

Model Driven Software Engineering

MAPi

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The goal of the project is to develop a timetable/lecture summaries management system.

The system should support:

- the timetables management team — both in defining the timetables (it should be noted that previous years' timetables are, in many cases, used as the basis for new ones), and in generating relevant maps (for lecturers, class room doors, etc.);
- lecturers — providing them with their personal timetables, and allowing them to fill in classes' summaries;
- students — providing them with their personal timetables and allowing access to class summaries.

Timetables associate the different lessons of a course to teachers, times and rooms. Note that timetables for different purposes might have different information contents. For example, students might be interested in knowing about the lecturers of each course, while lecturers will probably not need that information on their timetables.

Different types of lectures exist, with different requirements regarding the type of room/laboratory. In certain cases students must take practical and laboratorial sessions in turns. Each student in the course must be enrolled in a turn. The system should perform management of such practical/laboratorial turns.

Your project encompasses the design and implementation of the above system. Requirements analysis must be carried out using the course lecturers as clients. You are encouraged to explore (at least during the design stages) how the use of ubiquitous computing might improve the project. For example, the use of public displays and hand-held devices.