RAPPORT DE TP

IDRISSI HASSANI AYOUB

CREATION DE PROJET :

```
composer create-project symfony/skeleton:"^4.4" restaumanage-idrissiHassaniAyoub
```

INSTALATION DE DOCTRINE | ORM :

```
composer require symfony/orm-pack
```

```
composer require --dev symfony/maker-bundle
```

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ composer require symfony/orm-pack
Using version ^2.1 for symfony/orm-pack
./composer.json has been updated
Running composer update symfony/orm-pack
Loading composer repositories with package information
Restricting packages listed in "symfony/symfony" to "4.4.*"
Updating dependencies
Lock file operations: 24 installs, 0 updates, 0 removals
  - Locking composer/package-versions-deprecated (1.11.99.1)
  - Locking doctrine/annotations (1.12.1)
  - Locking doctrine/cache (1.10.2)
  - Locking doctrine/collections (1.6.7)
  - Locking doctrine/common (3.1.1)
  - Locking doctrine/dbal (2.10.4)
  - Locking doctrine/doctrine-bundle (2.2.4)
  - Locking doctrine/doctrine-migrations-bundle (3.0.2)
  - Locking doctrine/event-manager (1.1.1)
  - Locking doctrine/inflector (2.0.3)
  - Locking doctrine/instantiator (1.4.0)
```

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ composer require --dev symfony/maker-bundle
Using version ^1.29 for symfony/maker-bundle
./composer.json has been updated
Running composer update symfony/maker-bundle
Loading composer repositories with package information
Updating dependencies
Lock file operations: 3 installs, 0 updates, 0 removals
  - Locking nikic/php-parser (v4.10.4)
  - Locking symfony/deprecation-contracts (v2.2.0)
  - Locking symfony/maker-bundle (v1.29.1)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 3 installs, 0 updates, 0 removals
  - Installing symfony/deprecation-contracts (v2.2.0): Extracting archive
```

CONFIGURATION DE FICHIER « .ENV » :

```
#
# DATABASE_URL="sqlite:///%kernel.project_dir%/var/data.db"
DATABASE_URL="mysql://isla:0032@127.0.0.1:3306/restau_db?serverVersion=5.7"
# DATABASE_URL="postgresql://db_user:db_password@127.0.0.1:5432/db_name?serverVersion=13&charset=utf8"
###< doctrine/doctrine-bundle ###
```

CREATION LA BASE DE DONNEES :

