

Client Requirement Notes

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1 Introduction

This project is a Research Support System. Its main purpose is to keep track of many aspects that are regularly needed by researchers and a easy way for research heads or HOD of the respective facility to be able to see progress that has been made by the researchers in their team.

Scope for this project is only the Computer Science department and its respective lecturers and leaders. General uses of this system should include keeping track of:

- Research Papers
- Reports, of which has different types
- Research Groups
- Running Costs
- Historical publications
- List of Authors
- List of Users
- Units

On a side note, it was mentioned to use a software called MagicDraw to draw our diagrams for planning.

2 Users

- Users can only be users if they belong to the department, and no more than 100 can be expected.
- Temporary positions are allowed (this includes postgrad students).
- All users must be able to log on and work concurrently, however conflicts of changes made to publications should be handled in natural order.
- For every paper entered into the system, at least one staff Representative should be added.

- Cannot add paper without any authors.
- Authors do not necessarily have to be users(such as students, other university lecturers), but a user has to be a author if they have put a publication into the system unless done so by a higher power in the hierarchy(such as HOD, research leader)
- Authors are added in sequence, e.g. 1st Author, 2nd Author, 3rd Author ...

2.1 Hierarchy

- **HOD** - At the top of the hierarchy and has admin rights. HOD can see everything and possibly can make changes or add publications on behalf of lower users. Can also add users to the system. Although the HOD has admin rights, it should be noted that there should still be a superuser account which has maximum privileges.
- **Research Leader** - In charge of the research groups and thus can view only publications relevant to their specific research group. Can also view and edit users. Does not have admin rights
- **User** - Can only edit own profile information related to the user themselves. Can not see other users publications or add publications on behalf of other users. Can add authors to own publications. Users can only be faculty members of the Computer Science department.

2.2 Authors

- Have no rights whatsoever in the system and can not access it if they are not a user.
- Authors can include students, lecturers from other faculties, lecturers from other universities, outside expertise
- Authors should have some metadata attached to them. This includes their full name, where they are from, qualifications, etc
- A user should be able to add authors and specify if someone is a author

- Authors previously entered should not have to be entered again, instead be shown as an option.
- Users should see a list of all authors/users, maybe a mini profile of each with restricted information

3 Publications

- One publication could belong to many research groups, but must belong to at least one.
- No physical links must be made, only links to relevant places.
- Metadata - includes list of authors, type(conference, journal,...),venue(optional), units(given to each user when submitted), reasons for termination of publication(should be revivable), deadlines, how many times this paper has been rejected.

4 Structure

- Both Android and Website must be able to be used interchangeably. Website should have a mobile component.
- Database system is to the programmers discretion
- Reminders for deadlines should be in place for all users of specific publication. This is done through email.
- No external program linking, such as Google Calender, will be needed