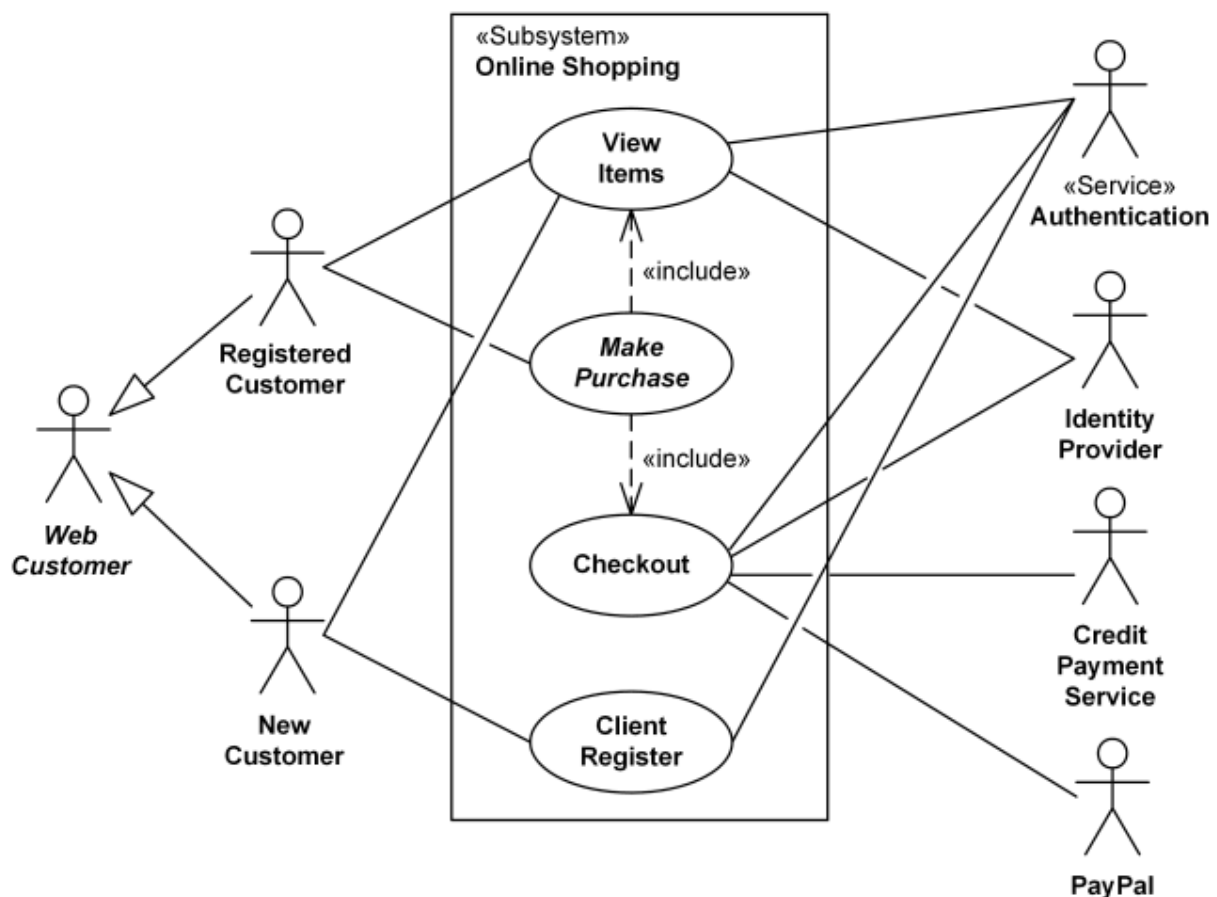# Knowledge Check

Case Study – Low Level Design

Subject Code and Title	SEP401 Software Engineering Principles
Summative or Formative	Formative (not assessable)
Module Number	Module 8

Given the use case diagram and component diagram, develop the class diagram for the given case study:

Web Customer uses some web site to make purchases online. Top-level use cases are **View Items**, **Make Purchase** and **Client Register**. View Items use case could be used by customer as top-level use case if customer only wants to find and see some products. This use case could also be used as a part of Make Purchase use case. Client Register use case allows customer to register on the web site, for example to get some coupons or be invited to private sales. Note, that **Checkout** use case is included use case not available by itself - checkout is part of making purchase.

The diagram shows "white-box" view of the internal structure of three related **subsystems** - WebStore, Warehouses, and Accounting. In UML **«Subsystem»** is a standard component stereotype for larger **components**, usually containing some smaller components.

© uml-diagrams.org