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ sudo php bin/console doctrine:database:create
Created database `restau_idrissi` for connection named default
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$
```

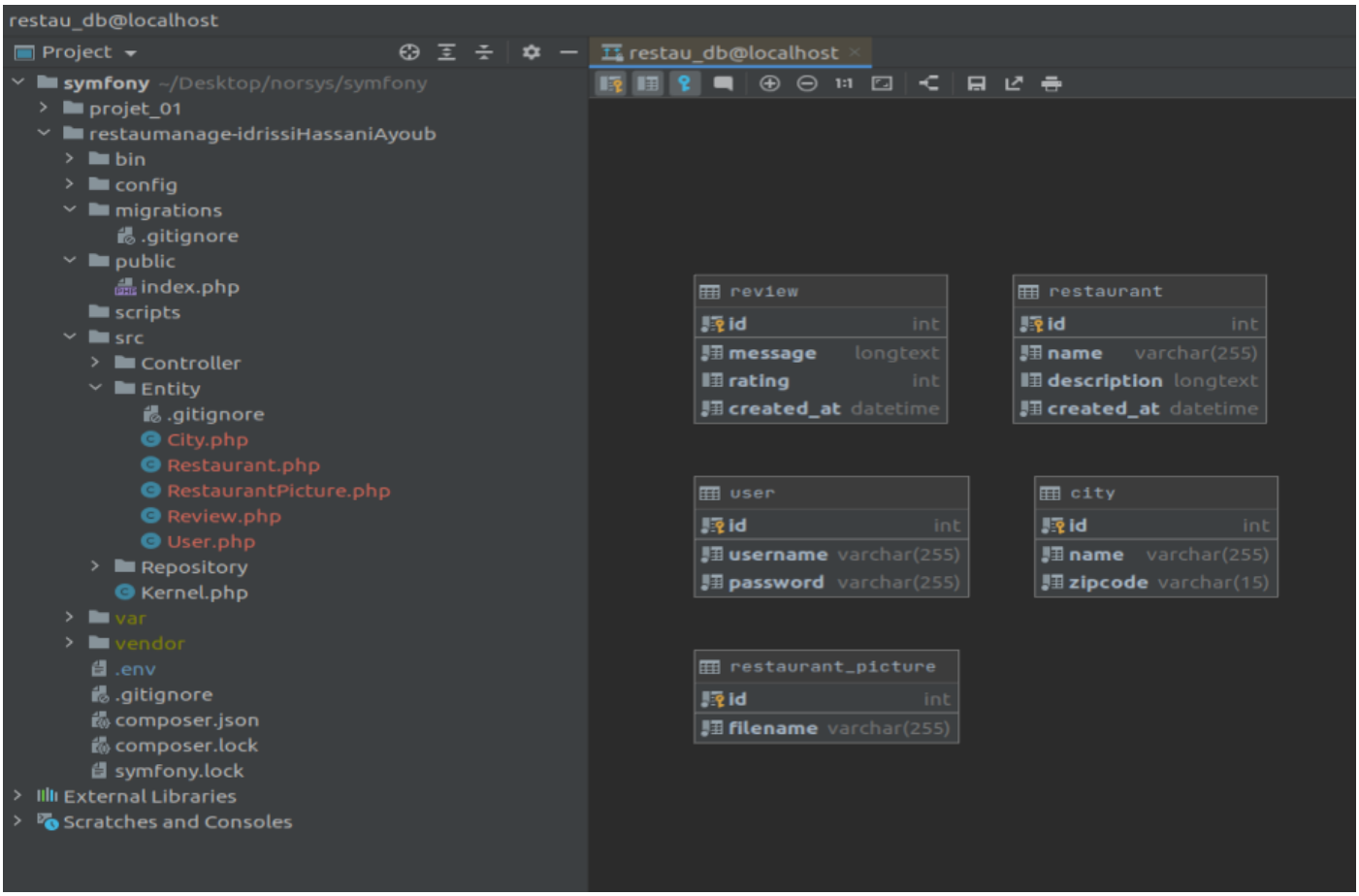
GENERER LES ENTITES :

`php bin/console make:entity`

Exemple :

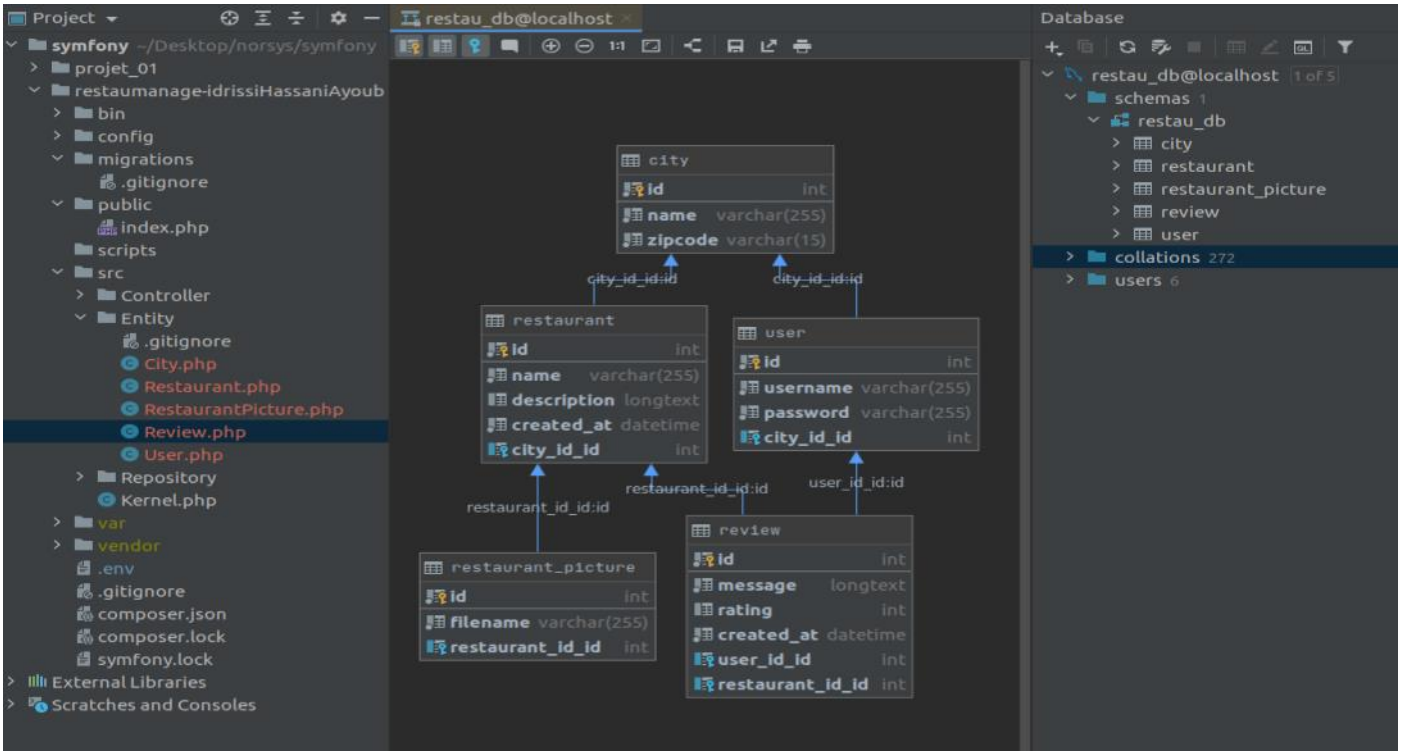
```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console make:entity

 Class name of the entity to create or update (e.g. TinyChef):
 > City

 created: src/Entity/City.php
 created: src/Repository/CityRepository.php

 Entity generated! Now let's add some fields!
 You can always add more fields later manually or by re-running this command.

