

Inventory Management System

Scenario: A small retail outlet requires a system to manage/record its inventory products on-hand.

Requirements: ***Remember your internal documentation!*

1. Create a Windows Forms Application to insert and delete product information into the Product.accdb database.

Note: Use UNBOUND approach in your coding.

2. Complete the following requirements
 - a. When the form first loads fill a combobox with all the Product_Id's
 - b. Use Textboxes with appropriate labels for the following: Description, Price, Quantity, and Mark-UP.
 - c. When the user selects a Product_Id from the combo box populate the correct text box with the data selected from the database.
 - d. Add the following three buttons.
 - CLEAR:** Clears the textboxes allowing the user to enter a new record.
 - DELETE:** Use the selected Product_Id from the combo box to delete the record. If there is no record selected produce a message and do not try to delete the record. If there is a Product_Id selected ask the user if they are sure that they want to delete the record. This message box should have Yes No buttons and the record should only be deleted if they user selects Yes.
 - INSERT:** To INSERT new product into the database. Make sure all fields are filled out. Do not try to insert anything into the Product_Id column. Product_Id is an auto generated index from the database.
 - e. When validating the form make sure the following is correct before trying to insert data.
 - i. Description: Not empty
 - ii. Quantity / Price / Mark-UP: Not empty and a number
 - f. Textboxes should be cleared and combo box should be repopulated once Insert or Delete is completed.
 - g. Try Catch error handling is to be implemented on all database activities.
 - h. All database connections and any data readers should be Closed after using them.

Database

Product	
🔑	Prodcut_ID
	Description
	Retail_Price
	Quantity
	MarkUP

Evaluation rubric:

Code Structure Overall	15%	Select, Insert and Delete	50%
Validation	15%	Internal Documentation	5%
Form Creation	15%		