ec

1**. Registration. Register a user with**

1.1 netID

1.2 password

1.3 role (give only 3 options viz. student/faculty/staff)

1.4 First name

1.5 last name.

 For students also provide

1.6 year joined the program

1.7 Program: BS/BA/ MS/Ph.D

After successful registration redirect user to login page. If registration was not successful, show an error.

 2. **Homepage will show a menu on top.** On navigating through top menu, the sidebar will display appropriate options. E.g. if Manage Resources is chosen, then sidebar shows options such as : add new resource, reserve resource, cancel reservation etc.

3. **Faculty view courses and create new course**. Faculty can view all the courses currently being offered. This information can preexist in your database. Also faculty can create a new course by providing course no., name. After creation the faculty and students will see this course in the course list.

4. **Faculty posts office hours, TAs and course syllabus for every course listed for them.** A simple text box to provide this info is sufficient. After posting the details they are saved and can be viewed by faculty in future. If faculty wants to edit this info. They will simply re-post it using the text box input.

5. View PhD student status. Faculty should see list of PhD students in the department. After clicking a particular student, faculty sees all the information about the student including status i.e. no. of semester, if he/she is candidate.

6. For the req. 5 to work, there must be some students registered with the system.

7. Staff creates a new resource: only staff can create a new resource with name(unique),type of resource and other information about resource. Please be creative when you choose properties of resources.

8. Faculty/staff/student reserve resources like conf. room and projectors. The database can have the resources already registered. The user goes to the resources page -> selects a resource to reserve -> Selects a date from calendar -> chooses a available time slot from the schedule. After confirming reservation the time slot is reserved with the name of user.

9. User cancels reservation. User go to resources page. He/she views list of resources reserved by him/her. User is presented with option of cancel reservation. After confirming cancellation, the resource will be available for others.

10. Faculty/staff announce job opportunities, events, and news. The faculty/Staff can view announcement page. The page lists previous announcements made by everyone. But only the announcement made by the loggedin faculty are editable and/or allowed to be deleted by him/her. On this page a text box on top lets faculty/staff to enter new announcement which he may want to edit or delete in future. Similar functionality is expected by posting jobs and news. While posting job openings, the faculty/staff must share the link to apply for the job. The link may be email id of correspondent person(for oncampus job) or link to the jobsite listing (for off-campus) jobs.

11. Faculty/staff can create a new discussion topic. Students will be able to participate in discussion but will not be able to create/delete the topic.

 12. Faculty/staff post questions or reply to questions on the discussion board. Faculty/staff can also delete any content he/she finds inappropriate.

13. Faculty/staff view, post, and edit alumni info. The faculty views all existing alumni info on this page. He/she can post new contents or edit all existing content. The students can only view this page, not edit it.

14. Faculty/staff post new exam offering. Faculty/staff create a new exam to offer specifying

14.1 name of exam

14.2 Date of exam

14.3 optional links for topics will be covered, or old exams After creation all users will be able to see this exam information.

15. Faculty views/posts result of departmental exams.

Post : Faculty is presented with page which has textbox for name of exam. (e.g. discrete math exam Spring 2016) and a textbox to post the result (e.g. Student exam id : 1, result : pass etc.).

The faculty/staff may be able to edit/delete this content later.

View : The results will be available to view to every user registered in the dept. website but only the owner of the content can edit/delete it. The page to manage results presents faculty/staff with the list of all the results created by peers.

16. User logs out. This redirects the user back to login page.

17. Apart from all the above functionalities, it is needed to have menu.jsp/header.jsp and footer.jsp to be included in all other jsps.

18. Junit test cases : Include Junit tests cases for functionalities.