Active Teaming System
Final Report

System features:

- For a random visitor, the system provide a GUI showcasing the top 3 rated projects and top rating OU profiles and SU profiles to showcase the power of the system. A visitor can surf around to find more OUs/VIPs and projects: **A guest page is display where the user can check the top groups and their purpose as well as the top ordinary users. A guest user can click on one of the top groups and see the group in a more detailed view**

- Give visitor an option to register to be OU: the visitor has to fill in basic personal information such as name, email address, interest, credential and reference who are already an OU or VIP of the system. One SU will check these info to either approve or reject. If approved, the SU will send an email with account id and password, when the new OU first login, s/he is required to change the password. If rejected, the applicant has one chance to appeal and the SU will make a final decision to reverse the rejection: if still reject, then this visitor will be put in blacklist forever. The approved OU will receive an initial reputation score by the reference: an OU can give a score 0-10; a VIP can give score 0-20: **A visitor can apply for an account that the super user can review after and either accept or deny it, if the person applicating is accepted the user put as reference will be given a score from 0-10 by an OU and 0-20 by a VIP**

- OUs can form groups by inviting other OU(s) for a certain purpose: the other OUs can accept or reject the invite. If reject, the OU should respond by the reason. An OU can put some OUs to his/her white-box: accept all invites or black-box: reject all invites with automatic message. For instance, the group could be some students taking 32200 as a study group: **OU's can create groups and give the group a name no spaces and group purpose and then can proceed to invite other OU's. Also, an OU can add OU's to his or her Whitebox which will cause invites from that user to be accepted automatically. In addition, the OU can also add an user to his or her Blackbox and the invites sent by that OU will be automatically rejected.**

- Once a group is formed, a group web-page should be made available that is accessible to all group members: some information is public to be browsed by visitors and other OUs, some could be set as private to the group members only such as evaluations and warnings. All group members can moderate and post to the group page. This page will be used for posting updates and scheduling meet-ups: **Once a group is created a group-detail page is made available and some information can be view by OU's that are not part of that group. Other features of the page such as polling or voting are made only available to members**

- Any group member can ask for a meet-up polling to find common time for all members to meet. Once all members responded, the time slot with the most votes will be chosen. If a member has missed scheduled meeting twice, s/he will receive a warning. The voted out member can appeal to the SU to possibly change the reputation scores. Each group member should have a track record for the number of assigned tasks that have been done, which is the foundation for the group warnings and the appeals of the affected group member(s): **Any group member can start a poll to find a common time to meet. After every member voted the results of the poll will be shown in the posts section of the group.**

- The group members can vote to issue a warning or a praise to a group member, the vote must be unanimous. A member receiving 3 warnings will be automatically removed from the group and get a 5 point reputation score deduction. The group can also vote to kick out a member directly, the member will be removed from the group and receives 10 point reputation score deduction. An OU with negative reputation score will be removed from the system and put into black-list automatically: **OU's can vote for either warning, praising, or kicking a group member out of the group. If the vote is for praise the OU's reputation will be increased. If the vote is for warning, after 3 warnings the user will be automatically removed from the group and 5 points will be deducted. If the vote is to kick, it has to be an unanimous vote and the user will be automatically removed from the group**

- The group members can vote to close the group, and conduct an exit evaluation to other members. Each member will receive the median reputation score given by all other members. And every member can decide if s/he is willing to put the other member to her/his white-box or black-box afterwards and why. After group closure, the SU will assign a VIP to evaluate the group and determine a reputation score for the entire group to be added/deducted for all members involved. The system will keep a ranking list of finished groups to be showcased: **Group members can vote to close a group and conduct survey evaluation survey.**

- An OU whose reputation score is higher than 30 will be promoted to VIP; and a VIP whose score is lower than 25 will be demoted. All VIPs can vote one VIP as the democratic SU: **OU's get promoted to VIP or demoted back to OU's based on their rep score. Higher than 30 promotes the OU to VIP and less than 25 demotes the VIP back to OU.**

- Visitors and OUs can complain to SU about a group or other OUs, the SU will decide if the complaint merit action. The SU can decide to shut down the group or OU and punish all involved by a certain score deduction or even kick them out from the entire system: **A guest can file a complaint to the SU about other OU's or Groups and then that SU will decide if the complain merits action and punish the group or OU.**

- OUs who are kicked out will have the final chance to login and do some final processing and will be unable to login ever after: **Not fully implemented**

- The entire system keep a list of taboo word list, any message by any OU with these taboo word will be converted to *** automatically and the OU's reputation score will be decreased by 1: if s/he uses the same word again later, his/her reputation score will be decreased by 5: **The system keeps a list of taboo words in a file called taboo.py inside of the Post folder that can be updated at any time. If the user writes a taboo word it will be converted to ***

- OUs can send compliment about other OUs to SU, and SU will increase the reputation score of the complimented OU, any OU receiving 3 compliments, regardless of the reputation score: **OU's can compliment about other OU's to a SU and the reputation of the complimented user will increase by one after three compliments regardless of the reputation score.**