IDB-BISEW
(IT Scholarship Project)

PROJECT

UML Diagrams
For
Online Shopping System

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Introduction

In context to this Online Shopping System, in current scenario major population is opting online shopping. With the increase number of e commerce customers, Online Shopping site always tries to adopt new technologies and others. In addition to implementation of online shopping cart system of shopping several technologies are used. Online Shop is one of the best known shopping cart for their services and diversified product list.

Analysis Of Online Shopping Cart System

online shopping cart system of various web sites help their customers to store their all needs or favorite under this section. If any customer of Online Shop is searching for product and he or she like one from the list shown. The help of online cart system user can store his or her product in separate list. The purchase process of that product can be done later or at that time also. It also helps users to save their favorite products at one place. The main objective behind implementation of this system is increasing the number of consumers and decreasing the operation cost. Some of the major technology used in this system are, proper database, coding of webpage and others.

Brief Case Study of Online Shopping Cart System

Web user uses some web site to make purchases online Shopping. Each customer could have some web user profile or identity. Web user could be in one of several states and could be linked to a shopping cart. On the other hand Online Shop Authority manage the whole online shopping systems. Customer may search or browse items, View Items, Make Purchase, add or remove items from shopping cart, Client Register and do checkout by Online Shopping Site.

Summary

The online shopping cart system of Online Shopping is implemented for making their users comfortable regarding online shopping. It helps their users to store huge number of product list in separate part of their profile.
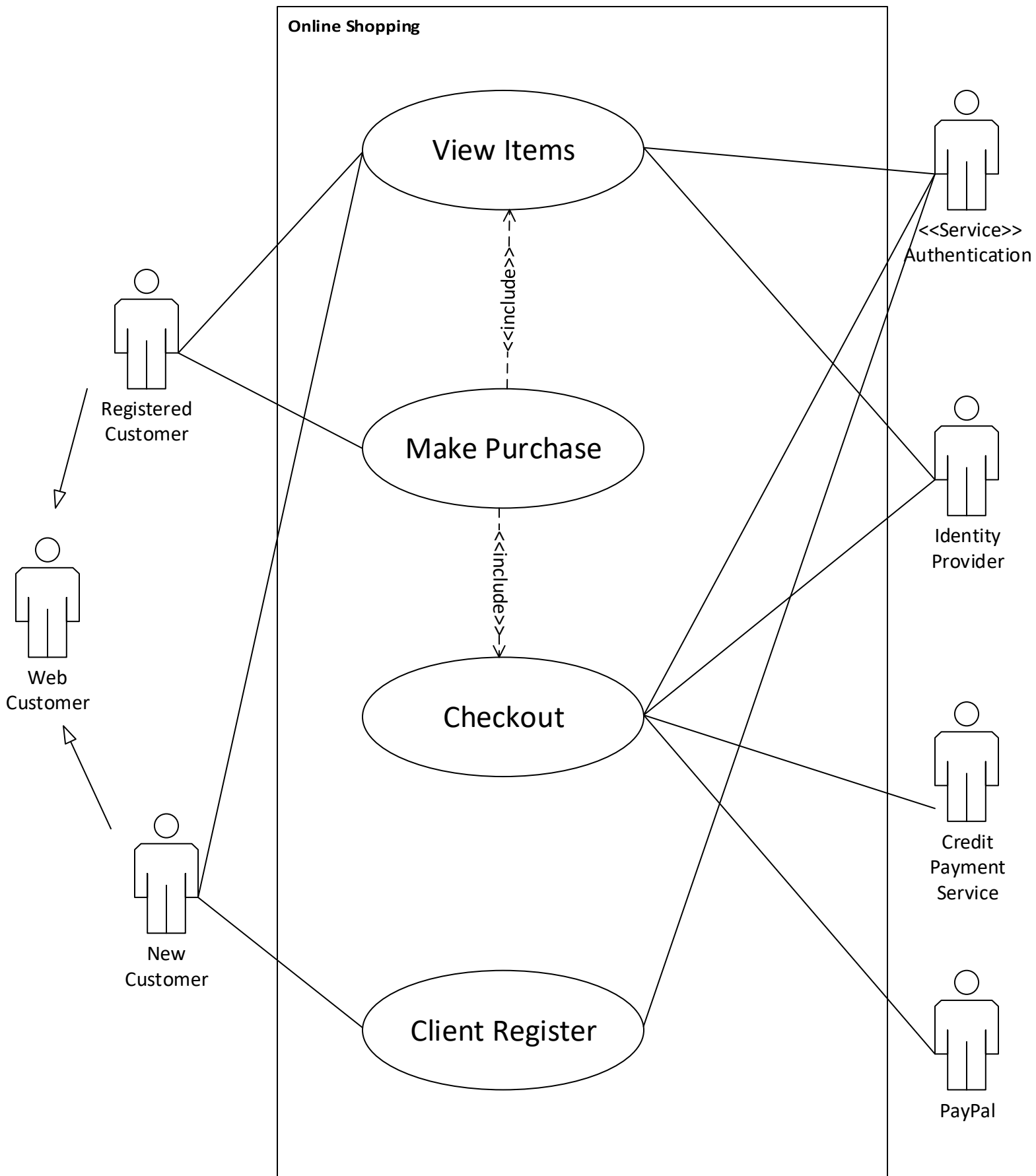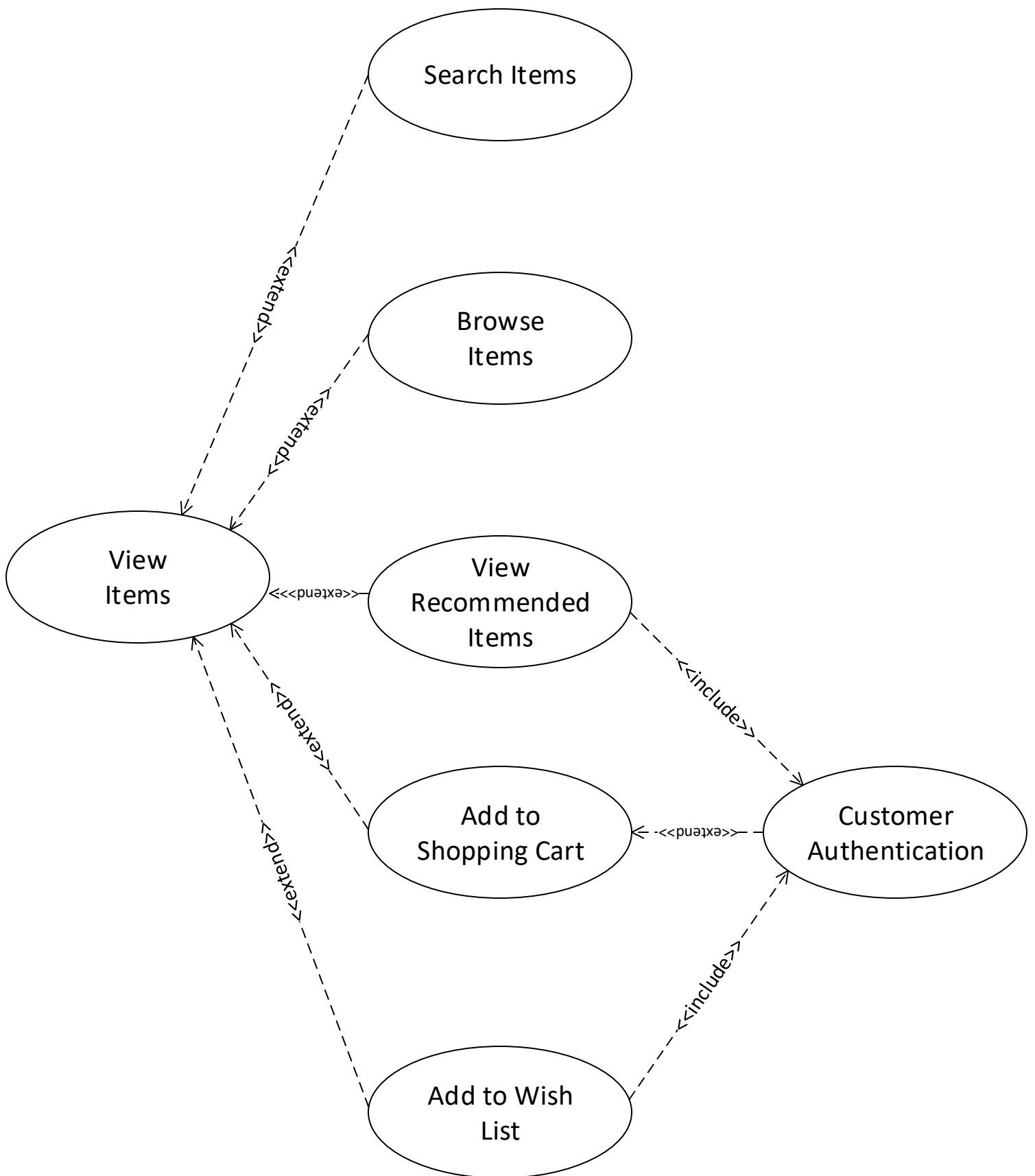
Figure 1.1   Use Case Online Shopping System Diagram
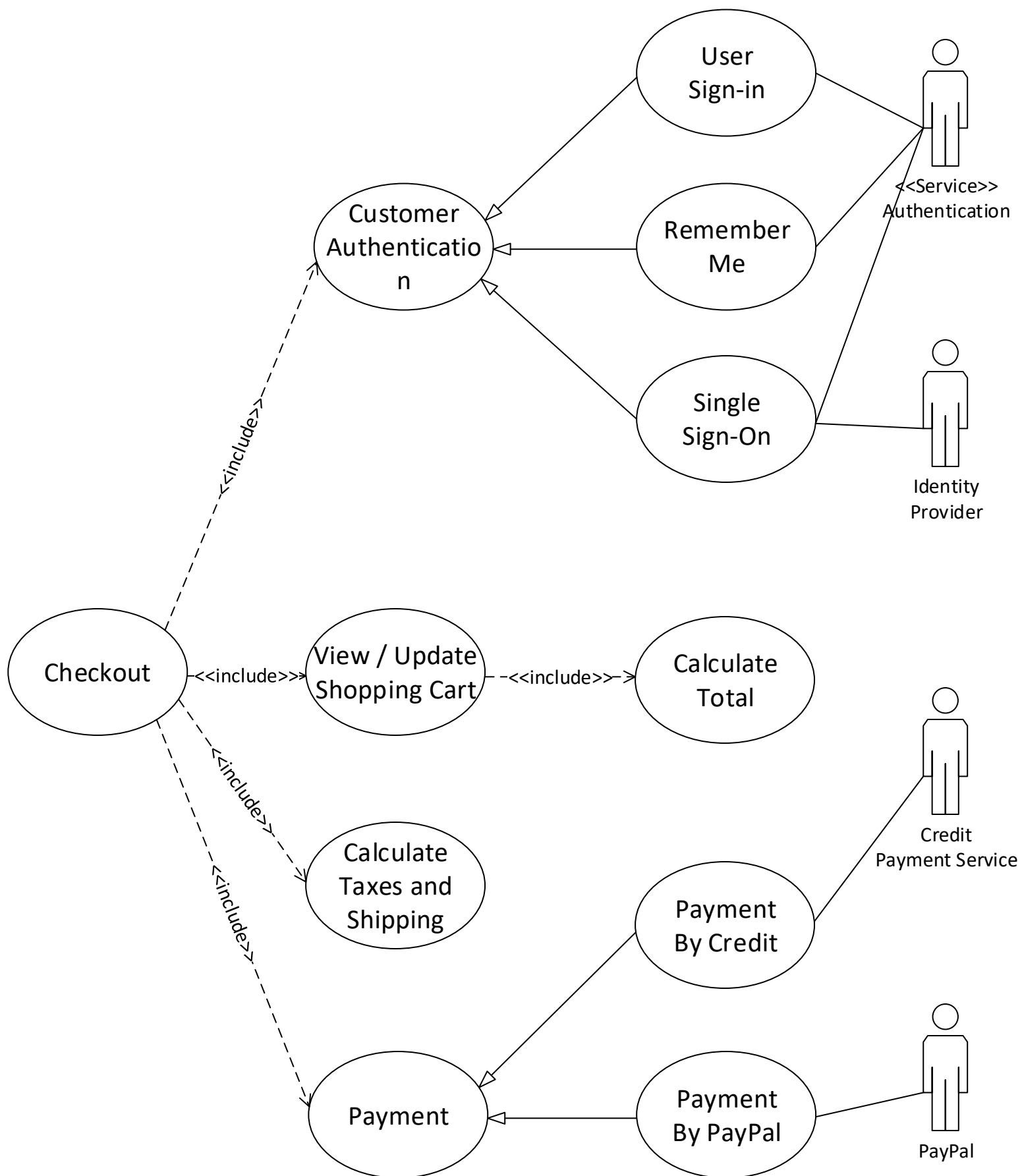
Figure 1.2   Use Case View Items Diagram

