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TCSS 445A

PROJECT PROPOSAL

## ONLINE COMPUTER SALES MANAGEMENT

### General Information:

This project represents the information business requirements of online sales management system. This should include the information systems of the computer specifications and the customer management system. The important of this phase of development is to improve the functionalities of database and its data types for a good sake of a computer online-store.

1. Description: This project is to give a brief explanation of how a retail store manages their sale products and updates customer's information using a database application.
  - a. Background: The retail store has 3 specific brands of laptops with different specifications that will be shown in the description list. Depending on the customers' prerequisites, they will choose the best ones they want to buy. So this application will show us what they buy and the information of customers who purchases the products.
  - b. Product Information: There are some different brands of laptops: Asus, Dell, and Toshiba, etc... with different specs and details. For example, Asus laptop 15.6" i7 processor 8GB of RAM, 500GB HDD, DVDROM, and Asus laptop 15.6" i5 processor 6GB of RAM, 480GB SSD, Touch Screen. Because I just want to make it easily, there should be around 2-3 sale laptops of each brand availability in the store. Every laptop should come with a specific number (UPC) and prices that they can be determined easily. UPC is the primary key of this table.
  - c. Customer Information: Another table (Customer table) should include the details and information of customers who purchased laptops. With the database application, we can able to retrieve, insert, update, and delete the information of the customers such as userIDs, names, email addresses, purchased items (UPC). Note: UserID cannot be the same with the other customers, so it will be technically the primary key.
  - d. Customer Ratings: This table (rating table) will include 2 combined primary keys of the userIDs and the product code (UPC) and the comments of the customer for the purchased product with the rating stars.

## 2. Implement Functionalities

### Find a Product:

A specific customer should be able to find a particular computer even without registering themselves. They can find those products in many ways such as brand and its specs to review before they can purchase it.

### Add To Cart

After the customers absolutely found a specific product they want to spend money on, they can add those items in their own cart but some of the products will be limited to its own quantities in the cart because some items will not be available or exceed to a limited number. Lastly, customer will be required to log in or registered if they do not have a registered account in this store to check out all items in the card.

### Register

A customer should fill out all required personal information that they can be contacted as soon as possible for a particular circumstance. Customers technically share their own email address, phone number, and current address, and especially their bank account (for check out).

### Log in

A customer can log in using his/her userID after registered but no password will be set in this prototype.

### Checkout

The customers just need to verify their information and pay as their saved bank account and their current address. This management system is just a basic one so it does not require another information in this prototype as well.

### Product Ratings

After the customers delivered their product, they will be asked to provide feedback of the shipment and how the product works as their needs.

### Cancel Order

Customers can cancel their orders as well as the item has not been shipped out to their address. Since it has shipped, customers will have to return the orders back to store as a given address. However, the return shipment will be paid by the store.

### Supporting Requirements

The system will allow to order duplicate items by different customers if those items are still available in store. If they are out of stock, “first comes, first serves”.