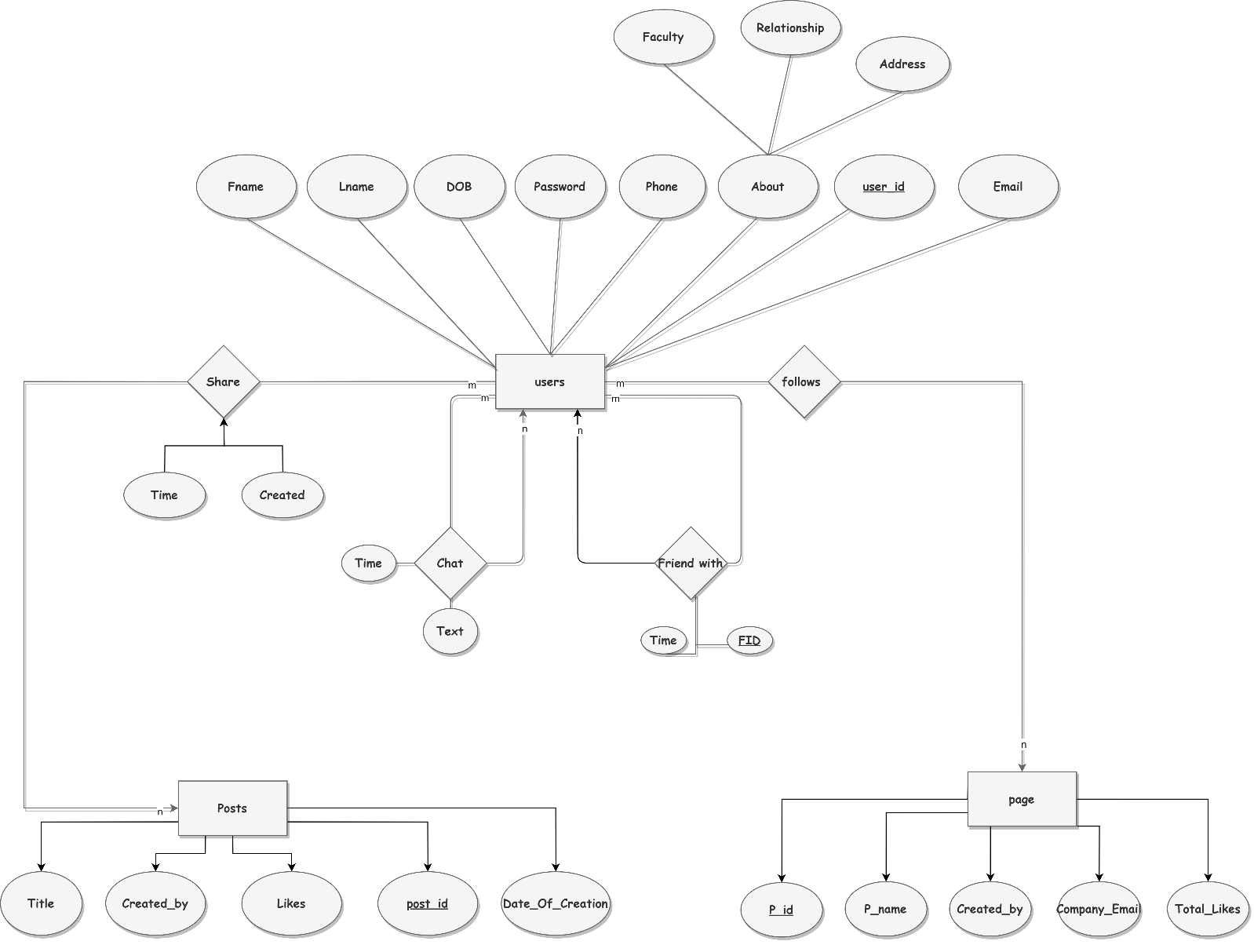
**Database Facebook project**

**Participations: -**

|  |  |
| --- | --- |
| ID | Name |
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**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)**

**There is a "many-to-many" relationship within the user entity itself, where both user1\_id and user2\_id are linked to the user\_id in the User entity using foreign keys, and the chat\_id serves as the primary key.**

**Friend\_with(Friend\_id,user1\_id,user2\_id,date)**

**There exists a "many-to-many" relationship within the user entity itself, where user1\_id and user2\_id are connected to the user\_id in the User entity through foreign keys.**

**Share(user\_id,post\_id,time,Created)**

**There is a "many-to-many" relationship between the User entity and the Posts entity, where the composite primary keys user\_id and post\_id are connected to the User and Posts entities respectively using foreign keys**

**follows(user\_id,p\_id)**

**There is a "many-to-many" relationship between the User entity and the Page entity, where the composite primary keys user\_id and p\_id are connected to the User and Page entities respectively using foreign keys.**

**What about Login and register?**

**Based on the interface will be made, user will put its inputs, so will take these inputs and store it in User entity, then when log-in user will check if this data as same as input, then will log in if the data is as same as input of user.**

**Normalization**

**Based on All entites :**

**Users(user\_id,Fname,Lname,Date\_of\_Birth,Password,Phone,Faculty,Relationship,Address) Achieving First-Second-Third NF**

**Posts(post\_id,likes,date\_of\_creation,created\_by,title) Achieving First-Second-Third NF**

**Page(p\_id,Page\_date\_of\_creation,p\_name,total\_likes) Achieving First-Second-Third NF**

**Chat (chat\_id, user1\_id(fk), user2\_id(fk), text,time) Achieving First-Second-Third NF**

**Friend\_with(Friend\_id,user1\_id(fk),user2\_id(fk),date) Achieving First-Second-Third NF**

**Share(user\_id,post\_id,time,Created) Achieving First-Second-Third NF**

**follows(user\_id,p\_id) Achieving First-Second-Third NF**

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**Code has been done in phpMyAdmin, the next step is to set up this data into interface to do.**