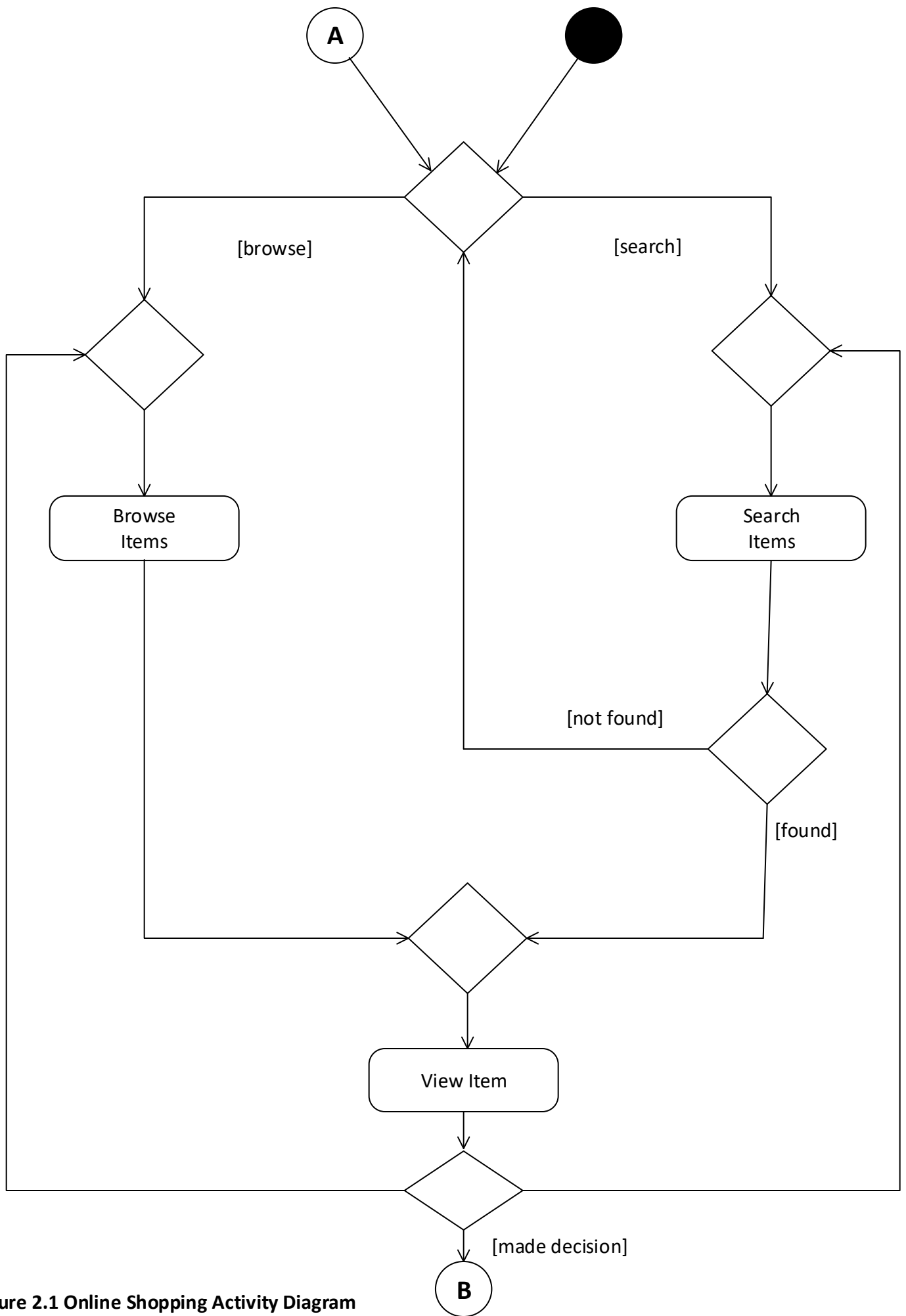**Figure 1.3 Checkout, Authentication and Payment Use Case Diagram**
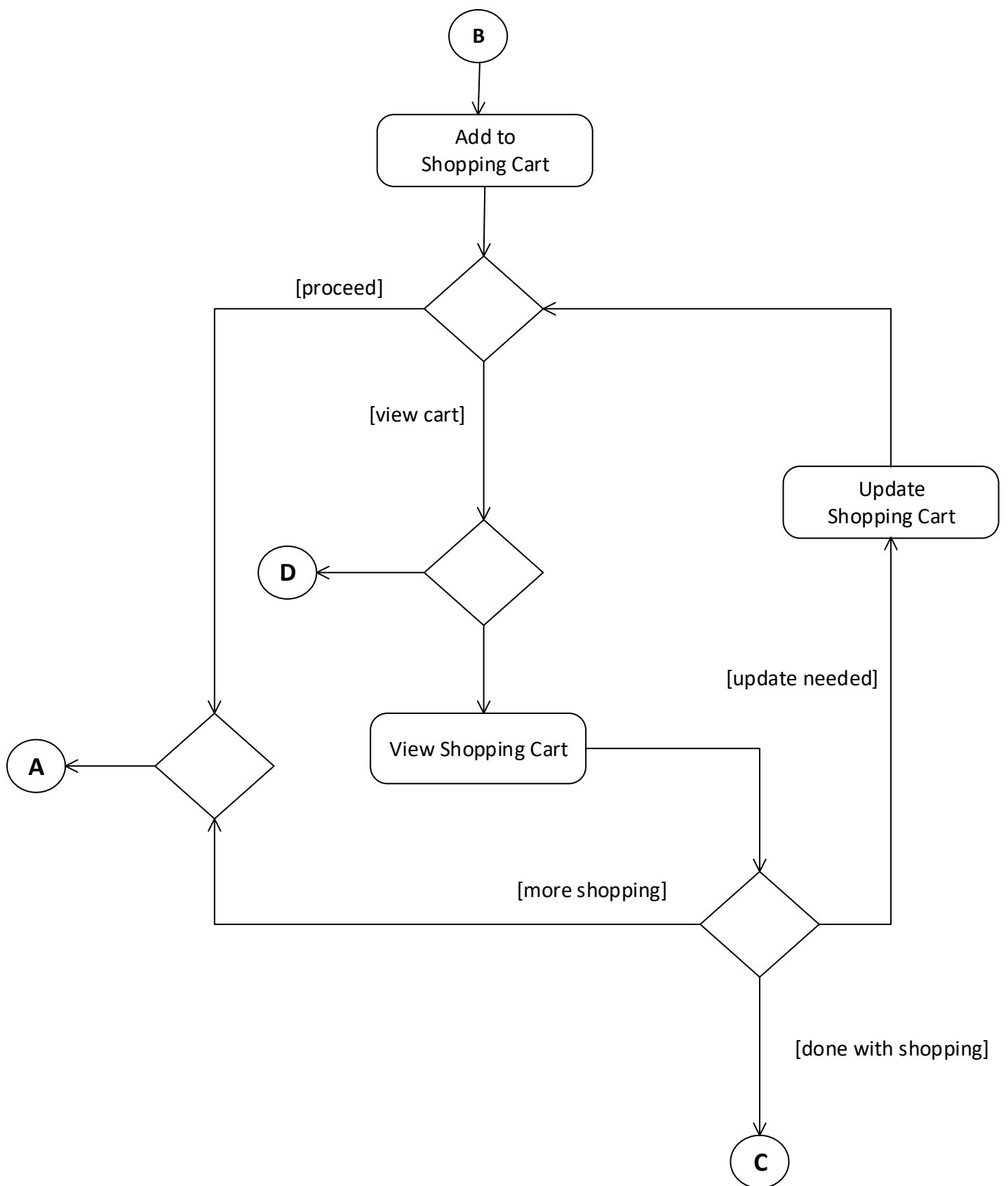
Figure 2.1 Online Shopping Activity Diagram

