

Universidad Mesoamericana

Diseño de la Base de Dato

POSTGRESQL

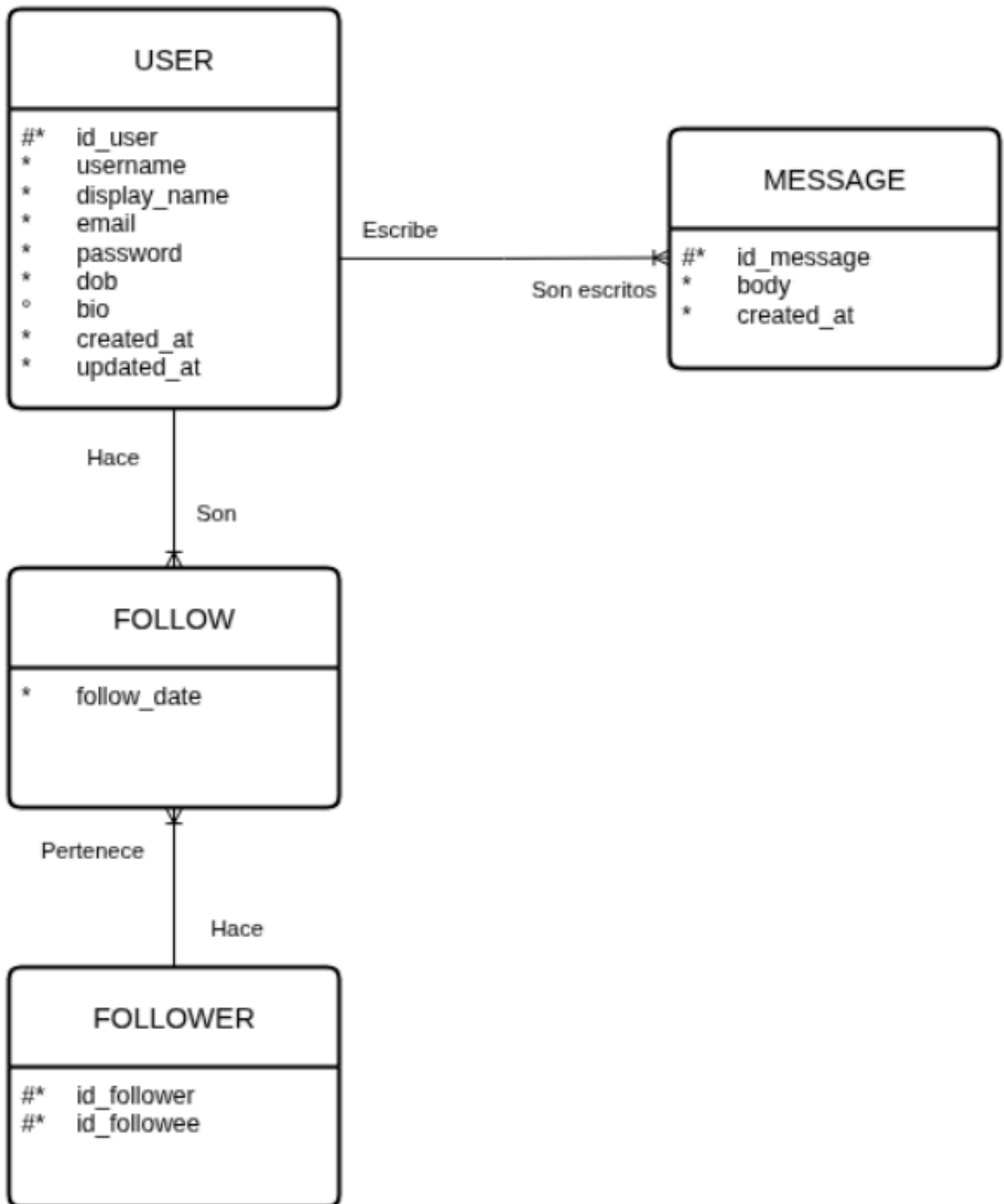
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**Programación
Web**


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Fecha de Entrega: 20/09/2025


Diagrama Entidad - Relaciones (ERD):



SQL Script:



```
1 BEGIN;
2
3 CREATE TABLE "USER" (
4     "id_user"      SERIAL CONSTRAINT "pk_USER" PRIMARY KEY,
5     "username"     TEXT NOT NULL,
6     "display_name" TEXT NOT NULL,
7     "email"        TEXT NOT NULL,
8     "password"     TEXT NOT NULL,
9     "dob"          DATE NOT NULL,
10    "bio"           TEXT,
11    "created_at"    TIMESTAMPTZ NOT NULL DEFAULT NOW(),
12    "updated_at"    TIMESTAMPTZ NOT NULL DEFAULT NOW()
13 );
```



```
1 CREATE TABLE "MESSAGE" (
2     "id_message"  SERIAL CONSTRAINT "pk_MESSAGE" PRIMARY KEY,
3     "id_user"     INT NOT NULL,
4     "body"        TEXT NOT NULL,
5     "created_at"  TIMESTAMPTZ NOT NULL DEFAULT NOW(),
6     CONSTRAINT "fk_MESSAGE_id_user_USER"
7         FOREIGN KEY ("id_user") REFERENCES "USER" ("id_user")
8 );
```



```
1 CREATE TABLE "FOLLOWER" (  
2     "id_follower" INT NOT NULL,  
3     "id_followee" INT NOT NULL,  
4     CONSTRAINT "pk_FOLLOWER" PRIMARY KEY ("id_follower", "id_followee"),  
5     CONSTRAINT "fk_FOLLOWER_id_follower_USER"  
6         FOREIGN KEY ("id_follower") REFERENCES "USER" ("id_user"),  
7     CONSTRAINT "fk_FOLLOWER_id_followee_USER"  
8         FOREIGN KEY ("id_followee") REFERENCES "USER" ("id_user")  
9 );
```



```
1 CREATE TABLE "FOLLOW" (  
2     "id_follower" INT NOT NULL,  
3     "id_followee" INT NOT NULL,  
4     "follow_date" TIMESTAMPTZ NOT NULL DEFAULT NOW(),  
5     CONSTRAINT "pk_FOLLOW" PRIMARY KEY ("id_follower", "id_followee")  
6 );  
7
```



```
1 ALTER TABLE "FOLLOW"  
2     ADD CONSTRAINT "fk_FOLLOW_pair_FOLLOWER"  
3     FOREIGN KEY ("id_follower", "id_followee")  
4     REFERENCES "FOLLOWER" ("id_follower", "id_followee");  
5  
6 COMMIT;  
7
```