $table->timestamps();
22           });
23       }
24
25       /**
26        * Reverse the migrations.
```

```
PS C:\Users\Boury\Desktop\22634 Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan migrate
INFO Running migrations.
2023_10_14_032129_create_blog_posts_table ..... 269ms DONE
PS C:\Users\Boury\Desktop\22634 Cours\22634_cadriciel\tp2-maisonneuve-e2296585>
```

SCHEMAS

Filter objects

- 31b
- cinema
- db_product
- idj_tp2
- maisonneuve_test**
 - Tables
 - blog_posts**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - etudiants
 - failed_jobs
 - migrations
 - password_resets
 - personal_access_tokens
 - users
 - villes
 - Views
 - Stored Procedures

Administration Schemas

Information

Table: blog_posts


Columns:

id	bigint UN AI PK
title	varchar(100)
content	text
user_id	int
created_at	timestamp
updated_at	timestamp

```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:controller BlogPostController -m BlogPost
INFO Controller [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Http\Controllers\BlogPostController.php]
```

Ajout clé étrangère **user_id** dans la table **BlogPost** :

maisonneuve_test - Schema



Name: maisonneuve_test

Rename References

Charset/Collation: utf8 utf8_bin

Comments:

Specify the name of the schema here. You can

Refactor model, changing all references found in view, triggers, stored procedures and functions from the old

The character set and its collation selected here

Reverse Engineer Database

Connection Options

Connect to DBMS

Select Schemas

Retrieve Objects

Select Objects

Reverse Engineer

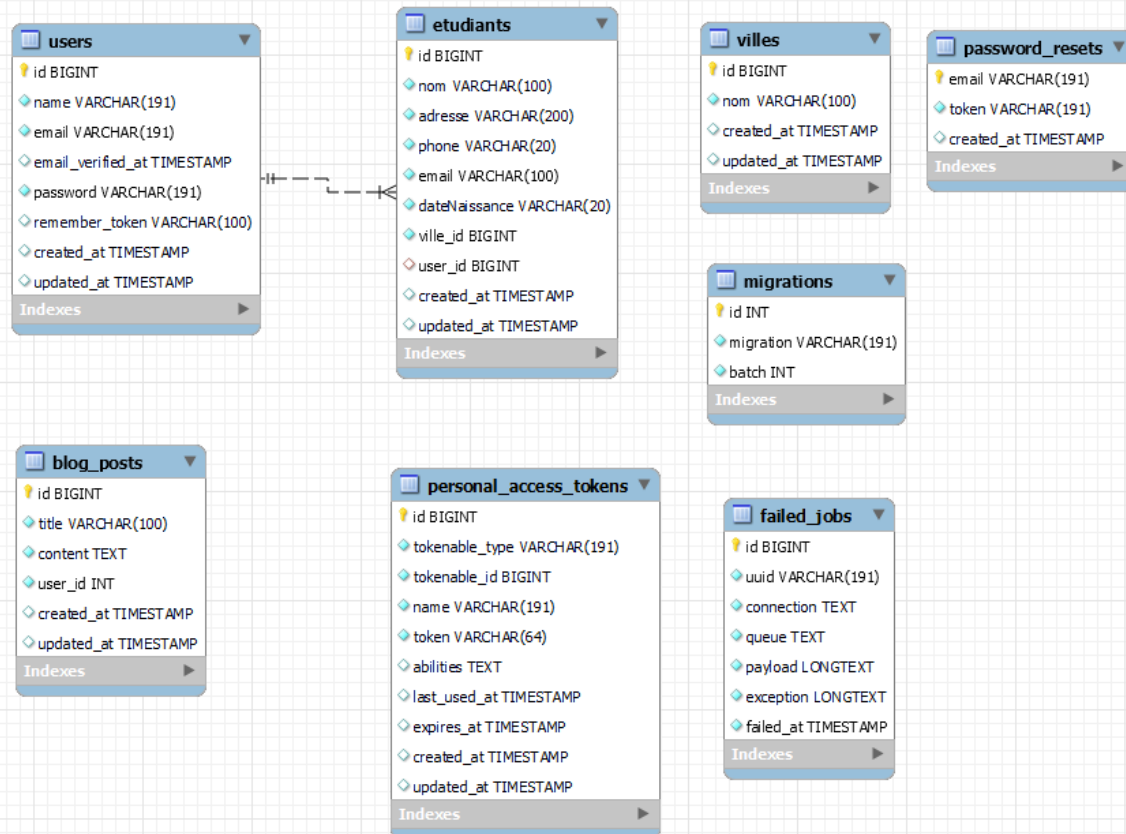
Results

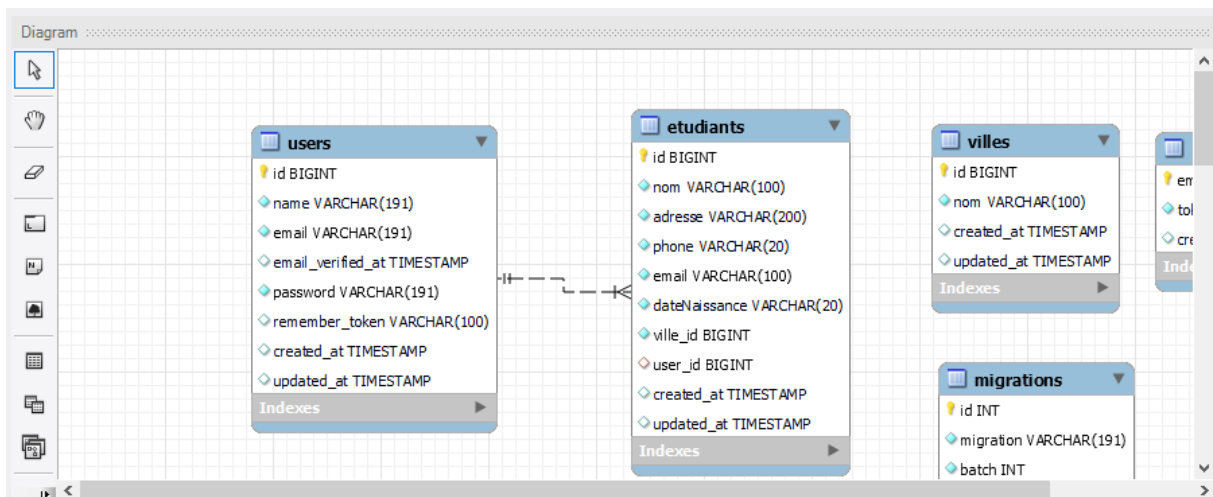
Reverse Engineering Progress

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

- ☒ Reverse Engineer Selected Objects
- ☒ Place Objects on Diagram

Operation Completed Successfully





blog_posts - Table

Table Name: Schema: **maisonneuve_test**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
user_id	BIGINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
created_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
updated_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Column Name: Data Type:

Charset/Collation:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☒ Not Null ☐ Unique

