

Team C: The Hive System Features

- ❖ For a random visitor, the system provides 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
 - When you first open the system, the visitor first sees the top 3 projects and top 3 users in the system. The visitor can click on the projects and the users to view information on them such as rank, score, project description.
- ❖ Give visitors an option to register to be OU: the visitor must fill in basic personal information such as name, email address, interest, credential, and reference who are already an OU or VIP of the system.
 - A visitor has the option to go to the registration page and fill in the provided information. This information would be sent to the SU profiles as pending users. Warnings will pop up when fields are empty or when the email is already in the system.
- ❖ One SU will check this 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.
 - An SU can see a list of pending users with their information. When they accept, an email is sent to the accepted user with a generated username and password. Warnings will pop up when fields are empty or if username and password is not in the system. New OU's can login with the information provided in the email and then they are directed to change their 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 on the blacklist forever. The approved OU will receive an initial reputation score by the reference: and OU can give a score 0-10; a VIP can give score 0-20.
 - Once an applicant is rejected, they can check their status by entering their email. They either appeal to join the system again or get put in the blacklist. Every new OU is given an initial score of 10.
- ❖ OUs can form groups by inviting other OU(s) for a certain purpose: the other OUs can accept or reject the invite. If rejected, the OU should respond by reason. An OU can put some OUs to his/her white-box: accept all invites or black-box: reject all invites with automatic messages.
 - An OU has the option to create a new group and invite members. An error pops up if they try to invite members before creating a group. OU's also have a white box and black box, where they can add and remove members from.
- ❖ Once a group is formed, a group 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 meetups. Any group member can ask for a meet-up polling to find common time for all members to meet. Once all members respond, the time slot with the most votes will be chosen.

- Once an OU accepts an invitation from a group, they can access the group on their profile page. Members in a group can post, chat, and create polls for meetup times. Only the group name and description are available to non-members.
- ❖ If a member has missed a 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).
 - Each group can store a list of group tasks assigned to a group member. Each task has a deadline and status which can be pending, complete, or incomplete.
- ❖ 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 a 10-point reputation score deduction. An OU with negative reputation score will be removed from the system and put into blacklist automatically. 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.
 - Members can create a poll to vote to issue a warning or praise to a group member. They may also vote to kick a member out. If majority rules, the member will be removed from the group and have points deducted. Group members may also vote to close the group.
- ❖ 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.
 - An SU can kick out members from a system and close a group. They can assign a VIP to evaluate their group.
- ❖ 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.
 - An OU and a VIP will be promoted or demoted in accordance to their reputation score. VIPs can vote another VIP as the democratic SU.

- ❖ OUs can complain to SU about a group or other OUs, the SU will decide if the complaint merits 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.
 - An OU can send complaints about other OUs and groups to the SU. An SU has a comment folder which stores the complaints received. An SU can respond by shutting down a group, kicking out members, or deducting points.
- ❖ 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.
 - An OU will be allowed to login one more time. After they log out of this session, they will be put on blacklist and be unable to register or login ever.
- ❖ 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.
 - A taboo word list is available and any word in that list is censored when shown in the chat or post blog. The reputation score is affected according to how many times a taboo word is used.
- ❖ OUs can send compliments about other OUs to SU, and SU will increase the reputation score of the complemented OU regardless of the reputation score.
 - An OU can send compliments about other OUs and groups to the SU. An SU has a comment folder which stores the compliments received by OUs. An SU can respond by rewarding points.