ASSIGNMENT # 6

* **1.** On **Omnivox** in the section *Documents* you will find a document called ***Types of Software Testing,*** make the reading and:

👽 On a template or through a mind map explain in **your own words** each one of the 13 types of software testing.

* **2. Using your own words** explain the difference between *Testing Techniques* & *Types of Test*. (3 lines)
* **3.** After checking the first slides and **using your own words** explain what *Unified Modeling Language* is*.* (3 lines)(Please **don’t** copy & paste)
* **4.** Go to *Omnivox.* In the section *Documents* you will find a document called ***The UML in the Age of Agile***. Make the reading and answer the following questions *using your own words*:
* A) Why despite having the agile method is UML still important? (3 or 4 lines)
* B) Explain each one of the 4 *Benefits of the UML* using your own words. (2 or 3 lines)
* C) What is *UML 2.5*? Explain it using your own words. (4 lines)
* D) How does UML 2.5 work in *Structure Diagrams* and *Behavior Diagrams*? Make a comparative table with 4 differences between them.
* **5**. Class Diagram Exercise: Following the last two examples given in the slides:
* *Person: Student / Lecturer* and *BankAccount: CheckingAccount / SavingsAccount*
* A)**Make a simple** *Class Diagram* with the following information:
* *College: Student / Teacher*
* B) **Make a simple** *Class Diagram* with the following information:
* *Online Shopping: Customer /Order*
* C) With the *Types of UML diagrams* **complete** the next simple **Class Diagram**. (Put the information inside the diagram).
* **Types of UML** :
* Structural Diagrams: Class Diagram, Object Diagram, Component Diagram, Composite Structure Diagram, Deployment Diagram, Package Diagram.
* Dynamic Diagrams: Activity Diagram, Use Case Diagram, Interaction Overview Diagram, Timing Diagram, State Machine Diagram, Communication Diagram, Sequence Diagram.
* **6. Make a simple** *Object Diagram*
* A) *College: Student / Teacher*
* B) *Online Shopping: Customer /Order*
* **7.** Make a simple *Component Diagram* with the following information:
* A) *College: Student / Teacher*
* B) *Banking Account: Saving Account / Checking Account*
* **8.** Explain using your own words each one of the six *Static / Structural* UML diagrams. (Please don’t copy and paste). You can make a table.