- Super Users can:
  - Update Memberships
  - Maintain a list of taboo words
  - unlock locked documents
  - process complaints about ou's
  - have all privileges reserved for ou's inside any group

- Ordinary Users can:
  - Create New documents- They own the documents they create.
  - Invite other ou's to update documents they own.
  - Decide whether the document is:
    * open to the public (can be seen by everyone)
    * restricted (can only be viewed as read-only by gu's and edited by ou's)
    * shared (viewed/ edited by ou's who are invited)
    * private
  - accept/deny invitation(s) placed by other ou's for their specific documents
  - lock a shared document for updating (only one ou can lock a document successfully and system should indicate which ou is updating the document)
  - update a successfully locked document & assign a unique version sequence number & remember who made the update & when the update was made
  - unlock a shared document locked by him/herself
  - file complaints in two ways:
    1. to the owner of a document about another ou's update
    2. to the a SuperUser about the owner of the documents
  - if they own a document, they should deal with complaints filed by other ou's
  - remove ou's who were invited before.
  - unlock locked documents that s/he owns that is being updated by others (unlock documents locked by others as long as you are the owner)
  - search own files based on keyword
  - search information about other ou's based on name and/or interests.
  - have all privileges for gu's

- Guest users can:
  - read open documents
  - retrieve old versions of open documents
  - retrieve complaints about old versions of documents
  - send suggestions to Super Users about taboo words.
  - apply to be an ordinary user, that will be confirmed or rejected by su (in application, name and technical interests are submitted)

- Constraints
  - **only one current version of any document exists as current**
  - for simplicity there is only one word for each line in all documents
  - only the editing commands are saved for older versions with three possible actions
    * add
    * delete
    * update

* **Example: For instance, if the file doc_1.txt contains one line "the", and doc_2.txt contains three lines "welcome \n the \n world \n", then your system only saves doc_2.txt, doc_1.history saves the commands "delete 1; delete 3" which changes doc_2.txt into doc_1.txt. Your system generates the history command file based on the difference.**

– retrieving old versions should be done by system based on current version and sequence of history files.

– words on taboo list (maintained by SU) are replaced by UNK by the system

* users who use words on taboo list are automatically warned **"user update the document next time you log into the system"**

* until update is made by user all other activities are blocked for that user.