**Graph Theory 2017**

# Design

The basis of my initial design is a prototype using the Software Development course including the 4 years using 10 lecturers as a sample along with their subjects. Then constructing the database. The initial node will be software the course under which I will map the 4 years for this course. I will then relate the nodes of subjects onto the years. The nodes for lecturers will will relate to the subject they teach. Group nodes will relate to the subject under which they fall. The room node will relate to the group/subject depending on whether it is a lab ­­for a group or lecture for year. Days of the week will be their own individual nodes and relate under time slots.

# Sources

http://timetable.gmit.ie

<https://learnonline.gmit.ie>

Data used in the database is sourced from checking the elements in the developer console and taking info that I could use as data. Through learnonline I was able to source some lecturers and there subjects and on timetable things such as room no. were obtained aswell as times days etc.