 New property name (press <return> to stop adding fields):
 > name

 Field type (enter ? to see all types) [string]:
 > string

 Field length [255]:
 >

 Can this field be null in the database (nullable) (yes/no) [no]:
 > no

 updated: src/Entity/City.php

 Add another property? Enter the property name (or press <return> to stop adding fields):
 > zipCode

 Field type (enter ? to see all types) [string]:
 > string

 Field length [255]:
 > 15

 Can this field be null in the database (nullable) (yes/no) [no]:
 > no

 updated: src/Entity/City.php

 Add another property? Enter the property name (or press <return> to stop adding fields):
 >


  Success!

 Next: When you're ready, create a migration with php bin/console make:migration
```

LES ENTITES AVANT METTRE EN PLACE LES RELATIONS :



LES ENTITES APRÈS METTRE EN PLACE LES RELATIONS :

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:schema:update --dump-sql --force

 The following SQL statements will be executed:

     ALTER TABLE restaurant ADD city_id_id INT DEFAULT NULL;
     ALTER TABLE restaurant ADD CONSTRAINT FK_EB95123F3CCE3900 FOREIGN KEY (city_id_id) REFERENCES city (id);
     CREATE INDEX IDX_EB95123F3CCE3900 ON restaurant (city_id_id);
     ALTER TABLE restaurant_picture ADD restaurant_id_id INT DEFAULT NULL;
     ALTER TABLE restaurant_picture ADD CONSTRAINT FK_DC9013FC35592D86 FOREIGN KEY (restaurant_id_id) REFERENCES restaurant (id);
     CREATE INDEX IDX_DC9013FC35592D86 ON restaurant_picture (restaurant_id_id);
     ALTER TABLE review ADD user_id_id INT DEFAULT NULL, ADD restaurant_id_id INT DEFAULT NULL;
     ALTER TABLE review ADD CONSTRAINT FK_794381C69D86650F FOREIGN KEY (user_id_id) REFERENCES user (id);
     ALTER TABLE review ADD CONSTRAINT FK_794381C635592D86 FOREIGN KEY (restaurant_id_id) REFERENCES restaurant (id);
     CREATE INDEX IDX_794381C69D86650F ON review (user_id_id);
     CREATE INDEX IDX_794381C635592D86 ON review (restaurant_id_id);
     ALTER TABLE user ADD city_id_id INT DEFAULT NULL;
     ALTER TABLE user ADD CONSTRAINT FK_8D93D6493CCE3900 FOREIGN KEY (city_id_id) REFERENCES city (id);
     CREATE INDEX IDX_8D93D6493CCE3900 ON user (city_id_id);

 Updating database schema...

     14 queries were executed


 [OK] Database schema updated successfully!
```



LA MIGRATION :

php bin/console doctrine:migrations:status

```
Terminal:  Local  +
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:migrations:status
+----------------------+----------------------+-----------------------------------------------------------------------------------------+
| Configuration                                                                                                                          |
+----------------------+----------------------+-----------------------------------------------------------------------------------------+
| Storage              | Type                 | Doctrine\Migrations\Metadata\Storage\TableMetadataStorageConfiguration                  |
|                      | Table Name           | doctrine_migration_versions                                                             |
|                      | Column Name          | version                                                                                 |
|----------------------|----------------------|-----------------------------------------------------------------------------------------|
| Database             | Driver               | Doctrine\DBAL\Driver\PDOMySql\Driver                                                    |
|                      | Name                 | restau_db                                                                               |
|----------------------|----------------------|-----------------------------------------------------------------------------------------|
| Versions             | Previous             | 0                                                                                       |
|                      | Current              | 0                                                                                       |
|                      | Next                 | Already at latest version                                                               |
|                      | Latest               | 0                                                                                       |
|----------------------|----------------------|-----------------------------------------------------------------------------------------|
| Migrations           | Executed             | 0                                                                                       |
|                      | Executed Unavailable | 0                                                                                       |
|                      | Available            | 0                                                                                       |
|                      | New                  | 0                                                                                       |
|----------------------|----------------------|-----------------------------------------------------------------------------------------|
| Migration Namespaces | DoctrineMigrations   | /home/isla/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub/migrations           |
+----------------------+----------------------+-----------------------------------------------------------------------------------------+
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$
```

php bin/console doctrine:migrations:generate

ou bien

php bin/console make:migration

- ⇨ Pour générer le fichier de migration.

