

# Student Registration

## **Student:**

Students have unique ID (system need to make sure)

Students have department (like CS, EE, Math and etc)

Student name and surname

Students have address

Students have tuition status: home, EU or international

Students enrol to modules (you can represent modules as classes or just as a course code like ECS511P)

UG and MSc students can enrol modules

System must know the year of study for students

## **Mode of study:**

UG student

Fee home/EU £9000, int £18000

Number of modules 4 a semester

3 years of study

MSc student

Fee £10000, int £20000

Number of modules 3 a semester

PhD student

Fee £12000, int £24000

No limit for modules

4 years of study

## **System Functionality:**

1. Find student by student ID
2. Search student by multiple attributes (name, last name, department and etc)
3. Get details of students: Display all details including current modules, fee, mode of study, the system should inform/display if the student paid less than the yearly fee.
4. Enrol student to a module.
5. Add Student
6. Remove student
7. Save students and modules on exit
8. Read from file on execution (students and modules if module is implemented as a class)
9. BONUS: Implement modules as separate classes. Each module should know which students are enrolled and keep basic details of the module.
10. BONUS: Display all students enrolled to a given module with the details of that module.