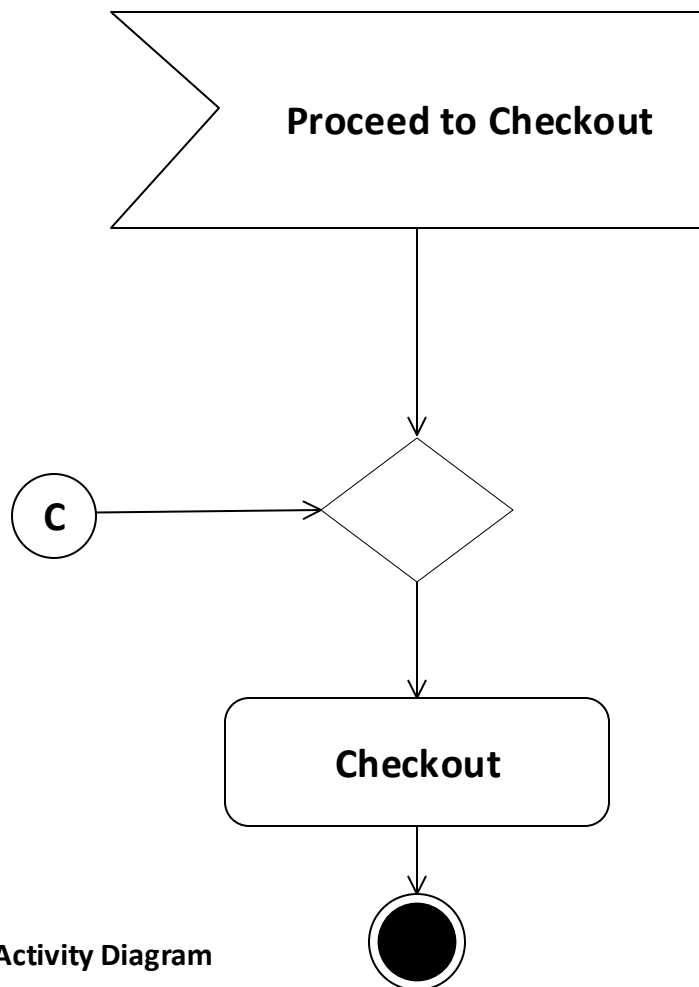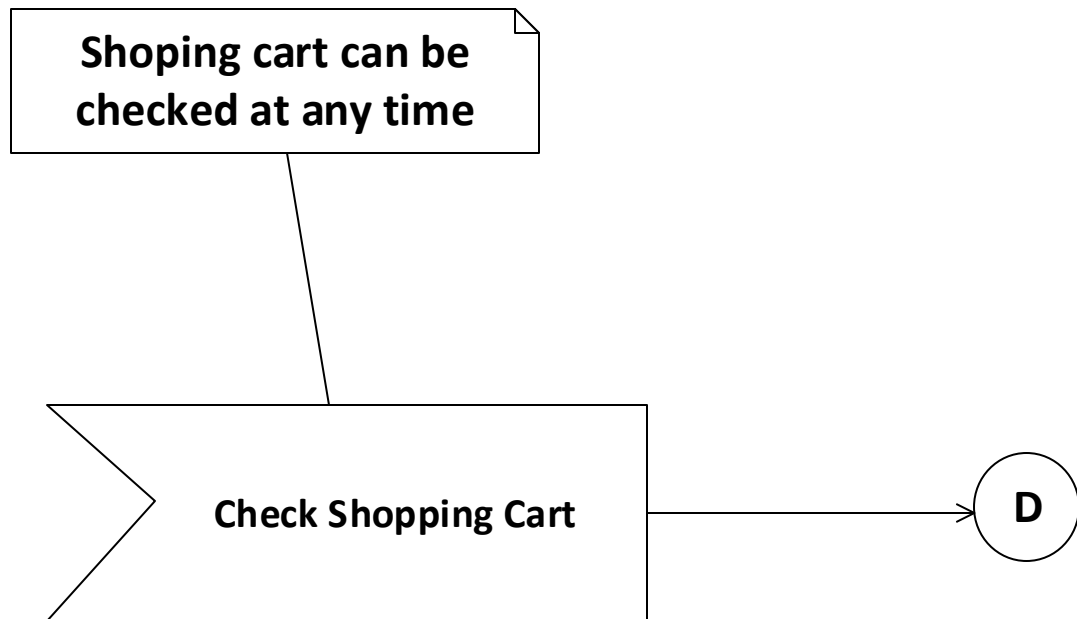**Figure 2.2   Online Shopping Activity Diagram**

