Modèle logique des données
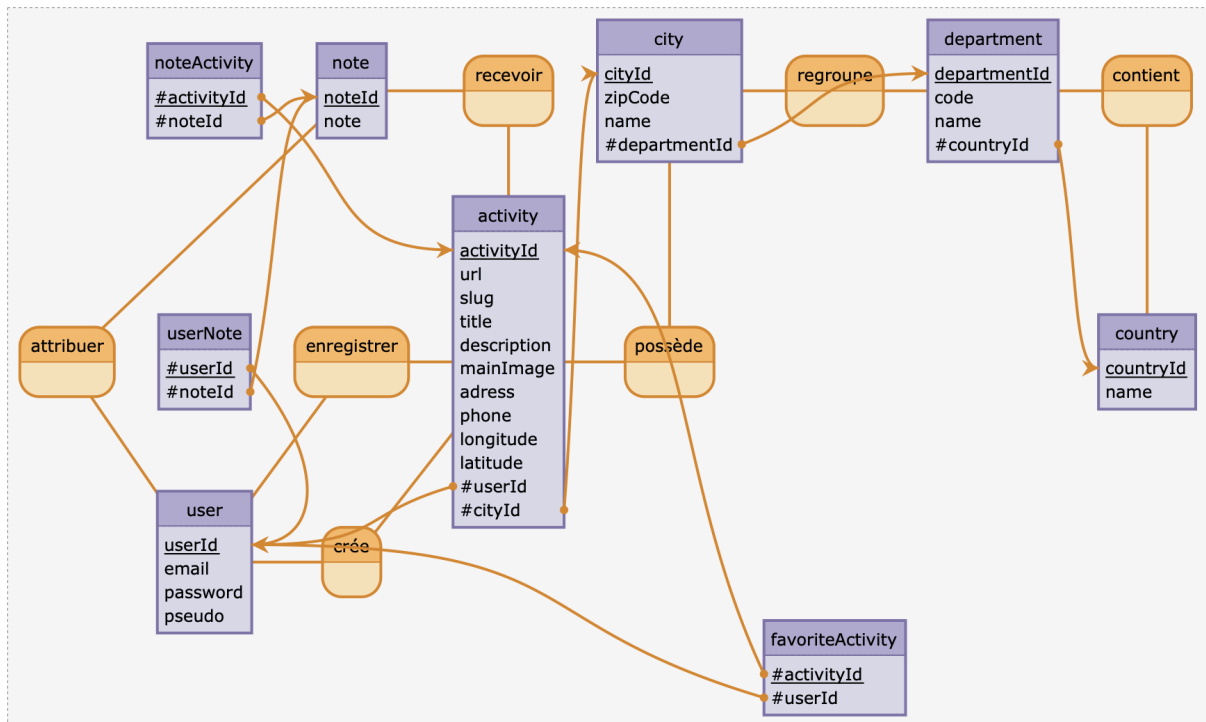
Représentation graphique du MLD :

Représentation textuelle du MLD

USER (user_id, email, password, pseudo)

CITY **(** city_id,name, zip_code, #department_id)

ACTIVITY (activity_id, slug ,title, url, description, main_image, avg_note, address, phone, longitude, latitude,#user_id, #id_city)

NOTE (note_id, note)

DEPARTMENT (department_id, name, code , #id_country)

COUNTRY (country_id, name)

FAVORITE_ACTIVITY (favorite_id,#id_user, #id_activity)

USER_NOTE (user_note_id, #user_id, #note_id)

NOTE_ACTIVITY (note_activity_id,#activity_id, #note_id)

nouvelle version du modèle : **SCRIPT MOCODO**

Modèle Physique des données

Représentation du MPD :

USER

Nom	Type	contraintes	références
user_id	INTEGER	PK	
email	TEXT	NOT NULL UNIQUE	
password	TEXT	NOT NULL	
pseudo	TEXT	NOT NULL	

COUNTRY

Nom	Type	contraintes	références
country_id	INTEGER	PK	
name	TEXT	NOT NULL UNIQUE	

DEPARTMENT

Nom	Type	contraintes	références
department_id	INTEGER	PK	
code	TEXT	NOT NULL UNIQUE	
name	TEXT	NOT NULL UNIQUE	
country_id	INTEGER	FK	country (country_id)

