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| CS3305 Project team 12 |
| Scheduling Software Outline Requirements |
| Eliciting basic user requirements from original outline document |
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| The original project outline document (provided at: http://thing.ucc.ie/cs3305/exercise/Default.htm) is too verbose to act as a source of basic user requirements. A list of user requirements as interpreted from the outline is required. |

1. A web-based system to facilitate the scheduling and organisation of meetings is to be designed and implemented.
2. The system should be built specifically for use in organising meetings within an academic institutional environment.
3. The system should be sufficiently generic and configurable that it can be deployed in any such institution.
4. The system should represent several entities appropriately
   1. Individual students
   2. Individual staff members
   3. Groups containing students or staff
   4. Administrators
5. The kinds of meetings that the system should support scheduling options for are
   1. One-to-one meetings (e.g. student and mentor)
   2. Group meetings (e.g. project group discussion)
   3. One-to-many meetings (e.g. tutorials)
6. A database containing planned and unplanned timetables for staff, students and groups must be developed and populated.
   1. A planned timetable is one which is agreed on for a specific length of time (e.g. B.Sc. 3 CS for semester 2)
   2. An unplanned timetable is usually specific to an individual (e.g. Fred has an appointment with his doctor Feb 7th)
7. An algorithm, which uses the database to produce solutions to requests for meeting times, must be sourced. A solution would ideally be a set of dates/times at which all attendees have available according to their timetables.
8. A User Interface must be developed to make it as easy as possible for a user to perform
   1. Data acquisition
   2. Management (e.g. of timetables, of invitations to meetings)
   3. Solution development
9. The UI should provide context sensitive help to the user during his/her interaction. E.g. If a user provides incorrect input, the error must be explained and an explanation of what type of input to provide offered.
10. The system should allow individual staff and students access to their timetable information.
11. The system should allow individual staff and students to alter their own timetables.
12. The system should allow admin users to enter “master” (planned) timetables for student groups.
13. The system should allow a user to select a group or a set of individuals with whom a meeting is desired. This should lead to the computation and displaying of appropriate possibilities.
14. The user may select a meeting time generated by the system as a preliminary meeting date.
15. Those involved in the meeting must be notified reliably of the preliminary meeting.
16. If a meeting is finalised, the database should be updated with the required changes.
17. Steps should be taken to implement access control such that users have access only to the timetables they need and can see only the information necessary to make a decision.
18. Individuals must have the freedom to make their information available to who they wish.
19. All configuration settings (for deployment) should be accessible via a web-based GUI.
20. All configuration settings should be stored in an appropriate format (e.g. XML).
21. Provision must be made for regular back-ups of the database.
22. Bug tracking will have to be enabled for the completed system.