COMP 4339 – Software Analysis and Design

Chapter 3: Identifying User Stories and Use Cases

Assignment #2

Date: __09/15/2016__   Name: _____   Grade: _____

Exercises and Problems

Ex.1.

Visit some Web sites of car manufacturers, such as Honda, BMW, Toyota, and Acura. Many of these sites have a use case that is typically named Build and price a car. As a potential customer, you can select a car model, select features and options, and get the car's suggested price and list of specifications. Write a brief use case description for this use case.

Ex.2.

Again looking at a Web site for one of the car manufacturers, consider yourself a potential buyer and then identify all the use cases included on the site that correspond to your goals. (Just a list of possible use cases not a diagram)

Ex.3.

Refer to the RMO CSMS Order Fulfillment subsystem shown in the figure below. Draw a use case diagram that shows all actors and all use cases. (Use a drawing UML tool; Hand-drawing is not accepted)

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CSMS Order Fulfillment Subsystem	
Use cases	**Users/actors**
Ship items	Shipping
Manage shippers	Shipping
Create backorder	Shipping
Create item return	Shipping, customer
Look up order status	Shipping, customer, management
Track shipment	Shipping, customer, marketing
Rate and comment on product	Customer
Provide suggestion	Customer
Review suggestions	Management

Case Study

The Spring Breaks 'R' Us Travel Service

Spring Breaks 'R' Us (SBRU), introduced in Chapter 2, includes many use cases that make up the functional requirements. Consider the following description of the Booking subsystem. A few weeks before Thanksgiving break, it is time to open the system to new bookings. Students usually want to browse through the resorts and do some planning. When a student or group of students wants to book a trip, the system allows it. Sometimes, a student needs to be added or dropped from the group or a group changes size and needs a different type of room. One month before the actual trip, it is time for the system to send out final payment requirement notices. Students cancel the booking or they pay their final bills. Students often want to look up their booking status and check on resort details. When they arrive at the resort, they need to check in; and when they leave, they need to check out.

1. Using the event decomposition technique for each event you identify in the description here, name the event, state the type of event, and name the resulting use case. Draw a use case diagram for these use cases.

2. Consider the new Social Networking subsystem that SBRU is researching that was described in Chapter 2. Think in terms of the user goal technique to identify as many use cases as you can think of that you would like to have in the system. SBRU is guessing you might want to join, send messages, and so forth, but there must be many interesting and useful things the system could do before, during, and after the trip. Draw a use case diagram for these use cases.