

Assignment #1

Assignment Due Date: 2/11/18 by 11:59pm

Assignment Submission:

Submit your assignment as a SINGLE PDF document on Blackboard by the due date

Assignment Deliverables:

Submit your assignment as a single PDF document that has the following:

1. List of actors
2. List of use cases
3. UML Use-Case Diagram
4. The Activity diagram for placing an online order to pre-order FIFA 2018 sports game for PS4
5. At least one of the use-cases identified should be documented in the fully dressed format.
6. All **screen-shots** for the Diagrams shall be captured and saved in the homework you are submitting
7. 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/>

Project Overview Statement:

Build an application for the GameSpeed retailer that will allow its customers to buy/trade-in products from the retailer either in-store or online

GameSpeed Retailer



High-Level Description:

Consider the following high-level description for GameSpeed retailer:

- The store has a StoreManager, Customers, and Salesmen
- The retailer sells new and pre-owned different game consoles, games, and tablets
- The StoreManager can Add/Delete/Update products
- Salesman can create Customer accounts
- Salesman can Create/Cancel/Update customers order/transaction

- 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)