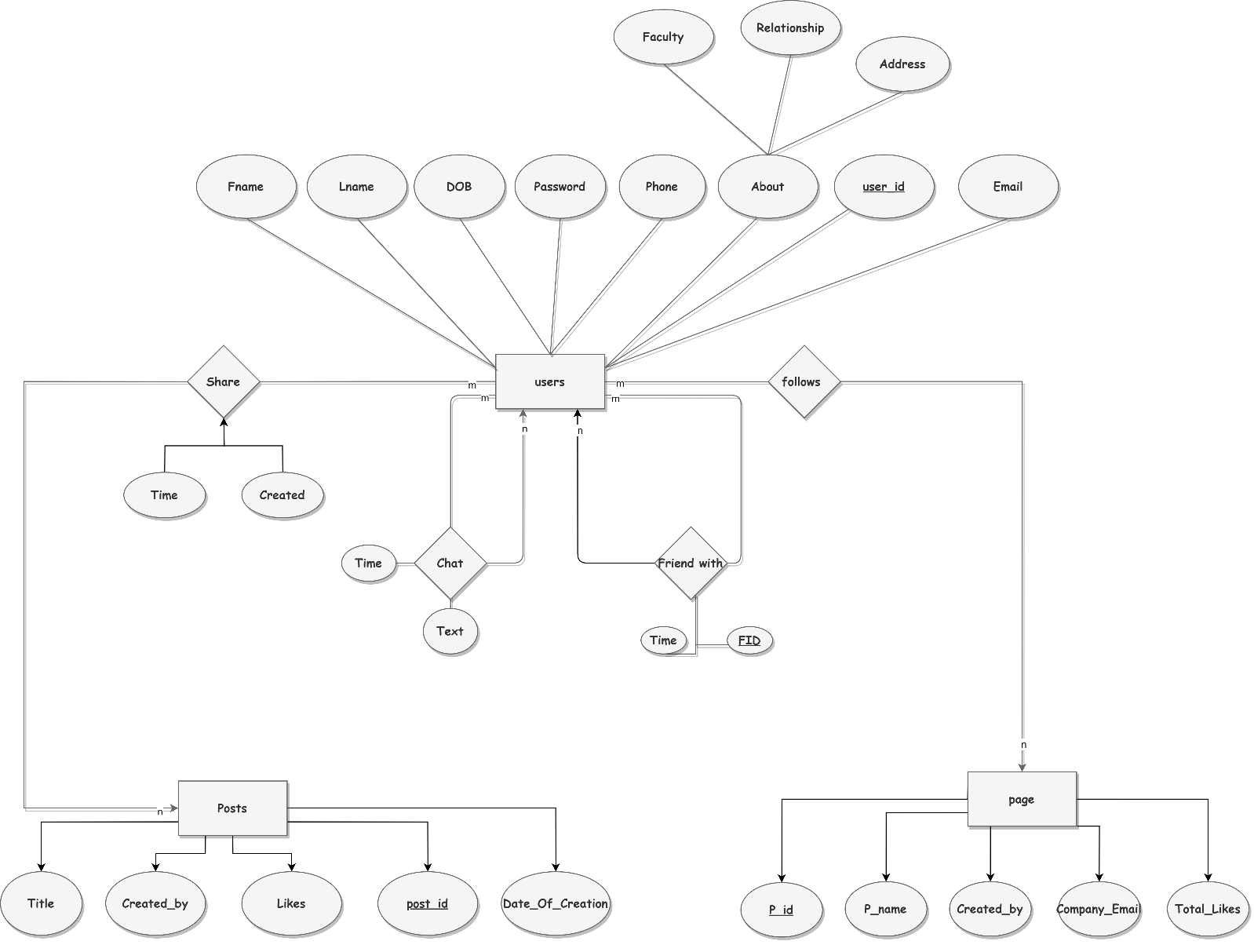
**Database Facebook project**

**Participations :-**

|  |  |
| --- | --- |
| ID | Name |
| 20221427861 | عبدالله حسين إبراهيم حسين محمد |
| 20221460231 | محمود عصام فتحي جبر |
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| 20221374025 | زياد أشرف حافظ جابر مصطفي |
| 20221374041 | عبدالرحمن اشرف رجب |

**ER Diagram :-**

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**Schema :-**

**1-Entities**

**Users(user\_id,Fname,Lname,Date\_of\_Birth,Password,Phone,Faculty,Relationship,Address)**

**Posts(post\_id,likes,date\_of\_creation,created\_by,title)**

**Page(p\_id,Page\_date\_of\_creation,p\_name,total\_likes)**

**2-Relations**

**Chat (chat\_id, user1\_id, user2\_id, text,time) “many to many Relation between user entity and itself such as : user1\_id and user2\_id are connected with FK to user\_id in User entity,and chat\_id is the primary key”**

**Friend\_with(Friend\_id,user1\_id,user2\_id,date)”many to many relation between user entity and itself such as : user1\_id and user2\_id are connected with FK to user\_id in User entity”**

**Share(user\_id,post\_id,time,Created)”many to many relation between User entity and Posts entity such that : user\_id,post\_id are composite primary keys connected with FK to User,Posts entites respectively”**

**follows(user\_id,p\_id)”many to many relation between User entity and Page entity such that : user\_id and p\_id are composite primary keys connected with FK to User , Page entities respectively”**