Use case: Logon

Description:
The user has the ability to logon to the system to be able use it

Comments:
Based on the system scenario, this use case might not be necessary based on Single Sign On with other systems. Initially, the user will probably use username/password but through the use of UME the tool has the ability to support of variety of login possibilities including OpenID.

In our initial scenarios, the relevant UI may be browser-based or AIM-based.

Preconditions
1. User has an active account

Postconditions
1. User is logged in and may use the system

Steps
1. The user selects the "Logon" link
2. The user types in his/her username and password
3. The user hits the "OK" button
Use case: Register User

**Description:**
The user has the ability to join the system as a user.

**Comments:**
In a corporate environment, this might not be necessary, since the portal is usually connected to a corporate LDAP where such changes would take place via other means. In our initial scenarios, the relevant UI must be browser-based.

**Preconditions**
1. User has an email

**Postconditions**
1. User is active
2. User is placed in standard groups "ESME_USER" and "Public"
3. Private group "[USER]_PRIV" is created and user is placed in it

**Steps**
1. The user selects the "Register" link
2. The user is shown a screen where the user can create a user name
3. The user must add his email (mandatory), password (mandatory) and location
4. The user presses "OK"
5. The system sends an activation email to the user based on the email submitted.
6. The user clicks on a link in the email.
7. The user is now activated.
Use case: Create Group from Tag Cloud

Description:
The user can create a group based on the words in a tag cloud.

Comments:
We still have to decide how many words are permissible. I’d like to stop at three words.

Preconditions
1. User is logged in
2. At least one group is selected.
3. A tag cloud is being viewed

Postconditions
1. A group has been created

Steps
1. The user selects up to three words in the tag cloud
2. With a right mouse click, a context menu appears.
3. The user selects the menu item, "Create Group"
4. The user can enter a group name (which of course must be unique)
5. The system creates a new group including the top users (up to ten) who have most often used the words selected by the user.
6. An overlay appears "Group [Group_name] has been created"
7. The new group is added to the "Group" tab.
8. The new group is selected in the "Group" tab.
Use case: Group Administration

Description:
The user can search for groups based on tags. The user can also join groups based on the search results.

Comments:
We have to decide how the tags for the groups are created. UME has the ability to associate attributes with groups. We could use the UME description as well. Another question concerns the creation of the tags themselves.

Preconditions
1. User is logged in

Postconditions
1. The group-related activities have been performed successfully

Steps
1. The user switches to the "Find Group" perspective
2. The user enters a series of tags with which to search the groups
3. The system searches for the groups based on the search words
4. A list of groups is displayed with group name, description.
5. "Public" groups have a light blue background
6. "Private" groups have a white background
7. Groups in which the user is a member have a check mark in front of them.
8. With a right click, a hover menu on the groups appears
9. The navigation item "Show members" is just present on public groups and displays the users (See "Use Case - Show Users for Group")
10. The navigation item "Join" is just present on public groups.
11. The navigation item "Request membership" is just present on private groups.
12. The navigation item "Drop" is just present for both groups types but just for those groups where the user is a member.
13. The navigation item "Add User" is just present for just present for private groups types. This item is just visible for the owner of the private group (See Use Case - Add User to Group)
14. The navigation item "Delete Group" is just present for just present for private groups types. This item is just visible for the owner of the private group (See Use Case - Delete Group)
15. The user selects "Join"
   1. An overlay appears "Joining Group [GROUP NAME].
   2. The group is added to the group perspective
   3. The group is selected in the group perspective
16. The user selects "Request membership"
   1. An overlay appears "Requesting permission for group [GROUP NAME].
   2. An email is sent to group administrator asking to activate the user
17. The user selects "Drop"
   1. An overlay appears "Removing user from group [GROUP NAME].
   2. The system removes the user from the group
   3. The group is removed from the "Groups" Tab
   4. (OPTIONAL) Should the message view be updated as well?
Use case: Join Group

Description:
The user may join a group

Comments:
There will be public and private groups in the tool. Everyone can join a public group. Entrance in a private group requires the permission of the group owner.

Preconditions
1. User is logged in

Postconditions
1. User is either a member of a public group or user has requested membership to private group

Steps
1. User searches for existing groups (See "Use Case - Search Groups") based on certain tags.
2. A list of groups is displayed.
3. A tool tip for the groups displays a short description of the group and whether it is private or public
4. A context menu allows a user to view the members of the group
5. The user selects those groups to which he/she wants to join.
6. User selects "OK"
Use case: View Tag Cloud from Users

**Description:**
The user can view a tag cloud based on the selected users. These are users that can exist within one group or are in multiple groups.

**Comments:**
We should decide if the "Add users to tag cloud" should also be available on the tag cloud perspective itself.

**Preconditions**
1. User is logged in
2. The user is viewing the "Members" perspective

**Postconditions**
1. User has view a tag cloud based on tweets of users.

**Steps**
1. The user selects one or multiple users.
2. With a right click, a hover menu on the groups appears
3. The navigation item "Create new tag cloud" is selected.
   1. The "Tag cloud" perspective is opened
   2. A new cloud is created based on the words that are present in the tweets from selected users
4. The navigation item "Add users to tag cloud" is selected.
   1. The "Tag cloud" perspective is opened
   2. The tweets from the selected users are added to the existing cloud.
Use case: Resend message

Description:
The user can resend a message to the selected groups

Comments:

Preconditions
1. User is logged in
2. At least one group is selected.

Postconditions
1. The message has been sent to the select group

Steps
1. The user selects the "Message" View
2. The user selects a received message
3. By "right-clicking", a context menu appears
4. The user selects the menu item "Resend" in the context menu. [Optional - A sub-menu appears with a list of available groups. The user might select to send to just one of these groups. What about multiple selections?]
5. The message is sent to groups selected in the "Groups" tab
Use case: Select Active Groups

Description:
The user selects those groups which are used as the basis for tool functionality.

