**Project ideas - Requirements Specification**

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# Introduction

## Aim

The aim of this project is to develop a new MVC style system for MSc Project Ideas which provides a searching function and ability to edit and withdraw an idea by the idea owner and admin.

## Key personnel

Responsible owner - Jim Briggs

Design authority - Jahidul Islam

Development team – Jahidul Islam

## Future proofing

To future proof the software the code documented and commented will be open sourced on GitHub to be maintainable, alterable and extendable. The code will also be written using the Model View Controller (MVC) design structure.

## Rationale for development

“The School of Computing's MSc project ideas database is currently implemented in a non-MVC style. It also has limited searching functionality. It does not permit people who submit ideas to be able to edit them or withdraw them.

The requirement is to implement better searching and user editing of ideas. Only the owner of an idea (the person who created it) or a designated administrator can edit or withdraw an idea.”

Taken from http://briggs.myweb.port.ac.uk/WEBP/ENTWA/2016-2017/cwk.htm

The idea to develop was due to the issues mentioned above of the current system.

## Timetable

Friday 3rd February – Draft of requirements

Friday 17th February – Draft of user interface

Friday 10th March – Alpha version of the system

Monday 27th March – Final Complete System & Final Report

Friday 31st March – Peer Review

# Requirements

Requirements with a high priority will be in completed first for the Alpha Version whilst those with a Medium priority will be in final version of the app.

| NO | Description | PRIORITY | Status |
| --- | --- | --- | --- |
| 1 | A admin user can create a new user | High |  |
| 2 | All users can register as an organisation user | High |  |
| 3 | A admin user can approve an organisation user | High |  |
| 4 | A admin user can change role of a user to not-approved, student, administrator, organisation | High |  |
| 5 | All users can log in | High |  |
| 6 | A admin user or the user can edit details of a user | Medium |  |
| 7 | A admin user can delete a user | Medium |  |
| 8 | All users can view an organisation’s details | High |  |
| 9 | All users can view a student user’s details | High |  |
| 10 | All logged in users can create a new project idea | High |  |
| 11 | All users can view a project idea | High |  |
| 12 | A admin user or the creator can edit a project idea | Medium |  |
| 13 | A admin user or the creator can delete a project idea | Medium |  |
| 14 | A admin user can change the status of a project idea | High |  |
| 15 | A student user can select a project idea | High |  |
| 16 | All users can view all approved but unallocated project ideas | High |  |
| 17 | All users can view all provisional project ideas | High |  |
| 18 | All users can view all project ideas by an organisation | Medium |  |
| 19 | All users can view all project ideas by an student | Medium |  |
| 20 | All users can search project ideas using Ajax | Medium |  |
| 21 | All users can search organisations using Ajax | Medium |  |

# Document control

## Document Maintenance

Any changes must be detailed in the following table of document history.

## History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Changer | Changes |
| v1 | 2/2/17 | Jahidul Islam | First draft |