Problem Definition:

Create a website for groups to communicate, through group chat, file sharing, and calendar software.

Users:

1. General User

* Basic user of the site

1. Group Admin

* Basic user of the site who has created a group or was assigned admin privileges to a group

Features:

1. **User Features:**

* Access features
  + Sign in
  + Sign up – not implemented
  + Sign out
  + Recover forgotten password – not implemented
* Group Features
  + Create a Group
  + Leave a Group
  + View group members
  + View group name and description
* Group Files
  + Upload group files
  + Download group files
  + View group file list
  + Delete file (any user can delete any group file) – not implemented
* Group Calendar
  + Add group event
  + View all group events
  + Edit group events
  + Delete group events (any user can delete any group event)
* Group Chat
  + Add message to group chat
  + View group chat
* Personal Files
  + Upload private files
  + Download private files
  + View private file list
  + Delete file – not implemented
* Personal Calendar
  + Add personal event
  + View all personal events
  + Edit personal events
  + Delete personal events
* Profile
  + Delete Account – not implemented
  + View profile
  + Edit profile
    - Picture
    - First Name
    - Last Name
    - Email
    - Phone number
* Notifications
  + Chat Notification – not implemented
  + File Notification – not implemented
  + Calendar Notification – not implemented
  + Group Requests (group that are requesting you as a user)

1. **Admin Leader Features:**

* All features of a User
* Add Admin Leaders to a group – not implemented
* Add members to a group – not implemented
* Delete member from a group – not implemented
* Review Requests (Users have requested to join group)

Qualities: We only need the four discussed in class.

* User friendliness
  + This is needed so users are able to use the website without frustration
  + This means the user interface should have an intuitive design and helpful prompt should be given to assist users when needed
* Correctness
  + messages and files need to be correct so there is no confusion in the group
* Robustness
  + Since the system is taking input from the user, no user input should break the system
* Security
  + Since the system will store personal information and passwords this information needs to be secure
  + Also files and other data needs to be secure from other groups using the site
* Reliability
  + Groups will need files to be there at all times.
  + Since its communication oriented it needs to be reliable
* Performance
  + In order to ensure the usability of the software file uploading and downloading must be fast
* Maintenance
  + For fixing bugs and errors and adding new features