Comments:
For example, the idea is that users can select those groups to which messages can be sent or received. From the total number of groups in which a user is member of, at least one group must always be selected.

Preconditions
1. User is logged in

Postconditions
1. The tool functionality is restricted to at least one group.

Steps
1. The user selects the "Groups" tab
2. A list of groups in which the user is member is displayed. Public Groups are in blue. Private Groups are in green
3. Those groups that are selected have a checkmark in front of them
4. The user may click on the "Select All" to select all groups
5. The user may click on the "Deselect All" to deselect all groups
6. The user may doubleclick on a group to select it
Use case: Send Message

Description:
The user sends a message to selected groups

Comments:

Preconditions
1. User is logged in
2. At least one group is selected.

Postconditions
1. A message is sent to the selected groups

Steps
1. The user selects the "message" tab
2. The user types in his message (up to 140 characters)
3. Through the use of the "@" character, a popup list with available groups appears where the user can select a particular group to which to send a message. This means that user saves time by not having to go to the Group perspective to select a group. The group name is then added to the message - "@[GROUP_NAME]". This sends the message to that particular group.
4. The user clicks the enter button
5. The system sends the message to the groups selected by the user.
6. An overlay appears: "Message sent to the following groups: " + [comma-separated list of groups]
Use case: Show Users for Group

Description:
A user can view the members included in a particular group. If the group is a private group, then just members of that group can view the group members.

Comments:
This functionality is accessible via the Group Administration perspective or the Group perspective.

Preconditions
1. User is logged in
2. A group is selected

Postconditions
1. The group-related activities have been performed successfully

Steps
1. The user selects a group
2. With a right click, a hover menu on the groups appears
3. The navigation item "Show members" is selected.
4. The "Members" perspective is opened.
5. The users are listed along with a picture, user name and other appropriate information (based on UME parameters perhaps). By hovering over the user entry, a list of groups in which the user has membership are displayed. If a group in list is selected, then the group information for this group is viewed. If this group is selected, then the members for this other group are displayed.
6. The user can sort the list either alphabetically, date of entrance to the group and number of messages posted to the group.
7. If the user viewing the list is the group administrator, then the administrator may delete users from the group.
8. Deleted users then receive an email "You have been deleted from the group [GROUP_NAME] by Group administrator [ADMIN NAME]."
Use case: Clear messages

Description:
The user can clear all messages from the Message perspective to concentrate on a new conversation.

Comments:

Preconditions
1. User is logged in
2. At least one group is selected.
3. The "Messages" perspective is visible.

Postconditions
1. The message area is cleared except for selected messages

Steps
1. The user is viewing the "Messages" perspective.
2. [Optional] The user selects messages that he/she doesn't want deleted.
3. The user clicks the "Clear" button and deletes all messages except those that were selected.
Use case: View Tag Cloud

**Description:**
The user can view a tag cloud based on the selected groups

**Comments:**
If the group selection in the Group Perspective is changed and this Tag Cloud Perspective is open, then the tag cloud is refreshed automatically

**Preconditions**
1. User is logged in
2. At least one group is selected.

**Postconditions**
1. User may view and interact with the tag cloud

**Steps**
1. The user selects the "Tag Cloud" link
2. Based on the selected groups, a tag cloud is visible
3. The default tag cloud size is 20 words.
4. By using a slider, the user may select the number of words shown. The slider has a range from 10 to 50.
5. The default search period is one month.
6. By using a slider, the user may select the number of weeks in which the tweets will be considered for analysis.
7. Depending on the origin of the tag cloud, there is a label with a list of the used groups/users from which the tweets originate - "This tag cloud is based on the following users / groups: [GROUP/USER LIST]"
Use case: Delete element from Tag Cloud

Description:
The user can remove a group or user (depending on the tag cloud basis) from a tag cloud to discover the information necessary

Comments:
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Preconditions
1. User is logged in
2. The "Tag Cloud" Perspective is open

Postconditions
1. The tag cloud visible better meets the user's requirements

Steps
1. With a right click on the tag cloud, a hover menu on the groups appears
2. Depending on the origin of the cloud, the navigation item "Remove user" or "Remove group" appears.
3. The user then has the ability to remove one element from the tag cloud source. [Idea - another sub menu?]
4. The tag cloud is then refreshed with the information excluding the removed item.
Use case: Search for Users

Description:
The user can search for users based on certain characteristics

Comments:
• Which search fields will be used is still not clear

Preconditions
1. User is logged in
2. The "Find" Perspective is open

Postconditions
1. The user has found the users he/she desires.

Steps
1. The user selects "Member" in the "Search Type" combobox.
2. The user can enter either the user's name, a tag, or tweet topic.
3. User selects "Search"
4. A tabbed hit list is displayed with user information.
5. The users are listed along with a picture, user name and other appropriate information (based on UME parameters perhaps). By hovering over the user entry, a list of groups in which the user has membership are displayed.
6. If the mouse is over a contact, then those associated contact are displayed.
7. With a right click, a hover menu on the groups appears.
8. The navigation item "Show messages" is selected.
   1. The "Message" perspective is shown
   2. The user's messages are displayed (QUESTION: Should the messages be somehow filtered by group?)
9. The navigation item "Add to Group" is selected.
   1. After a group selection, the user is added to the group [We still have to determine if the user has to accept the request or not. See UC 18 - 1 Use Case Accept request to join a group by User]
10. The navigation item "Detailed Profile Information" is selected.
    1. Additional information (to be determined later) about the user is showed.