**Pseudo Code of the Process Flow:-**

User Signs up:

Check whether User fb\_user\_id exist in rc\_user\_master table

If Yes:

For each fb-friend check whether this fb-friend exists in rc\_user\_master table

If Yes:

update rc\_user\_master for each friend record.

else:

check whether friend exists in fb\_user\_master table

if Yes:

update fb\_user\_master for each friends record. else:

add friend to fb\_user\_master table

insert relationship in fb\_network table

else:

Check whether User fb\_user\_id exist in fb\_user\_master table

If Yes:

For each friend check whether friend exists in fb\_user\_master table

If Yes:

update fb\_user\_master

else:

insert new user record in fb\_user\_master table

insert new relationship in fb\_network table

else:

insert new user record in fb\_user\_master table

insert new relationship in fb\_network table

User tags someone as a candidate:

Step 1:

1. insert a new record in rc\_candidate\_master table & set status = 1 (active).
2. set creator\_id=rc\_user\_master\_id

Step 2:

1. update the rc\_candidate\_relation table
2. set guardian= rc\_user\_master\_id

User recommends a candidate:

Step 1:

1. insert a new record in rc\_candidate\_master table & set status = 0 (inactive).
2. set creator\_id = rc\_user\_master\_id (recipient)

Step 2:

1. update the rc\_candidate\_relation table
2. set fb\_recommender = rc\_user\_master\_id

User initiates a candidate:

Step 1:

1. insert a new record in rc\_candidate\_master table & set status = 0 (inactive).
2. set creator\_id = rc\_user\_master\_id (recipient)

Step 2:

1. update the rc\_candidate\_relation table
2. set fb\_initiator = rc\_user\_master\_id