☐ Binary ☒ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Comments:

blog_posts - Table

Table Name: Schema: **maisonneuve_test**

Foreign Key Name	Referenced Table	Column	Referenced Column
fk_blog_posts_users	maisonneuve_test.users	<input checked="" type="checkbox"/> user_id	id

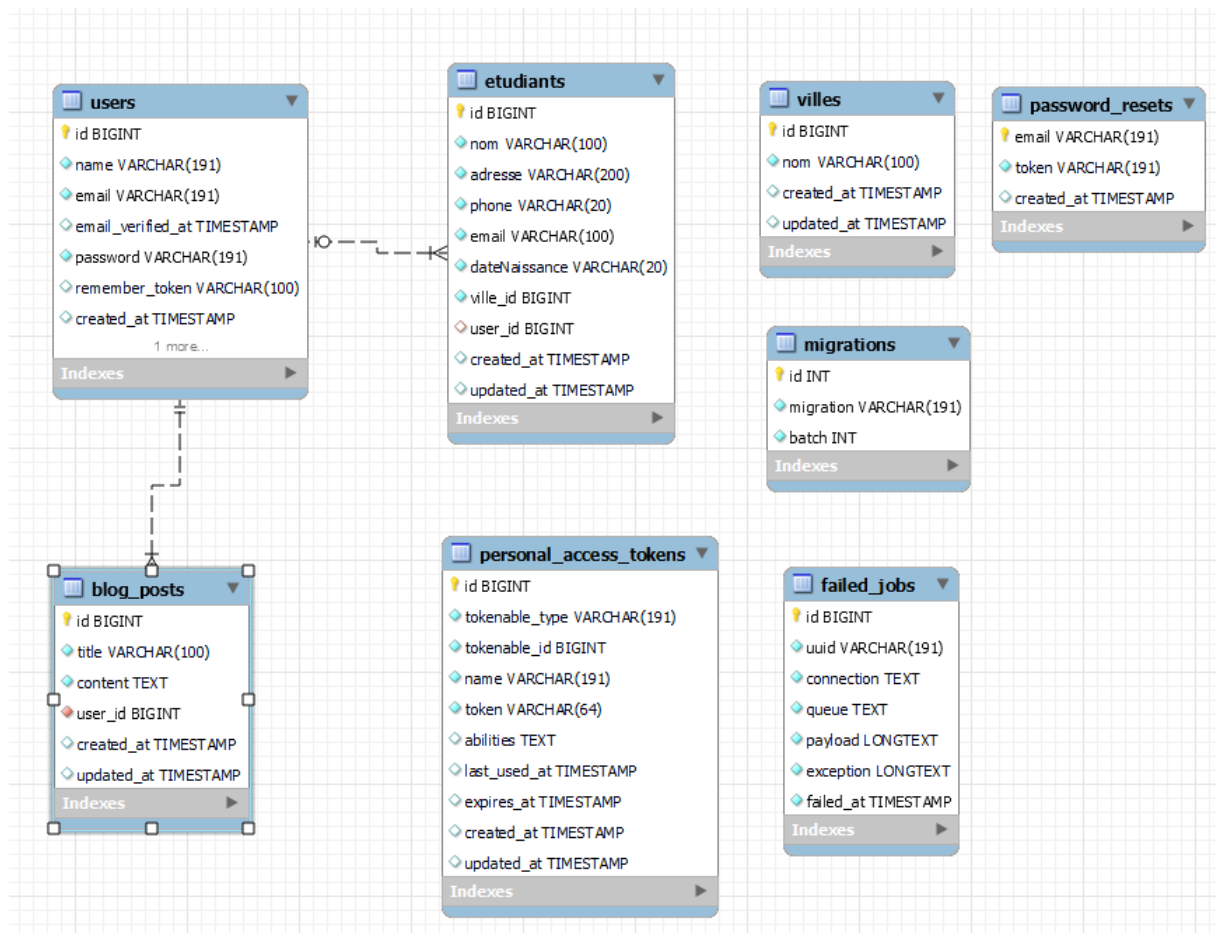
Foreign Key Options

On Update:

On Delete:

☐ Skip in SQL generation

Foreign Key Comment:



Synchronize Model with Database

- Connection Options
- Sync Options
- Connect to DBMS
- Select Schemas
- Retrieve Objects
- Select Changes to Apply**
- Review DB Changes
- Synchronize Progress

Model and Database Differences

Double click arrows in the list to choose whether to ignore changes, update the model with database changes or vice-versa. You can also apply an action to multiple selected rows.

Model	Update	Source
▼ maisonneuve_test		maisonneuve_test
blog_posts	→	blog_posts
etudiants	↔	etudiants
failed_jobs	↔	failed_jobs
migrations	↔	migrations
password_resets	↔	password_resets
personal_access_tokens	↔	personal_access_tokens
users	↔	users
villes	↔	villes

