

RAPPORT DE TP

IDRISSI HASSANI AYOUB

CREATION DE PROJET :

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

INSTALATION DE DOCTRINE | ORM :

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

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

```
isla@isla:~/Desktop/norsys/symfony/restaumange-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/restaumange-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
  - Installing nikic/php-parser (v4.10.4): Extracting archive
  - Installing symfony/maker-bundle (v1.29.1): Extracting archive
```

CONFIGURATION DE FICHER « .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/restaumange-idrissiHassaniAyoub$ sudo php bin/console doctrine:database:create
Created database 'restau_idrissi' for connection named default
isla@isla:~/Desktop/norsys/symfony/restaumange-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 :

restau_db@localhost

Project ▾

- symfony ~/Desktop/norsys/symfony
 - proj_01
 - restaumanage-idrissiHassaniAyoub
 - bin
 - config
 - migrations
 - .gitignore
 - public
 - index.php
 - scripts
 - src
 - Controller
 - Entity
 - .gitignore
 - City.php
 - Restaurant.php
 - RestaurantPicture.php
 - Review.php
 - User.php
 - Repository
 - Kernel.php
 - var
 - vendor
 - .env
 - .gitignore
 - composer.json
 - composer.lock
 - symfony.lock
 - External Libraries
 - Scratches and Consoles

restau_db@localhost

review	
Id	int
message	longtext
rating	int
created_at	datetime

restaurant	
Id	int
name	varchar(255)
description	longtext
created_at	datetime

user	
Id	int
username	varchar(255)
password	varchar(255)

city	
Id	int
name	varchar(255)
zipcode	varchar(15)

restaurant_picture	
Id	int
filename	varchar(255)

LES ENTITES APRÈS METTRE EN PLACE LES RELATIONS :