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:migrations:generate

 Generated new migration class to "/home/isla/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub/migrations/Version20210318150911.php"

 To run just this migration for testing purposes, you can use migrations:execute --up 'DoctrineMigrations\Version20210318150911'

 To revert the migration you can use migrations:execute --down 'DoctrineMigrations\Version20210318150911'
```

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:migrations:status
+----------------------+----------------------+------------------------------------------------------------------------------+
| Configuration                                                                                                                |
+----------------------+----------------------+------------------------------------------------------------------------------+
| Storage              | Type                 | Doctrine\Migrations\Metadata\Storage\TableMetadataStorageConfiguration       |
|                      | Table Name           | doctrine_migration_versions                                                  |
|                      | Column Name          | version                                                                      |
|----------------------------------------------------------------------------------------------------------------------------|
| Database             | Driver               | Doctrine\DBAL\Driver\PDOMySql\Driver                                         |
|                      | Name                 | restau_db                                                                    |
|----------------------------------------------------------------------------------------------------------------------------|
| Versions             | Previous             | 0                                                                            |
|                      | Current              | 0                                                                            |
|                      | Next                 | DoctrineMigrations\Version20210318150911                                     |
|                      | Latest               | DoctrineMigrations\Version20210318150911                                     |
|----------------------------------------------------------------------------------------------------------------------------|
| Migrations           | Executed             | 0                                                                            |
|                      | Executed Unavailable | 0                                                                            |
|                      | Available            | 1                                                                            |
|                      | New                  | 1                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|
| Migration Namespaces | DoctrineMigrations   | /home/isla/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub/migrations |
+----------------------+----------------------+------------------------------------------------------------------------------+
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$
```

php bin/console doctrine:migrations:migrate

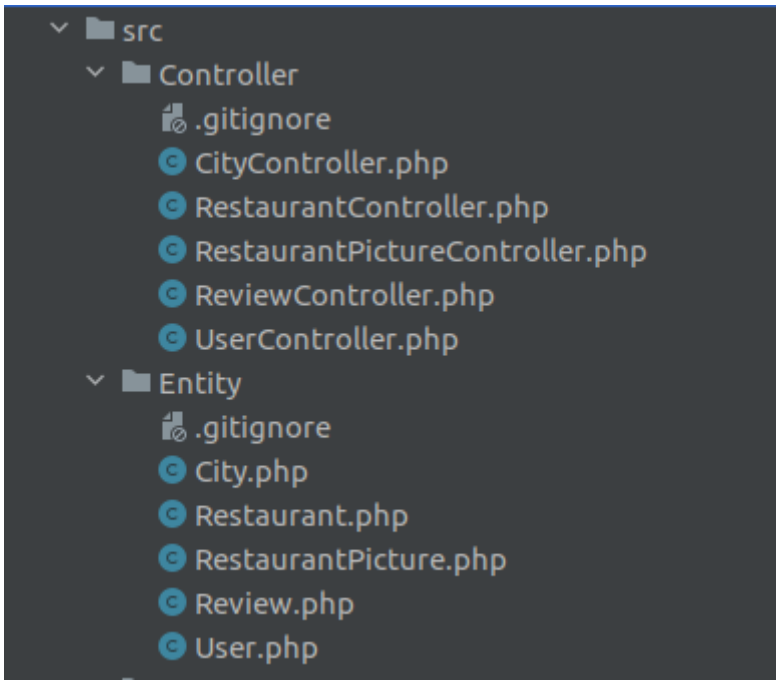
⇨ Pour exécute les migrations générées.

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:migrations:migrate

 WARNING! You are about to execute a migration in database "restau_db" that could result in schema changes and data loss. Are you sure you wish to continue? (yes/no) [yes]:
 > yes

[notice] Migrating up to DoctrineMigrations\Version20210318150911
[warning] Migration DoctrineMigrations\Version20210318150911 was executed but did not result in any SQL statements.
[notice] finished in 621.2ms, used 12M memory, 1 migrations executed, 0 sql queries

isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$
```

CREATION LES CONTROLLEURS :

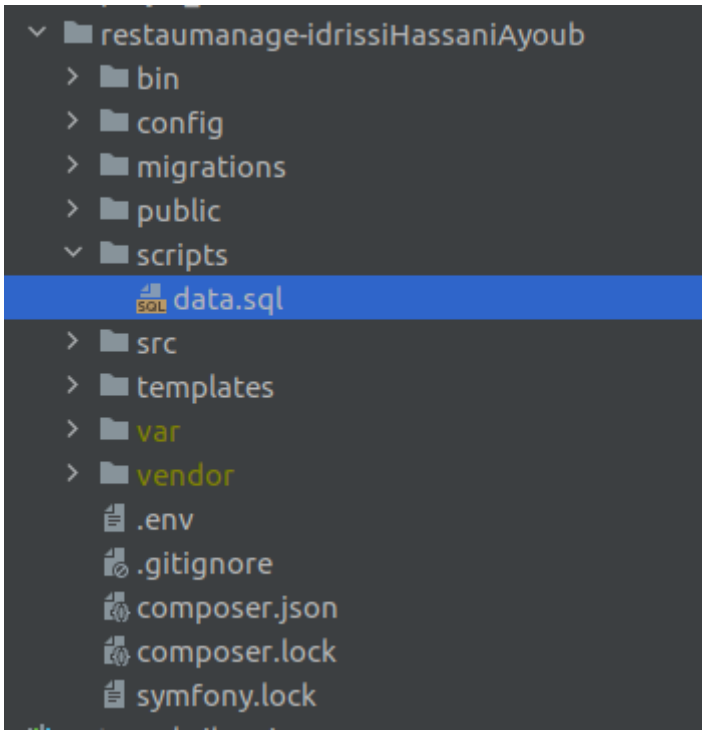
php bin/console make:controller restaurant

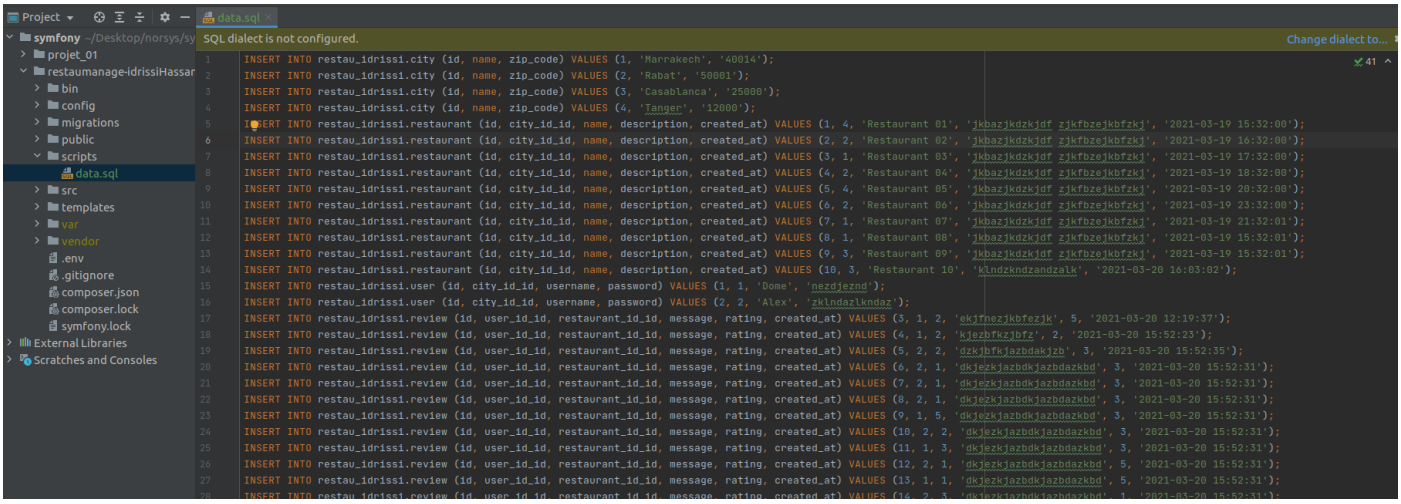
```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console make:controller RestaurantController

 created: src/Controller/RestaurantController.php

 [redacted]
 [redacted]
 [redacted]

 Next: Open your new controller class and add some pages!
```



SCRIPT SQL :

- CREER UN FICHIER « data.sql » :





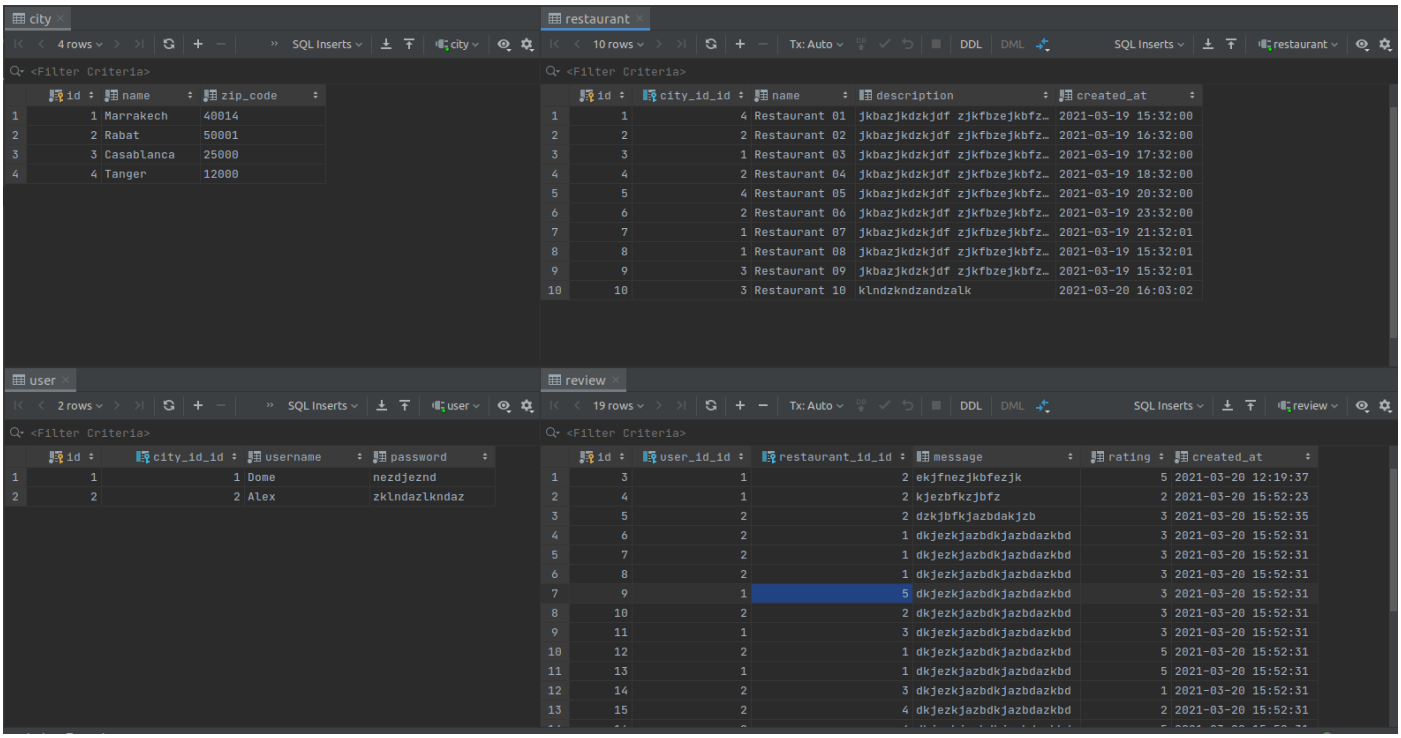
- GENERER NOUVELLES MIGRATION :

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:migrations:generat

 Generated new migration class to "/home/isla/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub/migrations/Version20210320165807.php"

 To run just this migration for testing purposes, you can use migrations:execute --up 'DoctrineMigrations\Version20210320165807'

 To revert the migration you can use migrations:execute --down 'DoctrineMigrations\Version20210320165807'
```