```

ALTER TABLE `maisonneuve_test`.`blog_posts`
ENGINE = InnoDB ,
CHANGE COLUMN `user_id` `user_id` BIGINT(19) UNSIGNED NOT NULL ,
ADD INDEX `fk_blog_posts_users_idx` (`user_id` ASC) VISIBLE;

ALTER TABLE `maisonneuve_test`.`blog_posts`
ADD CONSTRAINT `fk_blog_posts_users`
FOREIGN KEY (`user_id`)
REFERENCES `maisonneuve_test`.`users` (`id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION

```

Ajout d'un Répertoire de documents :

```

PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:model File -m
[INFO] Model [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Models\File.php] created successfully.
[INFO] Migration [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\database\migrations\2023_10_16_033203_create_documents_table.php] created successfully.

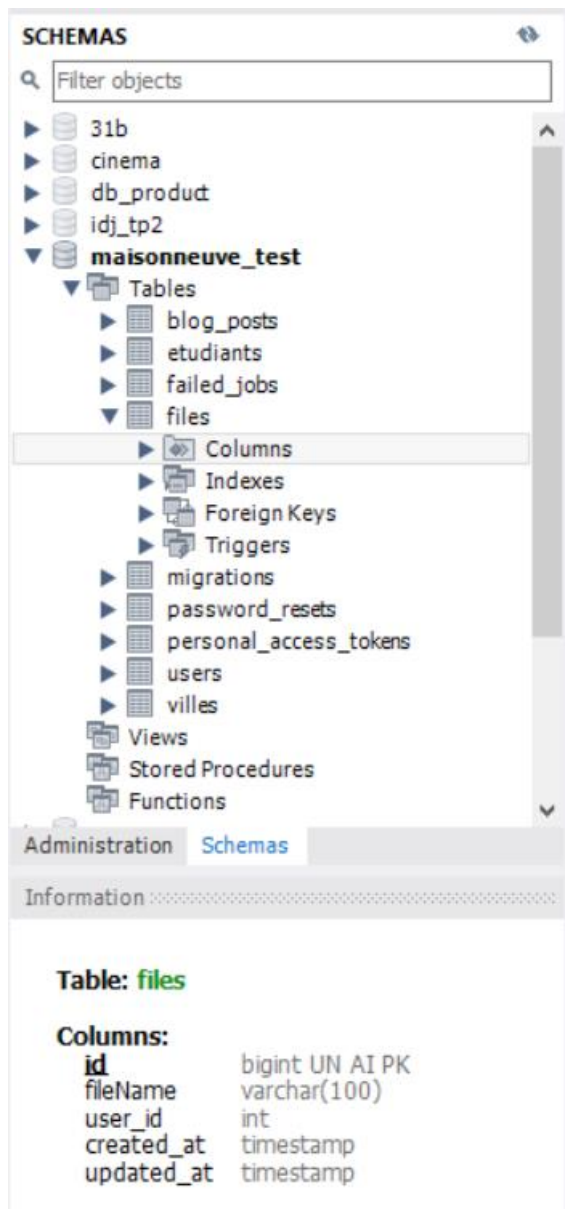
```

```
2023_10_14_032129_create_blog_posts_table.php U  File.php U  2023_10_16_035730_create_files_table.php U >
22634_Cours > 22634_cadriciel > tp2-maisonneuve-e2296585 > database > migrations > 2023_10_16_035730_create_files_table.php
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      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14     public function up()
15     {
16         Schema::create('files', function (Blueprint $table) {
17             $table->id();
18             $table->string('fileName', 100);
19             $table->integer('user_id');
20             $table->timestamps();
21         });
22     }
23
24     /**
25      * Reverse the migrations.
26      *
27      * @return void
28      */
29     public function down()
30     {
31     }
```

```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan migrate
INFO Running migrations.

2023_10_16_033203_create_files_table ..... 123ms DONE

PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585>
```



```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> php artisan make:controller UploadController -m File
```

```
INFO Controller [C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585\app\Http\Controllers\UploadController.php] created successfully.
```

