Objective:
To learn and understand the basic concepts of Use Case Modeling

Instructions:

Please read the following instructions carefully before solving & submitting assignment:
Assignment should be in your own wordings not copied from net, handouts or books.
It should be clear that your assignment will not get any credit (zero marks) if:

- The assignment is submitted after due date.
- The submitted assignment does not open or file corrupt.
- The assignment is copied (from other student or copy from handouts or internet).

For any query about the assignment, please communicate at CS504@vu.edu.pk

Suppose you are working as Requirement Engineer in a renowned software house ABC. You have been given a task to model requirements for a software project of a web based application for client XYZ.

Scenario:
Online examination is a web portal to establish a network between the students and institute. The system provides a platform for online exam conduction. The examiner visits web site and update question bank which will display as a test to eligible students. Examiners lock or update questions when required. Students attempt exams and portal automatically captures students answers, calculate their score and saves. The administration access the results to determine the pass ratio or to check the performance of the student in particular subject. The Admin of web portal will monitor all the activities and authorize login for both students and examiner with different set of rights. The students are able to get registered, attempt the paper, see the announcements and view their results.

You are required:

1. **Develop a Use case Diagram for the system discussed above.   (10 Marks)**

2. **Answer the following according to discussed scenario.   (10 Marks)**

   I.   Name of different Actors.
   II.   Alternatives path. (For Registration and Score Calculation)
   III. Exceptions (For registration process)

HINT: The importance of this task lies on the syntax and semantics of the UML use case diagram. Your diagram should contain examples of <<includes>> and <<extends>> relations.

Note:

- ✓ *Assignment should be in your own wordings not copied from other students, internet, handouts or books.*
- ✓ *Your answer should be "to the point".*
- ✓ *Submit your assignment as Microsoft word document (for diagram you can use UML diagrammer).*
- ✓ *Paste your Use case diagram in MS word file and submit via LMS.*
- ✓ *This is a graded assignment.*

Wish you very best of Luck!