**SABRE OVERVIEW**

**FINAL REPORT**

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Type of users:

* *visitor*: no need to login, just surf around

**-Every Visitor can surf around to see the member and existing projects.**

* *ordinary user* (OU): all self registered users who are approved by SU, need login

**-Every guest user has the option to register.**

* *VIP*: OUs whose reputation scores exceed a threshold set by SU

***-*Reputation score higher than 30 automatically promoted to VIP.**

* *super-user* (SU): one founding SU who initializes the system; one democratic SU who is voted by VIPs

***-*The Super User has control over the total system user and every groups created.**

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

**-Random visitor has the options to surf around. In the main page there is an option at the end called guest user. They can click that and it will take users to a page that will showcase top three project and top five user profile. At the bottom the user has the option to called see more. This allows the guest user the access to the every group and its public post and the every members.**

* 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.

-**Every visitor can register to be an OU. In the home page there is an option called “Register now” if they touch the text the user will be taken to a new screen with asking for their credential. After they put in all the information they touch the submit option.**

**-SU can review the registration application from their page. They can accept the application or deny it. If accepted the applicant will receive an email stating, they got accepted. If Denied the applicant will receive an email stating they are denied and reapply with an appeal. If they are denied again they will be put into blacklist.**

* 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.
* **The app give user the ability to create a group and invite others. After the user creates the group with a unique name it will also make a group chat available for its members. Every OU or VIP has the option to create group and send out the invites to specific user email. Once they done inviting, they can press done button.**
* **After that the users can find the group invite in the group invites tab. Then can decide to deny or accept the group invite. If they Accept the group invite they will be added to the group and group chat. If the user decides to deny it the request will be removed from the users list.**
* 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.
* **After the group is formed a webpage is made available. In this page members can post images and texts. Also, there is option for the posts to be public or private. After the post other user can like or dislike it. They can also share their opinion on it on the comment section. The scheduling for meeting is a post. So users can post time and location for meetup.**
* 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).
* **For calling a meeting any group members can post in the group with time and location. If a member has been missing meetups they group members can complain to SU from the home page on the top right, there is an option for complains.**
* 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.

**-An OU with negative point will be kicked out of the system and be added to blocklist. A member can be removed with the help of SU. The group members can appeal to SU to remove certain members.**

* 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.
* **When the group members decided to delete the group they can put a post and based on the like and unlike status a user will contact SU to permanently shut down the 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.
* **Whenever there is an update on the users point whether its automatic or by SU it will check if the user went above 30 point to be promoted to VIP or gone below 25 point to be demoted 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.
* **Every Visitor and OU has the options to make complains to the SU regarding their issue. Both OU and visitor’s and even VIP have the option for complaints on the three-dot menu option. After they touched the complaint option they will be taken to a page where they can write their complaint and send it to SU. SU can review it from their end and take appropriate action. SU has the power to shut down a group or kick out a user permanently from their menu option.**
* 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
* **After OU kicks out someone they can login for the final time. During login a Firebase auth function triggers based on the database that deletes their authentication thus they can’t access the system after leaving.**
* 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 the option for taboo words in the group chat and one to one chat. If someone enter a bad word the word will be turned into \*\*\*\* and their reputation point will be decreased.**

**-Users can connect with each other using the connect option menu from the chat window. Where they enter the person’s email they want to connect to. The other person can accept or deny the request.**

* 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 send compliment from the compliment option from the menu option top right corner. After the compliment option is selected a new window opens where users can send compliment to someone using their email and a message. SU reviews the compliments. System keeps track on how many times someone gets a compliment and quires the database based on highest compliments. After someone gets three complement SU changes points for that individual and deletes the compliment by using long press.**