# فاز دوم پروژه ی طراحی پایگاه داده – طراحی منطقی

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**توجه:**

در طراحی منطقی primary key با رنگ قرمز مشخص شده و foreign key با underline کردن مشخص شده است

User (ID, name, biography, phone\_number, phone\_number\_visibility\_bit\_array)

Community (ID, biography, name, link, member\_count, owner)

Channel (ID)

Group (ID)

File (path, mime\_type, content, owner\_uid)

Message (ID, content, scheduled\_data, replied\_to\_mid, sender\_uid, send\_date, owner\_uid)

Chat (ID, participant\_ui1, participant\_ui2)

AccessPermission (permission\_name)

Member\_User\_Community (uid, cid, join\_date)

Admin\_User\_Community (uid, cid)

Kicked\_Out\_User\_User\_Community (kicker\_uid, kicked\_uid, cid, time\_out)

Post\_Message\_Channel (mid, channel\_id, views)

Message\_in\_Group (mid, group\_id)

Community\_Permission (cid, p\_name)

Community\_Permission\_Assigned\_User (cid, p\_name, uid)

Message\_in\_chat (chat\_id, message\_id) #pv messages (we can forward a message in multiple chats)

Attachment\_file\_to\_message (file\_id, message\_id)

Photo\_image\_profile (file\_id, uid, date\_added)

Block\_user (blocked\_uid, blocker\_uid)

Contact (uid, phone\_number, name)

Acl\_blacklist (uid, cid, bit\_array)

Acl\_whitelist (uid, cid, bit\_array)