- EXECUTER LA MIGRATION :

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ php bin/console doctrine:migrations:migrate

 WARNING! You are about to execute a migration in database "restau_idrissi" that could result in schema changes and data loss. Are you sure you wish to continue? (yes/no) [yes]:
 >

[notice] Migrating up to DoctrineMigrations\Version20210320165807
[notice] finished in 854.2ms, used 14M memory, 1 migrations executed, 35 sql queries
```

VERIFICATION LES INSERTIONS :



city

4 rows | SQL Inserts | city

<Filter Criteria>

	id	name	zip_code
1	1	Marrakech	40014
2	2	Rabat	50001
3	3	Casablanca	25000
4	4	Tanger	12000

restaurant

10 rows | Tx: Auto | DDL | DML | SQL Inserts | restaurant

<Filter Criteria>

	id	city_id_id	name	description	created_at
1	1	4	Restaurant 01	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 15:32:00
2	2	2	Restaurant 02	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 16:32:00
3	3	1	Restaurant 03	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 17:32:00
4	4	2	Restaurant 04	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 18:32:00
5	5	4	Restaurant 05	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 20:32:00
6	6	2	Restaurant 06	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 23:32:00
7	7	1	Restaurant 07	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 21:32:01
8	8	1	Restaurant 08	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 15:32:01
9	9	3	Restaurant 09	jkbazjkdzkjdf zjkfbzejkbfz…	2021-03-19 15:32:01
10	10	3	Restaurant 10	klndzkndzandzalk	2021-03-20 16:03:02

user

2 rows | SQL Inserts | user

<Filter Criteria>

	id	city_id_id	username	password
1	1	1	Dome	nezdjeznd
2	2	2	Alex	zklndazlkndaz

review

19 rows | Tx: Auto | DDL | DML | SQL Inserts | review

<Filter Criteria>

	id	user_id_id	restaurant_id_id	message	rating	created_at
1	3	1	2	ekjfnezjkbfezjk	5	2021-03-20 12:19:37
2	4	1	2	kjezbfkzjbfz	2	2021-03-20 15:52:23
3	5	2	2	dzkjbfkjazbdakjzb	3	2021-03-20 15:52:35
4	6	2	1	dkjezkjazbdkjazbdazkbd	3	2021-03-20 15:52:31
5	7	2	1	dkjezkjazbdkjazbdazkbd	3	2021-03-20 15:52:31
6	8	2	1	dkjezkjazbdkjazbdazkbd	3	2021-03-20 15:52:31
7	9	1	5	dkjezkjazbdkjazbdazkbd	3	2021-03-20 15:52:31
8	10	2	2	dkjezkjazbdkjazbdazkbd	3	2021-03-20 15:52:31
9	11	1	3	dkjezkjazbdkjazbdazkbd	3	2021-03-20 15:52:31
10	12	2	1	dkjezkjazbdkjazbdazkbd	5	2021-03-20 15:52:31
11	13	1	1	dkjezkjazbdkjazbdazkbd	5	2021-03-20 15:52:31
12	14	2	3	dkjezkjazbdkjazbdazkbd	1	2021-03-20 15:52:31
13	15	2	4	dkjezkjazbdkjazbdazkbd	2	2021-03-20 15:52:31

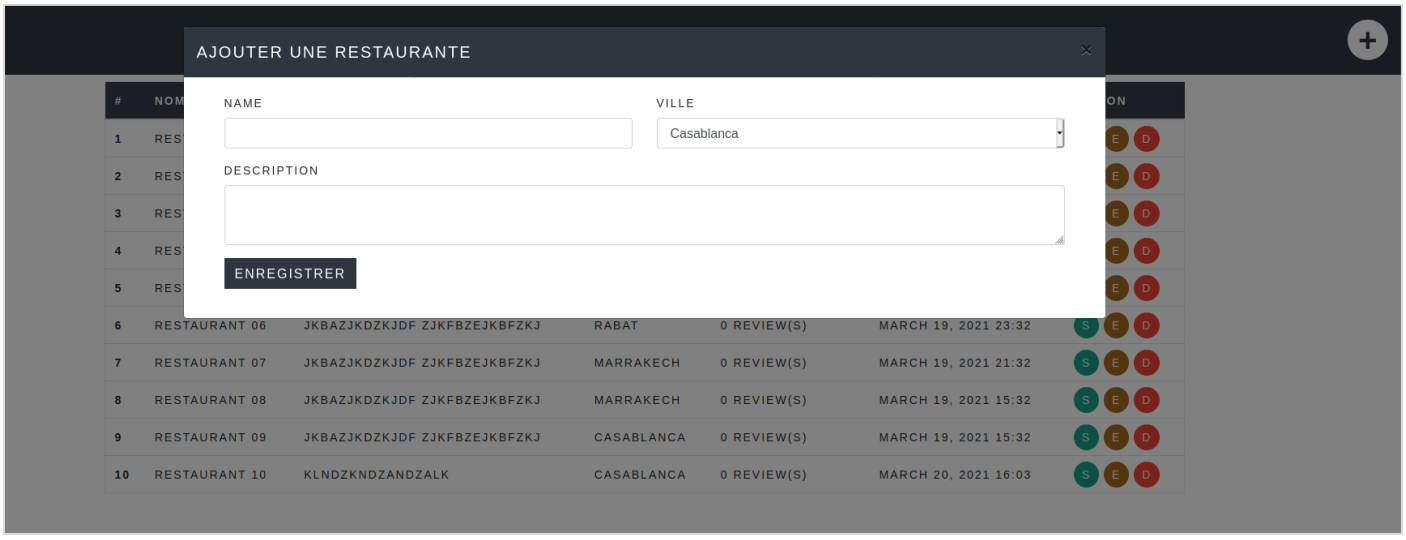
CREATION LES FORMULAIRES :

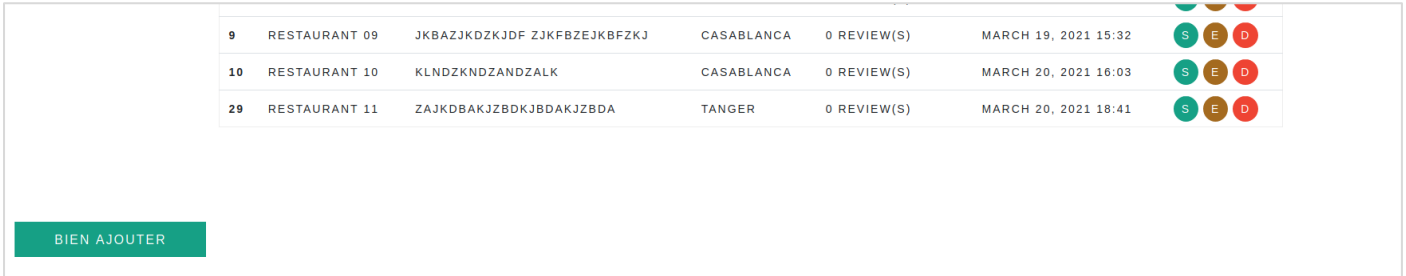
composer require symfony/form