```
PS C:\Users\Boury\Desktop\22634_Cours\22634_cadriciel\tp2-maisonneuve-e2296585> 
```

files - Table

Table Name: Schema: **maisonneuve_test**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	BIGINT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
fileName	VARCHAR(100)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
user_id	BIGINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
created_at	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Column Name: Data Type:

Charset/Collation:

Comments:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☒ Not Null ☐ Unique

☐ Binary ☒ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns | Indexes | Foreign Keys | Triggers | Partitioning | Options | Inserts | Privileges

files - Table

Table Name: Schema: **maisonneuve_test**

Foreign Key Name	Referenced Table
fk_files_users	'maisonneuve_test'. 'users'

Column	Referenced Column
<input type="checkbox"/> id	
<input type="checkbox"/> fileName	
<input checked="" type="checkbox"/> user_id	id
<input type="checkbox"/> created_at	
<input type="checkbox"/> updated_at	

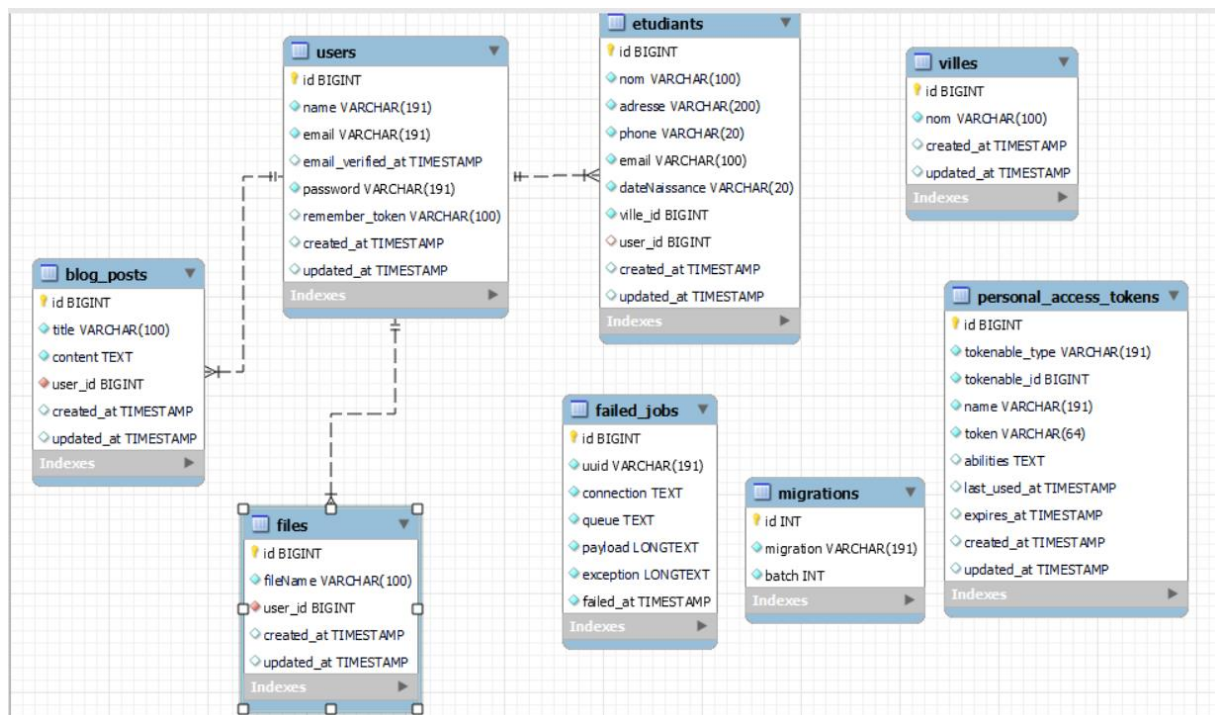
Foreign Key Options

On Update:

On Delete:

☐ Skip in SQL generation

Foreign Key Comment:



- Connection Options
- Sync Options
- Connect to DBMS
- Select Schemas
- Retrieve Objects
- Select Changes to Apply**
- Review DB Changes
- Synchronize Progress

Model and Database Differences

Double click arrows in the list to choose whether to ignore changes, update the model with database changes or vice-versa. You can also apply an action to multiple selected rows.

Model	Update	Source
▼ maisonneuve_test		maisonneuve_test
blog_posts		blog_posts
etudiants		etudiants
failed_jobs		failed_jobs
files	→	files
migrations		migrations
password_resets		password_resets
personal_access_tokens		personal_access_tokens
users		users
villes		villes

```
ALTER TABLE `maisonneuve_test`.`files`  
ENGINE = InnoDB ,  
CHANGE COLUMN `user_id` `user_id` BIGINT(19) UNSIGNED NOT NULL ,  
ADD INDEX `fk_files_users_idx` (`user_id` ASC) VISIBLE;  
  
ALTER TABLE `maisonneuve_test`.`files`  
ADD CONSTRAINT `fk_files_users`  
FOREIGN KEY (`user_id`)  
REFERENCES `maisonneuve_test`.`users` (`id`)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION
```

Update Model

Ignore

Update Source

Table Mapping...

Column Mapping...

Back

Next

Cancel