ASSIGNMENT # 7

* **1.** Make a simple activity diagram to enroll one course at the college.
* Example for the activities: A student sends a request to enroll course at college and the student fills the admission/request form
* **2**. Analyze the last *activity diagram* and explain it in between 15 and 20 lines.
* **3.** Make a simple *Use Case Diagram,* following the example in the slide # 8 *Restaurant:*
* Student – Course
* Examples to include in the diagram: Time classes, assignments, exams, etc.
* **4.** Make a simple *Use Case Diagram,* following the example in the slide # 9 *Bank* *ATM:*
* Teacher / Administration – Student
* Examples to include in the diagram: Send a mail to the student, receive the response from the teacher, etc., receive a bill to pay from administration, receive information about the course from administration, send a mail from administration, etc.
* **5.** Make a simple *Sequence Diagram,* following the first example in the slide # 2 *ATM:*
* Omnivox:
* **6.** Make a simple *Sequence Diagram* with thefollowing information:
* Student / MIO / Teacher:
* **7**. Explain using your own words each one of the seven *Dynamic / Behavioral* UML diagrams. (Please don’t copy and paste). You can make a table.
* **8.** Make a simple *Class Notation,* following the example in the slides # 5 and 6 *Student & Bank Account:*
* Library: (Search a book in the library). This information is for any book in the library.
* Examples to include in the diagram: Attributes: Author, Book Name,
* Main topic, Number of pages, etc.
* Operations: Available / Not Available, Deposit for the Loan / Free Loan
* Internal Use / External Use, etc.
* Responsibilities: Maximum Loan Time, Extra Payment for Extra Use, etc.
* **9.** Make an *Object Notation*:
* Library.
* **10**. Make a simple *Association Notation,* following the example in the slide # 17 *employee* / *account:*
* Student / College
* **11**. Multiplicity:
* A) Student / college
* B) Employee / Account