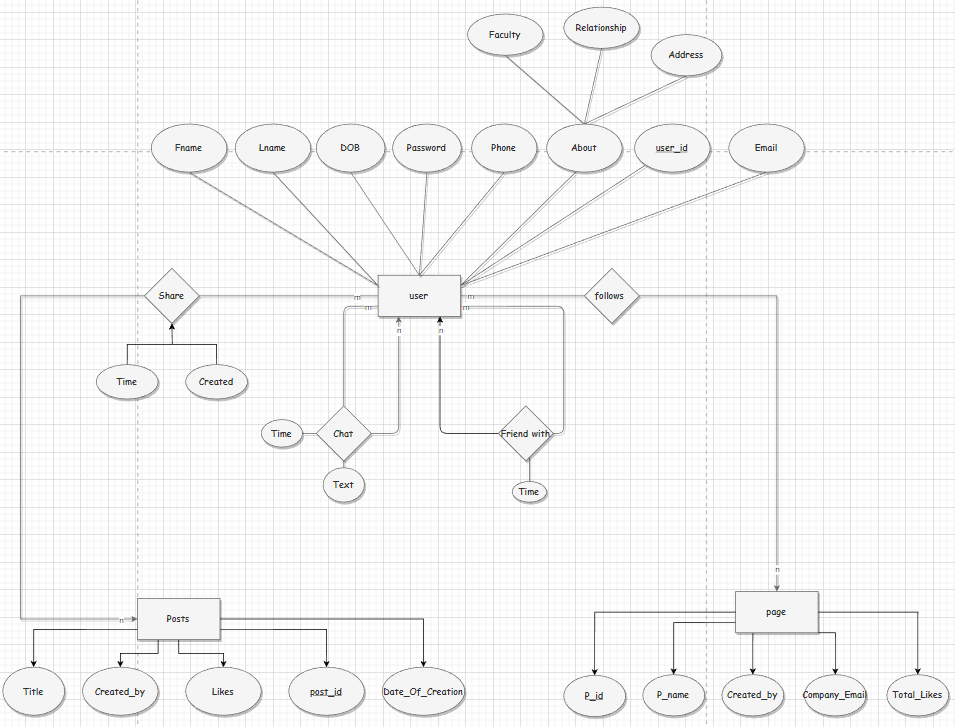
**Database Facebook project**

**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 :-**



**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(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)”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”