

Systems Development: Object Oriented Analysis and Design

(H172 35)

Preparing for Outcome 1

Topics for revision

You will be required to :

* Describe the construction and unique purpose of each of the UML diagrams

(e.g. for a class diagram; how a class is represented and the relationships / interactions between classes)

* Where these diagrams ‘fit into’ the OOSDLC
* List the static UML diagrams
* List the dynamic UML diagrams
* Appreciate another term for ‘Access Modifier’ is ‘Visibility Modifier’ i.e. private, public, protected
* Define the ‘four pillars’ of Object Orientation
  + Abstraction
  + Polymorphism
  + Inheritance (ref. the terms ‘generalisation’ and ‘extension’)
  + Encapsulation (Information Hiding / Data Hiding)
* Define coupling

(appreciate it’s connection with the 4 pillars, code reusability and maintainability)

* Define cohesion

(appreciate it’s connection with the 4 pillars, code reusability and maintainability)