

**DIGITAL ASSIGNMENT I**

**ITA 5005 – OBJECT ORIENTED SOFTWARE ENGINEERING**

**SUBMISSION DEADLINE : NOVEMBER 2 2022**

1. Consider the following online shopping portal.

A customer visits online shopping portal. A customer may buy item or just visit the page and logout. The customer can select a segment, then a category and brand to get different products in the desired brand.The customer can select product for purchasing. The process can be repeated for more items. Once the customer finishes selecting the product/s, the cart can be viewed. If the customer wants to edit the final cart it can be done here. For final payment the customer has to register with the site, else the customer must use the login page to proceed. Final cart is submitted for payment and card details and address details are to be confirmed with customer. Customer is confirmed with the shipment id and delivery of goods within 15 days. Draw a detailed class diagram for the above case study.

2. Compare and contrast Waterfall model, Iterative model, Incremental model, Spiral model, RAD model, Agile model, & Prototype model with specified parameters like:- Planning, Handling of large projects, Documentation, Cost/Budget, Flexibility to change, User involvement, Maintenance, Duration, Risk analysis, Testing, Team size, Reusability.