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

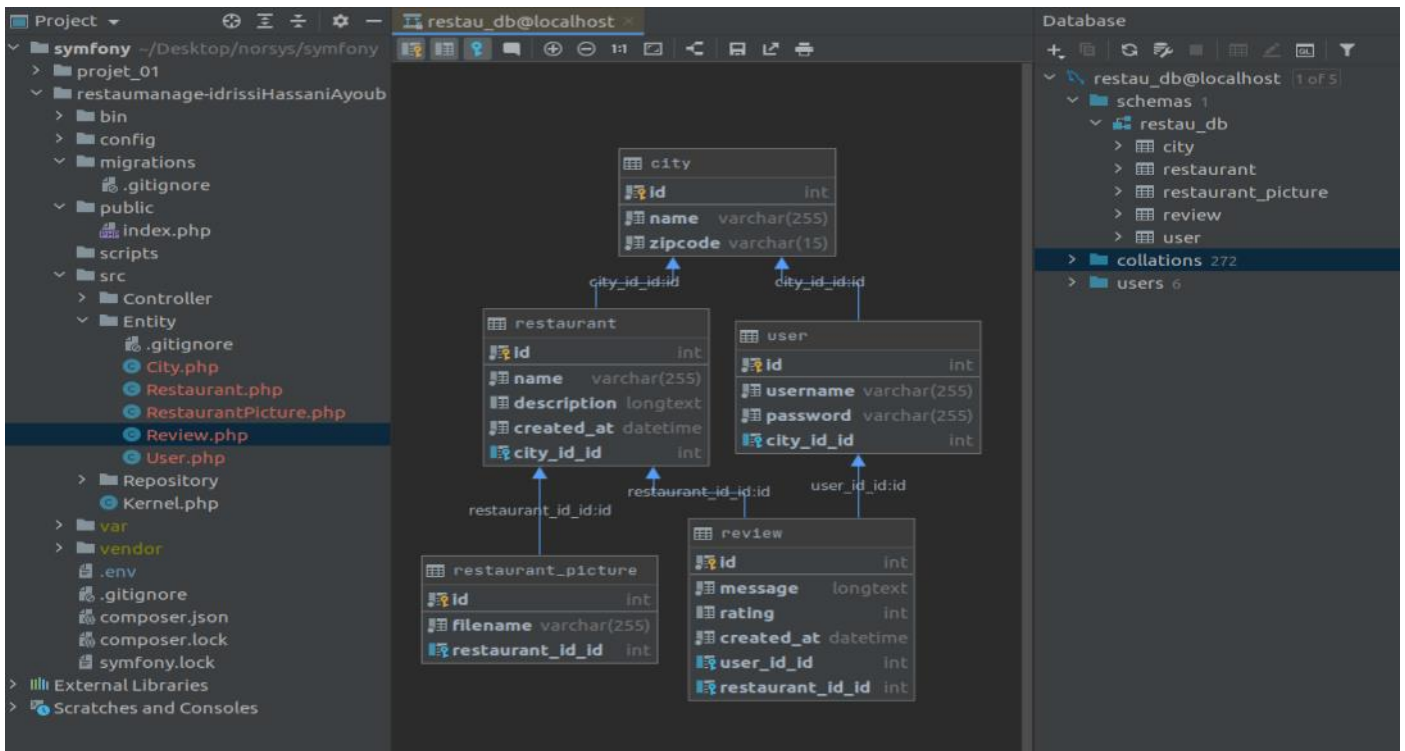
The following SQL statements will be executed:

```
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 x +
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 | Doctrine\Migrations\Version20210318150911 |
|          | Latest | Doctrine\Migrations\Version20210318150911 |
+-----+-----+-----+
| Migrations | Executed | 0 |
|            | Executed Unavailable | 0 |
|            | Available | 1 |
|            | New | 1 |
+-----+-----+-----+
| Migration Namespaces | Doctrine\Migrations | /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 Doctrine\Migrations\Version20210318150911
[warning] Migration Doctrine\Migrations\Version20210318150911 was executed but did not result in any SQL statements.
[notice] finished in 421.2ms, 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

Success!

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

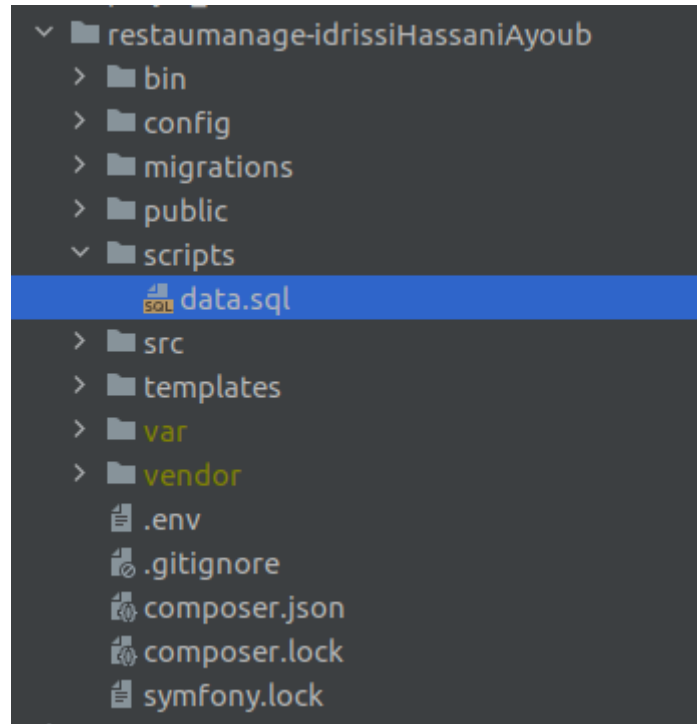
```

v src
  v Controller
    .gitignore
    CityController.php
    RestaurantController.php
    RestaurantPictureController.php
    ReviewController.php
    UserController.php
  v Entity
    .gitignore
    City.php
    Restaurant.php
    RestaurantPicture.php
    Review.php
    User.php

```

SCRIPT SQL :

- CREER UN FICHER « data.sql » :



