BSCS-III Year **ASE**LAB ACTIVITY

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LAB: Sequence Diagram

Consider the following Use Case Description. This relates to the scenario of a customer placing an order with an online CD marketing company. Draw a Unified Modeling Language (UML) Sequence Diagram, showing the normal flow of events only.

Use Case Name: Place Order ID: 3 Importance Level: High **Primary Actor**: Customer Use Case Type: Detail, Essential

Stakeholders and Interests: Customer - wants to search website to purchase CD. Marketing Manager - wants to maximise customer satisfaction.

Brief Description: This use case describes how customers can search the website and place orders.

Trigger: Customer visits website and places order

Type: External Relationships:

Association: Customer

Include: Checkout, Maintain Order

Extend:

Generalization:

Normal Flow of Events:

- 1. The Customer submits a search request to the system.
- 2. The system provides the customer with a list of recommended CDs.
- 3. The Customer chooses one of the CDs to find out additional information..
- 4. The System provided the Customer with basic information and reviews on the CD.
- 5. The Customer calls the Maintain Order use case.
- 6. The Customer iterates over steps 3 through 5 until finished shopping.
- 7. The Customer executes the checkout use case.
- 8. The Customer leaves the website.

Subflows:

Alternate/exceptional flows:

- 3a-1. The Customer submits a new search request to the system.
- 3a-2. The Customer iterates over steps 2 through 3 until satisfied with search results or gives up.
- 7a. The Customer aborts the order.

Hint: The objects needed to describe this scenario are instances of the Search Request, CD List, CD, Marketing Information, Customer, Review, Artist Information, Sample Clip, Shopping Cart/Basket and Order classes.