Figure 2.3   Online Shopping Activity Diagram

Web User

login_id: String {id}
password: String
state: UserState

Customer

id: String {id}
address: Address
phone: Phone
email: String

Payment

id: String {id}
paid: Data
total: Real
details: String

0..1   1

0..
*

* {ordered, unique}

**<<enumeration>>
UseState**

New
Active
Blocked
Banned

1

1

1

Account

id: String {id}
billing_address: Address
is_closed: Boolean
open: Data
closed: Date

1

1

1

* {ordered, unique}

* {ordered, unique}

Order

number: String {id}
ordered: Date
shipped: Date
ship_to: Address
status: OrderStatus
total: Real

1

1

0.. 1   1

Shopping Cart

1

1

LineItem

quantity: Integer
price: Price

*{ordered, unique}

Line_item

*{ordered, unique}

Line_Item

*

1

Product

id: String {id}
name: String
supplier: Supplier

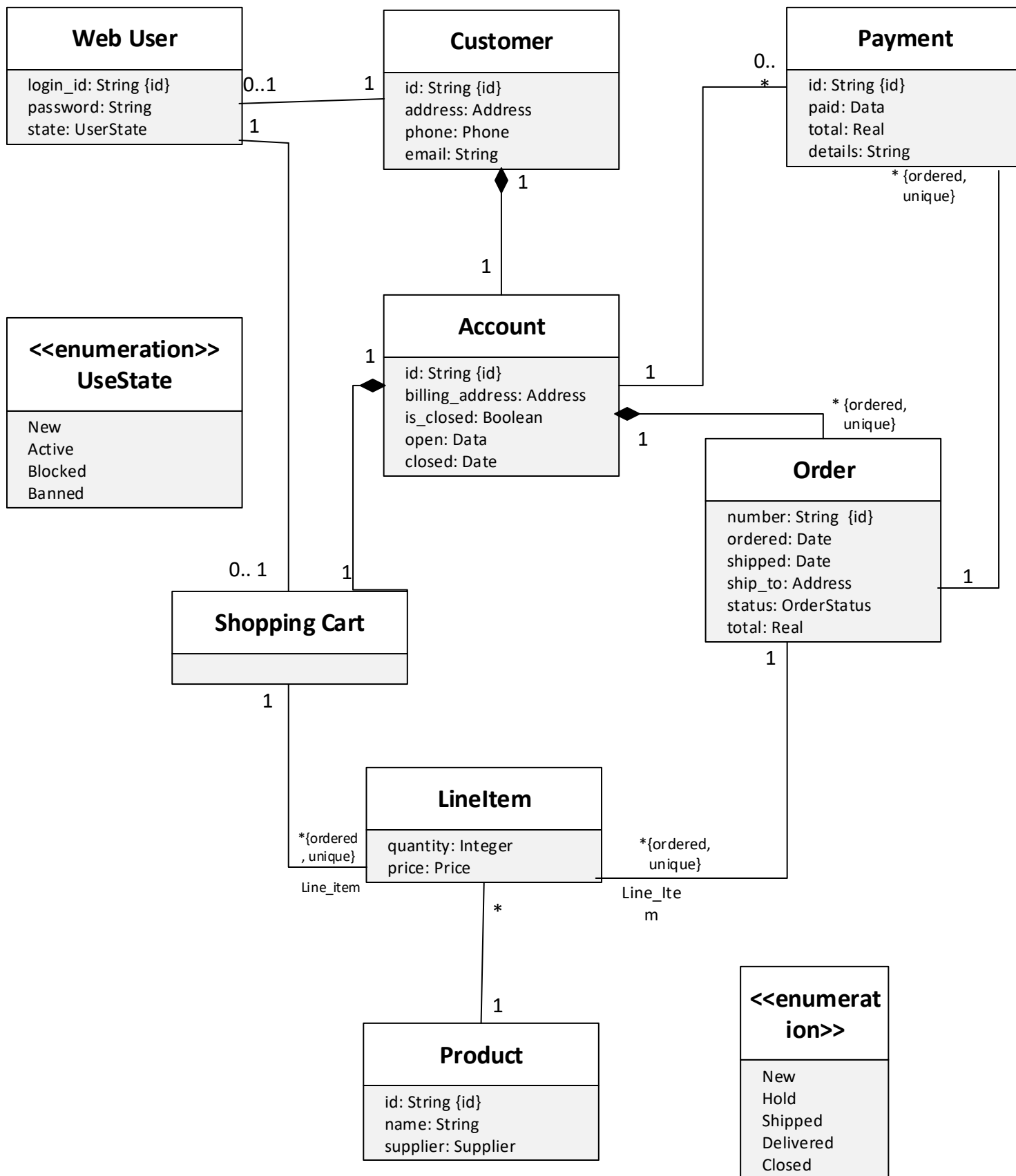**<<enumeration>>**

New
Hold
Shipped
Delivered
Closed

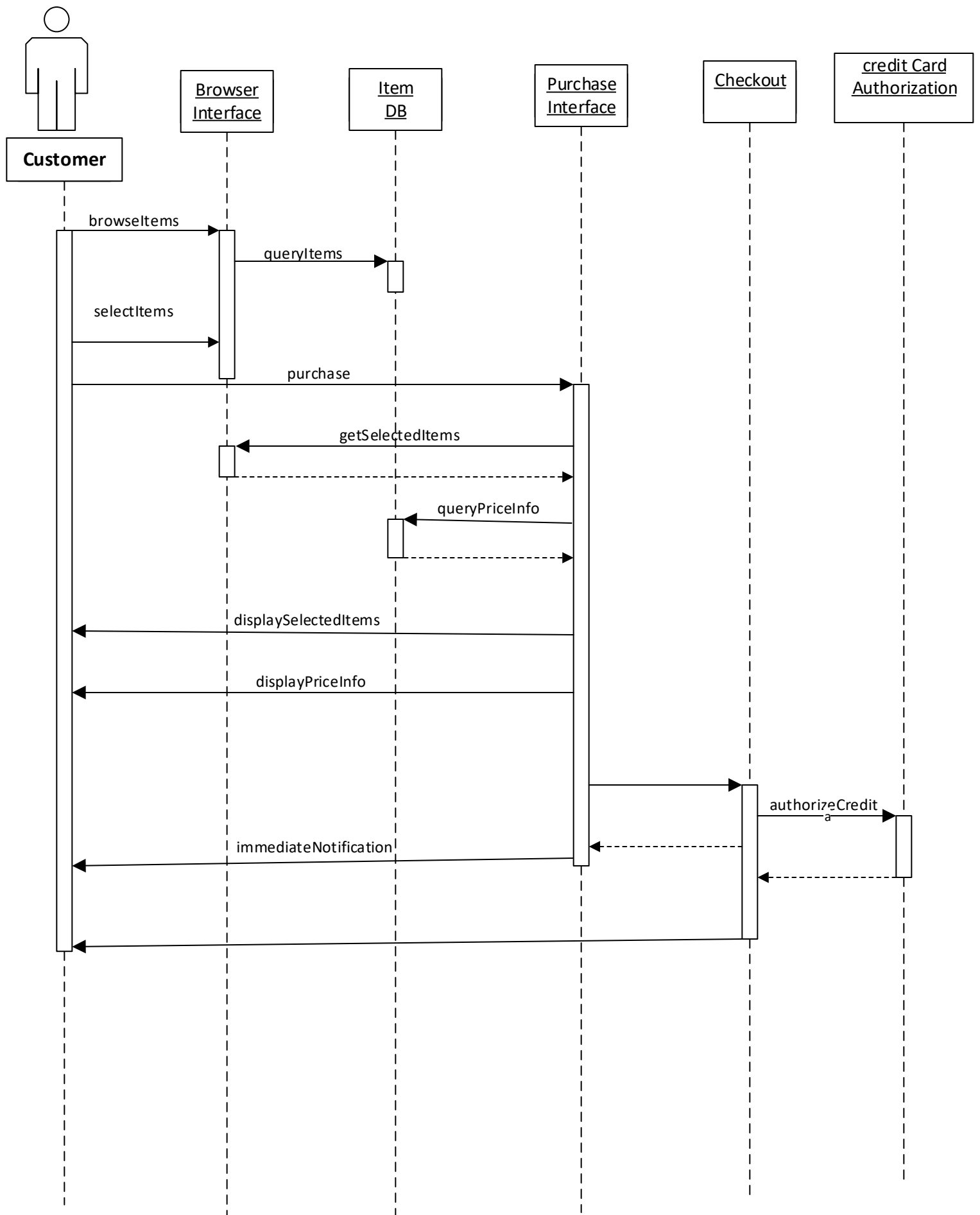**Figure 3.1   Online Shopping Class Diagram**

