

# Assignment #3

**Due Date: 3/25/18 by 11:59pm**

**Deliverable: post your homework as a SINGLE PDF file on Blackboard with the name "Assignment3\_YourLastName,FirstName.pdf"**

## Requirements:

This homework will complement Assignment#2 to achieve the following:

- In the unified process, artifacts are built incrementally through iterations and refinements in the different phases. Refine any artifacts you built in assignment #2 if you see necessary
- Refine the Design model based on the artifacts developed in assignment#2 and the new features/requirements that have been added to this assignment.
- Utilize three design patterns in your design model. Clearly document where these design patterns utilized in your UML design artifacts

## Deliverables:

- Complete list of classes used in your design
- Complete UML Design Model/class diagram
- List of the Design pattern(s) that you have used
- Documentation how these design patterns are used in your design
- Capture design model class diagram(s) (using shift+PrtScr) and save it/them as image(s) in the PDF file that you are submitting as the solution for this homework.

# **Detailed Requirements:**

This assignment will complement Assignment #1, and Assignment #2 to achieve the following:

- Refine the Design class diagram based on the artifacts developed in Assignment #2 in order to accommodate the newly introduced/modified requirements listed below.
- Utilize **three design patterns** in your new design class diagram. Clearly document where these design pattern utilized in your design class diagram.

## **New and Modified Requirements Requested by the Customer:**

The following requirements have been added to the initial list of requirements given in Assignment #1:

- A customer can subscribe/unsubscribe to receive email notifications for new product releases
- A customer can subscribe/ unsubscribe to receive email notifications for Special Sale Events