Problem Specification

Create a project management application having the modules stated below:

- A. Admin module functionalities
 - Starting and stopping the server.
 - Registering users (updating and setting users to inactive state).
 - Creating a project and eventually assigning the project leader from the registered users.
 - Viewing the list of projects. Filtering must also be applied on the list (on-going and completed).
- B. Project leader module functionalities
 - Viewing of the list of projects assigned to him/her both as leader and as member (filtering the list must be present).
 - o Assigning members of the project assigned to him/her as leader from the list of registered users.
 - o Updating the list of members.
 - Setting the status of the project to *completed* once the project is already done.
 Note: the effect of this would disable the project from the viewpoint of the members.
 - Uploading file/s for modification by the members.
- C. Project member module functionalities
 - Viewing of the list of projects assigned to him/her as member.
 - o Uploading file/s for modification by other members or by the leader.

Other Specifications

- All modules should have a login facility. For users other than the admin, part of the login credentials should be the IP address and port of the server.
- Uploaded files
 - Restricted to the project where the file was uploaded
 - Newly uploaded

Creates a "node" which is named after the filename of the uploaded file.

This node is expandable showing a sub-node showing the details: user who uploaded the file, date and time when the file was uploaded, and a brief description what the file is about.

• Update of a previously uploaded file

Should be placed as a sub-node with the details specified above.

Sub-nodes must be shown with the most current as the first item.

- Chat facility
 - Every project should have a chat facility confined only to the users of the project.
 - Users must be notified of the "unseen" messages when the user has not opened a project.

Notes

- Each group must be comprised of 6 members maximum.
 - The details above are the basic requirements of the project. You are to provide additional functionalities such as (but not limited to): posting of announcements, calendar schedule of tasks, private messaging of users, buzzing of a user, and conferencing (for 3 or more users).
- Rating of the project will be based on the following:
 - Completeness of the basic requirements 50 pts.
 - Provision of additional functionalities 15 pts.
 - Documentation 15 pts.
 - Project description, users' manual, and data design
 - Peer evaluation 20 pts.
- Be creative in designing your user interfaces keeping "user-friendliness" in mind.

What to submit

○ Flash Drive – 3 folders: *Source codes* (and resources), *Archived files* (executable *.rar), and *Documentation* ○ Hard copy of the documentation