Friend Function

Add friends

Friend Menu

entry/Display choices
do/Take user input

user chooses option

Method to
display
potential
friends

[based on name]

Search

do/Generate List based on query

[recommendation]

recommend: FriendRecommender

List Generated

Friend List

do/Displays List

click on add friend [user not blocked] / send friend request

Update Details

do/Update sender and receiver with respective details

FriendRecommender

Database Access

entry/Establish Connection
do/Get verbose details from database
exit/Close Connection

Preprocess User Info

do/Preprocess user info for faster matching

Algorithm

entry/Establish connection to database with preprocessed data
do/Generate list of most likely friends
exit/Close connection