8. Class Model:

The super users of the system presented in the professors should be able to register new students, add new courses to the faculty, add/drop or withdraw courses for the currently registered students and register new professors ,in addition to that the system should be able to calculate the payment of the students and the professors salaries, each student could add and drop courses based on his GPA with maximum number of 20 credit hours ;as all the courses have a fixed number of 3, credit hours, while the professor could teach courses with maximum of 3 courses per semester.

The system should be able to reserve an empty classroom whenever a superuser needs one, based on the reserved time slots of each classroom where each time slot is fixed to 3 hours and the user could only reserve a hall from the beginning of each slot and the classroom is marked as a reserved one until the end of its 3 hours slot.

**Nouns' extraction:**

* The nouns that can be identified are:

Classroom, student, professor, course, credit hour, payment,

Salary, GPA, system, faculty, superuser, slots.

* Nouns that lies outside the problem boundaries:

System, slots, credit hour, GPA, faculty, superuser, payment,

Salary.

* Abstract nouns that represent ideas (classes' candidates):

Classroom, student, professor, course.