```
isla@isla:~/Desktop/norsys/symfony/restaumanage-idrissiHassaniAyoub$ composer require symfony/form
./composer.json has been updated
Running composer update symfony/form
Loading composer repositories with package information
Restricting packages listed in "symfony/symfony" to "4.4.*"
Updating dependencies
Lock file operations: 6 installs, 0 updates, 0 removals
  - Locking symfony/form (v4.4.20)
  - Locking symfony/inflector (v4.4.20)
  - Locking symfony/intl (v4.4.20)
  - Locking symfony/options-resolver (v4.4.20)
  - Locking symfony/polyfill-intl-icu (v1.22.1)
  - Locking symfony/property-access (v4.4.20)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 6 installs, 0 updates, 0 removals
  - Installing symfony/inflector (v4.4.20): Extracting archive
  - Installing symfony/property-access (v4.4.20): Extracting archive
  - Installing symfony/options-resolver (v4.4.20): Extracting archive
```

```php
class RestaurantType extends AbstractType
{

    public function buildForm(FormBuilderInterface $builder, array $options)
    {
        $builder
            ->add( child: 'name',  type: TextType::class)
            ->add( child: 'description',  type: TextareaType::class)
            ->add( child: 'city_id',  type: EntityType::class, [
                'class' => City::class,
                'query_builder' => function (EntityRepository $er) {
                    return $er->createQueryBuilder( alias: 'u')
                        ->orderBy( sort: 'u.name',  order: 'ASC');
                },
                'choice_label' => 'name',
                'label' => 'ville',]
            )
            ->add( child: 'enregistrer',  type: SubmitType::class)
        ;
    }

