Distributed Enterprise Computing

CSE 5234

Jagannath Narsingam

Nandkumar Khobare

Priyanka Sadavartia (Sadavartia.1@osu.edu)

System requirements and analysis

Use Cases:

1. User requests to register into BucKonnect by the following steps
   1. OSU ID to be provided
   2. Format of the ID to be validated. If format is correct, send activation email to the ID, else prompt error. This will be the Username of the user.
   3. Once user activates the process of registration by clicking on the activation link provided in the Buck-Email, user will be prompted to enter First Name, Last Name, Password, Date of Birth, Student / Faculty and Major, RandomGroup, T&C. These will be mandatory fields.
   4. Optional fields will follow: Interests, Phone number, Groups, Privacy Settings (Call, Text, View Permissions(F, FoF)), About Me.
2. User Logs-In to the system as follows
   1. Username and Password combination to be correct.
   2. If you forget password call Activation link (temporary PW to be generated)
3. User can search as below
   1. Search for a user based on certain filters.
   2. Search for a group
   3. Search for an event.
4. User can create a group and will automatically become Primary Admin(PA) of group. PA can nominate other users to become Secondary Admins(SAs) to the group. User can create events in group and automatically be given status of Primary Event Coordinator (PEC).PEC can make any other user of the event as Secondary EC(SEC).PA can revoke SAs rights and PEC can do the same for SECs. In case a PA / PEC is detached from a Group / Event, the first attached SA / SEC will automatically be elevated to the status of a PA / PEC.
   1. ECs can attach groups/users to their events.
   2. If a user/group requires to be added to an event , a request is sent out to one of the ECs.
5. User / Admin posts in groups, events and (user’s walls) as a normal user / admin.
6. User requests to be added to a particular group. Admin gets notification and adds / does not add user to group.
7. Once a user has been added to a group, user can post and reply to threads. User can edit own posts while Admin can delete any post irrelevant to the group.
   1. User can create events in group and can also search for events in the group. Calendars will be updated if a user creates / RSVPs to a particular event for which the time has been decided.
   2. Users / Admin can invite other users to join the group / event.
8. User will have access to his calendar. User will be allowed to edit his calendar as he wishes to.
   1. User can view the calendar of a group he/she is a member of, ECs can edit the calendar entries of the events which would in turn update the calendar entries of all the groups/users which are attached to the event.
9. User can connect to other users by visiting his/her profile by one of the following methods
10. Send an Email
11. Send a text message
12. Make a call

All these can be done only if the privacy settings are enabled for these categories.

1. A meeting could be scheduled between two users which would result in an entry being added in both their calendars marking the meet.
2. Users can report other users if their actions seem inappropriate. Each user is allowed three reports following which the user would be blocked from the BucKonnect database. A report would automatically block connection between the users. A user could also just block a user from ever contacting him/her again rather than reporting the user. 10 blocks and the user would be blocked from using BucKonnect. The reports would be validated by the admins of BucKonnect itself before a user would be blocked.
3. If a user enables RandomGroup, the user would be put into a special group called RandomGroup. This group will randomly schedule events / discussion topics based on the interests of one or two members of the group (chosen by a random algorithm). The randomly chosen members would then be notified of this, and if they accept it, an event will be created with them as ECs.
4. A user can set and edit his settings at his discretion. Settings would consist of privacy and general settings. Privacy settings would include settings to display personal information such as Email-ID, Phone number and so on. It will also include the settings as to the level of connection allowed between users.
5. A user can search for other users / groups / events based on filters as mentioned. Name, OSU ID, Interests and Majors.