appointment with the instructor, student evaluations, etc. <u>Develop a software system to track of the performance of each student in all the classes that the student take during his entire degree, you must include cases such probation, dismissal, and quitting the system's database</u> *(Hint: Model the underline question).*

(2) A local real estate company sells single home and commercial properties owned by owners (sellers). These properties are showed by the company's real estate agents and viewed by potential buyers on specific date where buyers may provide comments. If any of the buyers likes the property, he or she submits an offer on the property. If the offer is accepted by the seller, the set up date and time for closing where the title of the property will transfer under the name of the buyer and the seller will get paid. <u>Develop a software system to keep track of all properties sold daily, weekly, monthly, yearly, and the last 25 years and track the performance of each of the staff based on the number of sales, customer satisfaction, and commission.</u> *(Hint: Model the underline questions).*

Part 1: (10 Points) Document one of the Use Cases in Your Problem – You must have at least two actors or one actor and two roles:

1) Use Case ID : 1
 Use Case Title : Track student performance
 Actors & Corresponding Roles :

Actors | Roles
Person | Instructor
 | Student

Performance Track System

Person
  Student
  Instructor

Attributes
  name
  email
  student ID
  is

course
  grade
  student ID

Performance

Functions
  walk( )
  talk( )
  study( )
  read( )
  track Performance track( )

obtain student ID
  ...
  exit Performance
  take Student ID