Assignment #1

High-Level Requirements:

Consider the following high-level description for GameSpeed retailer:

- The intent is to build an application that will allow customer to buy/trade-in products from the retailer either in-store or online
- The store has a StoreManager, Customers, and Salesmen
- The retailers sells new and pre-owned different game consoles, games, and tablets
- The StoreManager can Add/Delete/Update products
- Salesman can create Customer accounts
- There are 3 Console Manufacturers and each offers its own models:
    1. Microsoft
        1. XBOX One
        2. XBOX 360
    2. Sony
        1. PS3

2. PS4
3. Nintendo
   1. Wii
   2. WiiU

- There are 3 Game Makers
  1. Electronic Arts
  2. Activision
  3. Take-Two Interactive

- Every console might have accessories that could be bought separately
- Retailer offers warranty that can be purchased by the customer for every console
- The customer can pre-order products
- The customer can trade-in products
- The customer can place an order online, check the status of the order, or cancel the order.
- The customer can pay in cash, check, or credit card
- The customer has the choice to enroll (or cancel) and become PowerMember in order to receive 5% discount for every item purchased for an annual fee of $100
- Some of the products may have store special-discounts
- Some of the products may have manufacturer rebates
- The customer can choose one of the following options when buying a new console
  1. Buy the new console with no replacement
  2. Buy the new console with 1 year replacement for 50% fee of the console retail price; under this plan the customer can replace the console by a new one any time during the year (The console can be replaced only once for the customer).
  3. Buy the new console with lifetime replacement for 65% fee of the console retail price; under this plan the customer can replace the console by another new one any time (The console can be replaced only once for the customer).
- The customer can rent a console. However, there are a number of lease plans that the store like to offer its customers
  1. Daily rental (for example renting the console for 2 days)

2. Monthly rental (for example rent the XBOX ONE console for 2 months with rental $20/month)
3. Yearly rental (for example rent the XBOX ONE console for $100/year)

Deliverables:
- List of actors
- Identify the most important use cases for GameSpeed retailer
- Use case Model/diagram
- At least one of the use-cases identified should be documented in the fully dressed format.
- All **screen-shots** for the Diagrams shall be captured and saved in the homework you are submitting
- Create your homework using MS-Word and then generate a PDF file for it; you can download FREE PDF generator to your laptop from http://cutepdf.com/

Modeling Tools:
- You are free to choose the modeling tool of your choice or you can use MS-Word to draw the diagrams; there is no requirement to use a Modeling tool for the homeworks
- Following are possible tools if you would like to use a tool to do modeling:
  - You can download and use a free trial of Microsoft visio http://office.microsoft.com/en-us/visio/default.aspx
  - You can download Omondo tool from www.omondo.com / www.eclipsedownload.com