    public function configureOptions(OptionsResolver $resolver)
    {
        $resolver->setDefaults([
            'data_class' => Restaurant::class,
        ]);
    }
}
```

CAPTURE D'ÉCRAN





AFFICHER LES INFOS DE RESTAURANT 01

E

NOM: Restaurant 01

VILLE: Tanger

DESCRIPTION: jkbazjkdzkjdf zjkfbzejkbfzkj

REVIEWS

QUESTION 12

LA VALEUR MOYENNE DE LA NOTE : 4

#	UTILISATEUR	MESSAGE	RATING	CRÉER LE
6	ALEX	DKJEZKJAZBDKJAZBDAZKBD	3	MARCH 20, 2021 15:52
7	ALEX	DKJEZKJAZBDKJAZBDAZKBD	3	MARCH 20, 2021 15:52
8	ALEX	DKJEZKJAZBDKJAZBDAZKBD	3	MARCH 20, 2021 15:52
12	ALEX	DKJEZKJAZBDKJAZBDAZKBD	5	MARCH 20, 2021 15:52
13	DOME	DKJEZKJAZBDKJAZBDAZKBD	5	MARCH 20, 2021 15:52
18	ALEX	DKJEZKJAZBDKJAZBDAZKBD	3	MARCH 20, 2021 15:52

```php
public function ratingAvg(int $id){

    $qb = $this->createQueryBuilder( alias: 'r')
        ->select( select: 'avg(re.rating) as rating')
        ->innerJoin( join: 'r.reviews', alias: 're')
        ->where( predicates: "r.id = $id")
        ->orderBy( sort: 'r.created_at', order: 'DESC');

    $rating = $qb->getQuery()->getSingleScalarResult();

    return $rating;

}
```

MODIFIER LES INFOS DE RESTAURANT 01

NAME: Restaurant 01

VILLE: Tanger

DESCRIPTION: jkbazjkdzkjdf zjkfbzejkbfzkj

ENREGISTRER

ANNULER

```php
/**
 * @param int $limit
 * @return Response
 * @Route("/restaurants/limit/{limit}", name="restaurants.last", methods={"GET"})
 *
 */
public function getLast(int $limit): Response{...}

/**
 * @param int $limit
 * @return Response
 * @Route("/restaurants/top/{limit}", name="restaurants.top", methods={"GET"})
 *
 */
public function getTop(int $limit): Response{...}

/**
 * @return Response
 * @Route("/restaurants/by-rating", name="restaurants.rating", methods={"GET"})
 *
 */
public function classeByRating(): Response{...}
```

Question 11 :

```php
public function lastRestaurants(int $limit)
{
    $qb = $this->createQueryBuilder( alias: 'r')
        ->orderBy( sort: 'r.created_at', order: 'DESC')
        ->setMaxResults($limit);


    $query = $qb->getQuery();

    return $query->execute();
}
```

Question 13 :

```php
public function topRestaurant(int $limit){

    $qb = $this->createQueryBuilder( alias: 'r')
        ->select( select: 'r')
        ->innerJoin( join: 'r.reviews', alias: 're')
        ->groupBy( groupBy: 'r.id')
        ->orderBy( sort: 'avg(re.rating)', order: 'DESC')
        ->setMaxResults($limit);


    $query = $qb->getQuery();

    return $query->execute();

}
```

Question 16 :

CLASSER LES RESTAURANT PAS VOT

#	NOM	DESCRIPTION	VILLE	NB DES REVIEWS	CRÉER LE	ACTION
1	RESTAURANT 01	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	TANGER	8 REVIEW(S)	MARCH 19, 2021 15:32	S E D
4	RESTAURANT 04	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	RABAT	2 REVIEW(S)	MARCH 19, 2021 18:32	S E D
2	RESTAURANT 02	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	RABAT	4 REVIEW(S)	MARCH 19, 2021 16:32	S E D
5	RESTAURANT 05	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	TANGER	2 REVIEW(S)	MARCH 19, 2021 20:32	S E D
3	RESTAURANT 03	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	MARRAKECH	3 REVIEW(S)	MARCH 19, 2021 17:32	S E D
6	RESTAURANT 06	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	RABAT	0 REVIEW(S)	MARCH 19, 2021 23:32	S E D
7	RESTAURANT 07	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 21:32	S E D
8	RESTAURANT 08	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 15:32	S E D
9	RESTAURANT 09	JKBAZJKDZKJDF ZJKFBZEJKBFZKJ	CASABLANCA	0 REVIEW(S)	MARCH 19, 2021 15:32	S E D
10	RESTAURANT 10	KLNDZKNDZANDZALK	CASABLANCA	0 REVIEW(S)	MARCH 20, 2021 16:03	S E D
29	RESTAURANT 11	ZAJKDBAKJZBDKJBDAKJZBDA	TANGER	0 REVIEW(S)	MARCH 20, 2021 18:41	S E D

```php
public function byRating(){

    $qb = $this->createQueryBuilder( alias: 'r')
        ->select( select: 'r')
        ->leftJoin( join: 'r.reviews', alias: 're')
        ->groupBy( groupBy: 'r.id')
        ->orderBy( sort: 'avg(re.rating)', order: 'DESC');

    $query = $qb->getQuery();

    return $query->execute();

}
```