1 Client Requirements Summary

The following is a summary of my interpretation of the Client Session that took place on Tuesday, 16 February. Please feel free to add your own interpretations to it, lecturers included.

Context: The client requires the implementation of a system which will allow researchers to keep track of their publications.

- There will be 4 main user roles:

    - User
    - Research Leader
    - Head of Department
    - Administrator

    Only staff members can be users.

- Additionally, **admin login** should be supported, with the ability to add or remove users. The Head of Department is an admin by default.

- The system must support a maximum of **100 users**, and cater to the users concurrently.

- Each publication will have at least one author. Authors do not necessarily have to be users, as long as one author is a staff member.

- With regard to users:

    - Authors who are not Users do not have access to the system
    - They can add a paper, as long as they are one of the authors
    - They can only view papers they authored or co-authored
    - All authors, if they are users, should be able to edit the metadata of their own publication
    - Authors are sequenced. *ie* First author, Second author etc.
    - The Head of Department can see all papers
    - A Research Leader can see all papers in his or her research group
    - A user must explicitly assign themselves as an author when creating an entry (*eg* by means of a checkbox which is ticked by default)

- Users must have a profile page/record which is personal to them which includes information such as name, title, contact number, email address, institution, position (optional) and a comment block. This page may include users publications and the number of units they have earned.

- Any user can see any other user's profile, however the page they see may not include the publications of the user or the number of units that the user has earned.

- No photos should be used for profile pages

- With regard to papers:

  - Papers themselves are not on the system, only metadata/links to the papers

  - Therefore, no concurrent editing of the actual papers is necessary

  - Changes can be made but papers can not be deleted once started

  - Metadata for the papers includes title, author(s), deadlines/dates, progress, stages (waiting, accepted, rejected, terminated), intended venue (conference, journal) etc.

  - It must be possible to switch back and forth between paper progress-states at will

  - The intended venue should be linked to the "units" that the venue is worth. The units provided to the author(s) is calculated by taking the units for a specific venue, divided by the number of authors

  - Papers will be ordered by author

  - A publication can belong to multiple research groups

  - Author names could be used to populate a, searchable, list to make the selection of authors easier

- The system should cater only for the COS department. However, catering for numerous departments can be considered when looking at the architectural design.

- All activity (such as additions of users, edits etc.) should be **logged**.

- The system requires both a web interface and an Android application.

- Valuable statistics should be presented graphically via graphs and charts. For example, a progress graph showing the number of units an author has earned.

- The system should provide email reminders to authors when deadlines are approaching