```
Project ~\Desktop\norsys/sy
data.sql
SQL dialect is not configured.
Change dialect to...
1 INSERT INTO restau_idrissi.city (id, name, zip_code) VALUES (1, 'Marrakech', '40014');
2 INSERT INTO restau_idrissi.city (id, name, zip_code) VALUES (2, 'Rabat', '50001');
3 INSERT INTO restau_idrissi.city (id, name, zip_code) VALUES (3, 'Casablanca', '25000');
4 INSERT INTO restau_idrissi.city (id, name, zip_code) VALUES (4, 'Tanger', '12000');
5 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (1, 4, 'Restaurant 01', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 15:32:00');
6 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (2, 2, 'Restaurant 02', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 16:32:00');
7 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (3, 1, 'Restaurant 03', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 17:32:00');
8 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (4, 2, 'Restaurant 04', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 18:32:00');
9 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (5, 4, 'Restaurant 05', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 20:32:00');
10 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (6, 2, 'Restaurant 06', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 23:32:00');
11 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (7, 1, 'Restaurant 07', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 21:32:01');
12 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (8, 1, 'Restaurant 08', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 15:32:01');
13 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (9, 3, 'Restaurant 09', 'jkbazjkdzidf zikfbzjkbfbzjk', '2021-03-19 15:32:01');
14 INSERT INTO restau_idrissi.restaurant (id, city_id, name, description, created_at) VALUES (10, 3, 'Restaurant 10', 'kldzkdzkdzkdz', '2021-03-20 16:03:02');
15 INSERT INTO restau_idrissi.user (id, city_id, username, password) VALUES (1, 1, 'Ome', 'mejdiznd');
16 INSERT INTO restau_idrissi.user (id, city_id, username, password) VALUES (2, 2, 'Alex', 'zklndzklndz');
17 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (3, 1, 2, 'kbfzjkbfbzjk', 5, '2021-03-20 12:19:37');
18 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (4, 1, 2, 'kbfzjkbfbzjk', 2, '2021-03-20 15:52:23');
19 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (5, 2, 2, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:35');
20 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (6, 2, 1, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:31');
21 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (7, 2, 1, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:31');
22 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (8, 2, 1, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:31');
23 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (9, 1, 5, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:31');
24 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (10, 2, 2, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:31');
25 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (11, 1, 3, 'kbfzjkbfbzjk', 3, '2021-03-20 15:52:31');
26 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (12, 2, 1, 'kbfzjkbfbzjk', 5, '2021-03-20 15:52:31');
27 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (13, 1, 1, 'kbfzjkbfbzjk', 5, '2021-03-20 15:52:31');
28 INSERT INTO restau_idrissi.review (id, user_id, restaurant_id, message, rating, created_at) VALUES (14, 2, 3, 'kbfzjkbfbzjk', 1, '2021-03-20 15:52:31');
```

- GENERER NOUVELLES 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/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				restaurant				
Q: <Filter Criteria>				Q: <Filter Criteria>				
id	name	zip_code		id	city_id	name	description	created_at
1	1 Marrakech	40014		1	1	4 Restaurant 01	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 15:32:00
2	2 Rabat	50001		2	2	2 Restaurant 02	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 16:32:00
3	3 Casablanca	25000		3	3	1 Restaurant 03	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 17:32:00
4	4 Tanger	12000		4	4	2 Restaurant 04	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 18:32:00
				5	5	4 Restaurant 05	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 20:32:00
				6	6	2 Restaurant 06	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 23:32:00
				7	7	1 Restaurant 07	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 21:32:01
				8	8	1 Restaurant 08	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 15:32:01
				9	9	3 Restaurant 09	jkbazjdkzkjdf zjkfbzejkbfbz...	2021-03-19 15:32:01
				10	10	3 Restaurant 10	kLndzkndzandzak	2021-03-20 16:03:02

user				review				
Q: <Filter Criteria>				Q: <Filter Criteria>				
id	city_id	username	password	id	user_id	restaurant_id	message	rating
1	1	1 Dome	nezdjeznd	1	3	1	2 ekjfnzejkbfezjk	5
2	2	2 Alex	zkLndazlkndaz	2	4	1	2 kjezbTfKzjbfbz	2
				3	5	2	2 dzkjbfKjazbdakjzb	3
				4	6	2	1 dkjezkjazbdKjazbdazkbbd	3
				5	7	2	1 dkjezkjazbdKjazbdazkbbd	3
				6	8	2	1 dkjezkjazbdKjazbdazkbbd	3
				7	9	1	5 dkjezkjazbdKjazbdazkbbd	3
				8	10	2	2 dkjezkjazbdKjazbdazkbbd	3
				9	11	1	3 dkjezkjazbdKjazbdazkbbd	3
				10	12	2	1 dkjezkjazbdKjazbdazkbbd	5
				11	13	1	1 dkjezkjazbdKjazbdazkbbd	5
				12	14	2	3 dkjezkjazbdKjazbdazkbbd	1
				13	15	2	4 dkjezkjazbdKjazbdazkbbd	2

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
```

```
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

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

Ajouter une restaurant

NAME

VILLE

Casablanca

DESCRIPTION

ENREGISTRER

1	RESTAURANT 06	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	RABAT	0 REVIEW(S)	MARCH 19, 2021 23:32	S E D
2	RESTAURANT 07	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 21:32	S E D
3	RESTAURANT 08	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 15:32	S E D
4	RESTAURANT 09	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	CASABLANCA	0 REVIEW(S)	MARCH 19, 2021 15:32	S E D
5	RESTAURANT 10	KLNDZKNDZANDZALK	CASABLANCA	0 REVIEW(S)	MARCH 20, 2021 16:03	S E D

9	RESTAURANT 09	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	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	ZAJKDBAKJZBDKJBDKJZBDA	TANGER	0 REVIEW(S)	MARCH 20, 2021 18:41	S E D

BIEN AJOUTER

AFFICHER LES INFOS DE RESTAURANT 01

E

NOM Restaurant 01

VILLE Tanger

DESCRIPTION jkbazjkdzkjdf zjktbzejkbzjkj

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