CITY

Nom	Type	contraintes	références
city_id	INTEGER	PK	
name	TEXT	NOT NULL	
zip_code	TEXT	NOT NULL UNIQUE	
department_id	INTEGER	FK	department (departement_id)

ACTIVITY

Nom	Type	contraintes	références
activity_id	INTEGER	PK	
slug	TEXT	NOT NULL	
url	TEXT	NOT NULL	
title	TEXT	NOT NULL	
description	TEXT	NOT NULL	
url_image	TEXT	NOT NULL	
address	TEXT	NOT NULL	
avg_note	INTEGER		
phone	TEXT		
latitude	NUMERIC	NOT NULL	
longitude	NUMERIC	NOT NULL	
user_id	INTEGER	FK NOT NULL	user (user_id)
city_id	INTEGER	FK NOT NULL	city (city_id)

FAVORITE_ACTIVITY

Nom	Type	contraintes	références
favorite_id	INTEGER	PK	
activity_id	INTEGER	FK NOT NULL	Activity (activity_id)

| user_id | INTEGER | FK NOT NULL | User (user_id) |

NOTE

Nom	Type	contraintes	références
note_id	INTEGER	PK	
note	INTEGER		

NOTE_ACTIVITY

Nom	Type	contraintes	références
note_activity_id	INTEGR	PK	
activity_id	INTEGER	FK	Activity (activity_id)
note_id	INTEGER	FK	Note (note_id)

USER_NOTE

Nom	Type	contraintes	références
note_user_id	INTEGER	PK	
user_id	INTEGER	FK	User (user_id)
note_id	INTEGER	FK	Note (note_id)

Script MPD :

```sql
CREATE TABLE "user" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "email" TEXT NOT NULL UNIQUE,
 "password" TEXT NOT NULL,
 "pseudo" TEXT NOT NULL,
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);
```

```sql
CREATE TABLE "country" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "name" TEXT NOT NULL UNIQUE,
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);
CREATE TABLE "department" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "code" TEXT NOT NULL UNIQUE,
 "name" TEXT NOT NULL UNIQUE,
 "id_country" INT NOT NULL REFERENCES "country" ("id"),
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);


CREATE TABLE "city" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "name" TEXT NOT NULL,
 "zip_code" TEXT NOT NULL UNIQUE,
 "id_department" INT NOT NULL REFERENCES "department" ("id"),
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);

CREATE TABLE "activity" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "slug" TEXT NOT NULL,
 "url" TEXT NOT NULL,
 "title" TEXT NOT NULL,
 "description" TEXT NOT NULL,
 "url_image" TEXT NOT NULL,
 "address" TEXT NOT NULL,
 "phone" TEXT,
 "avg_note" INT,
 "latitude" NUMERIC NOT NULL,
 "longitude" NUMERIC NOT NULL,
 "id_user" INT NOT NULL REFERENCES "user" ("id"),
 "id_city" INT NOT NULL REFERENCES "city" ("id"),
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);
CREATE TABLE "note" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "note" INT NOT NULL,
```

```sql
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);



-- Tables de liaison
CREATE TABLE "favorite_activity" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "id_user" INTEGER NOT NULL REFERENCES "user" ("id"),
 "id_activity" INTEGER NOT NULL REFERENCES "activity" ("id"),
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ,
 UNIQUE (id_user, id_activity)
);
CREATE TABLE "user_note" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "id_user" INT NOT NULL REFERENCES "user" ("id"),
 "id_note" INT NOT NULL REFERENCES "note" ("id"),
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
);

CREATE TABLE "note_activity" (
 "id" INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
 "id_activity" INT NOT NULL REFERENCES "activity" ("id"),
 "id_note" INT NOT NULL REFERENCES "note" ("id"),
 "created_at" TIMESTAMPTZ NOT NULL DEFAULT CURRENT_TIMESTAMP,
 "updated_at" TIMESTAMPTZ
 );
```