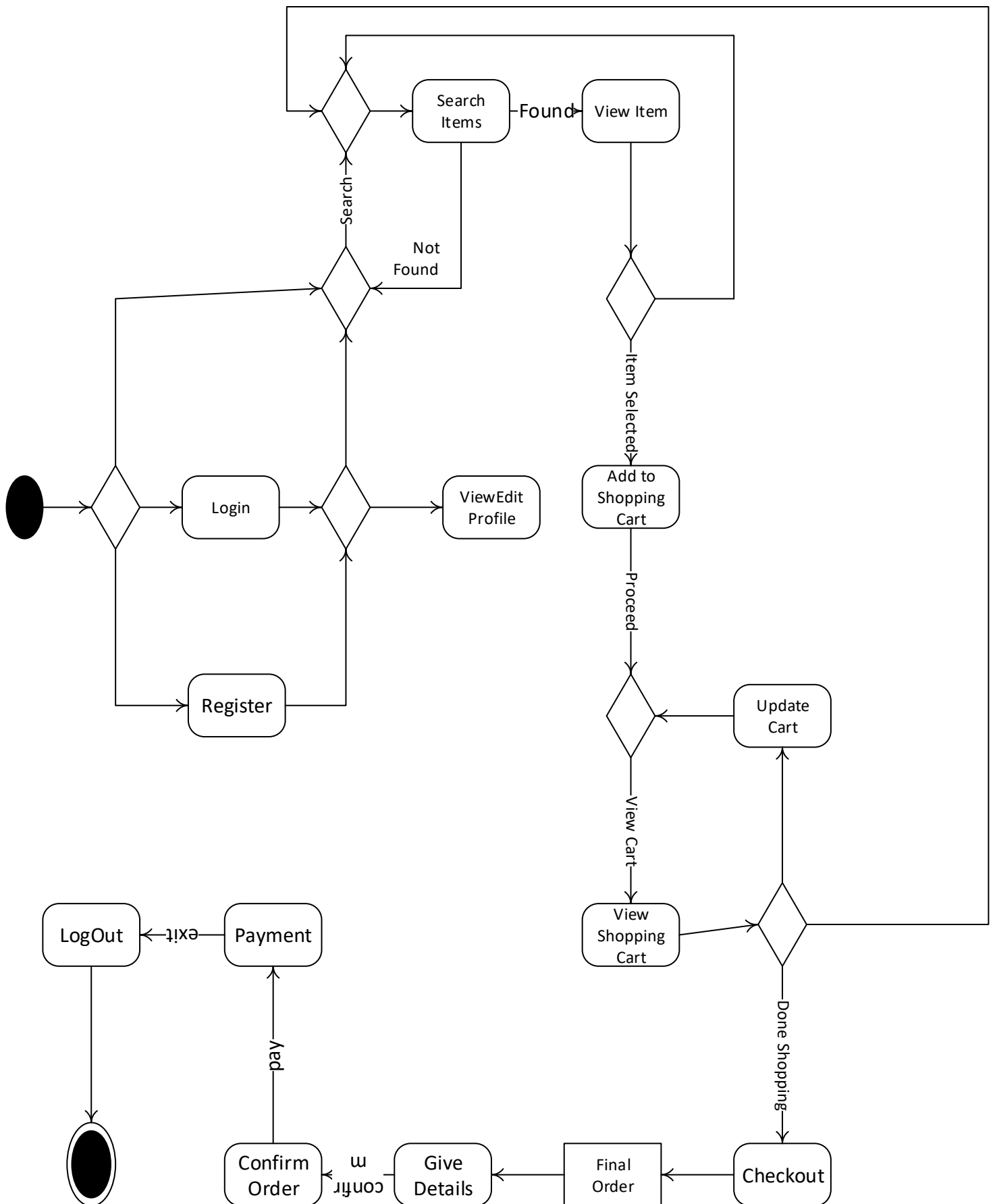Figure: 4.1 Online Shopping Sequence Diagram

Figure: 5.1 Online Shopping State Chart Diagram

Customer	
Places orders Knows name Knows address Knows Customer number Knows order history	**Order**

Order	
Know Placement date Know delivery date Know total Know applicable taxes Know order number Know order items	**Order Item**

Figure: 6.1 Online Shopping CRC Card