```
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 zjktbzejkbzjkj

ENREGISTRER

ANNULER

```

/**
 * @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 :

127.0.0.1:8000/restaurants/limit/6							
LES 6 DERNIERS RESTAURANTS CRÉÉS							
#	NOM	DESCRIPTION	VILLE	NB DES REVIEWS	CRÉER LE	ACTION	
29	RESTAURANT 11	ZAJKDBAKJZBDKJBDAKJZBDA	TANGER	0 REVIEW(S)	MARCH 20, 2021 18:41	S	E D
10	RESTAURANT 10	KLNDZKNDZANDZALK	CASABLANCA	0 REVIEW(S)	MARCH 20, 2021 16:03	S	E D
6	RESTAURANT 06	JKBAZJKDZKJDF ZJKFBZEJKBZKJ	RABAT	0 REVIEW(S)	MARCH 19, 2021 23:32	S	E D
7	RESTAURANT 07	JKBAZJKDZKJDF ZJKFBZEJKBZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 21:32	S	E D
5	RESTAURANT 05	JKBAZJKDZKJDF ZJKFBZEJKBZKJ	TANGER	2 REVIEW(S)	MARCH 19, 2021 20:32	S	E D
4	RESTAURANT 04	JKBAZJKDZKJDF ZJKFBZEJKBZKJ	RABAT	2 REVIEW(S)	MARCH 19, 2021 18:32	S	E D

```

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 :

LES 3 TOP MEILLEURS RESTAURANTS						
#	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

```
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 ZJKFBZEJKBFBZKJ	TANGER	8 REVIEW(S)	MARCH 19, 2021 15:32	S E D
4	RESTAURANT 04	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	RABAT	2 REVIEW(S)	MARCH 19, 2021 18:32	S E D
2	RESTAURANT 02	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	RABAT	4 REVIEW(S)	MARCH 19, 2021 16:32	S E D
5	RESTAURANT 05	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	TANGER	2 REVIEW(S)	MARCH 19, 2021 20:32	S E D
3	RESTAURANT 03	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	MARRAKECH	3 REVIEW(S)	MARCH 19, 2021 17:32	S E D
6	RESTAURANT 06	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	RABAT	0 REVIEW(S)	MARCH 19, 2021 23:32	S E D
7	RESTAURANT 07	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 21:32	S E D
8	RESTAURANT 08	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	MARRAKECH	0 REVIEW(S)	MARCH 19, 2021 15:32	S E D
9	RESTAURANT 09	JKBAZJKDZKJDF ZJKFBZEJKBFBZKJ	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	ZAJKDBAKJZBDKJBDKJZBDA	TANGER	0 REVIEW(S)	MARCH 20, 2021 18:41	S E D

```

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();

}

```