**ER, Class + Activity Diagrams Advice**

**Database ER Diagram**

(**note** – you do **not** need to submit any normalisation)

Orders

Ordrlines

Staff

Products

Customers

Payment

Bank?

Paypal?

Stripe?

* **Minimum of 6 Entities**
* Each Entity should have the following:
  + Entity Name
  + Attribute Names
  + Data Types + Sizes
  + Primary Keys Identified
  + Foreign Keys Identified
  + Cardinality – One to Many - Identified

Use ER Diagram Assessment you created in Relational Database unit as a guide.

(You can also use lesson notes + examples from that unit via Google Classrooms)

**Detailed Class Diagram**

(**note** – you do **not** need to submit a separate Initial Class diagram)

* **Attributes**
  + Attribute Names
  + Data Types
  + Visibility (Private)
* **Class Relationships**
  + Appropriate Examples of:
    - Inheritance
    - Association
    - Aggregation
    - Composition
    - Multiplicity (at least 3 examples)
* **Methods / Operations**
  + Functions:
    - Visibility (Public)
    - Getters and Setters
    - CRUD DB Functions
    - Any Relevant Methods for your Project

Use **Initial +** **Detailed Class Diagram Assessment** + **ZooShop (Initial Class) Example** in OOAD unit as a guide.

(You can also use lesson notes + examples from that unit via Google Classrooms)

**Activity Diagram**

* **Based on Make an Order Use Case**
* Should have the following:
  + Swim Lanes for three different aspects of the process
    - Customer
    - System
    - One Third Party Payment System
    - -(take the payment system from the assessment)
* The following should be included (as a minimum):
  + Logging in
    - Registering New Account flow
    - Wrong password flow
    - Reset password flow and/or locking account flow
  + Viewing Products
  + Adding multiple products to Basket
  + Total being calculated
  + Payment being made

Use **Activity Diagram Assessment** + **ZooShop Example** in OOAD unit as a guide.

(You can also use lesson notes + examples from that unit via Google Classrooms)