

Inventory system project



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Contents

Abstraction.....	2
Why we use this?	2
Login form	3
Main form	4
User form	5
User module form	6
Product form	7
Product module form	8
Customer form:	9
Customer Module form.....	10
Category form	11
Category Module form.....	11
Order form	12
Order module form	13

Abstraction

It is a password encrypted system in this software we can store all data about customer, users, products, categories and orders and also, we can insert, delete and update. It is the combination of different form such as login form, main form, user form, user module form, customer form, customer module form product form, product module form, order form, order module form, category form, category module form.

Why we use this?

- In any inventory block or store it helps to manage all the product their category and their customer.
- It's very helpful to manage all calculation regarding the business within seconds.
- It gives easy and understandable product, category and customer operation.
- You can further make changes once you placed order, insert customer, insert product, insert category, insert user etc.
- You can delete, update and save the data.
- You can understand by looking a glance on the below abstraction that how can it make your business workflow smart, consistent and unambiguous.

Login form



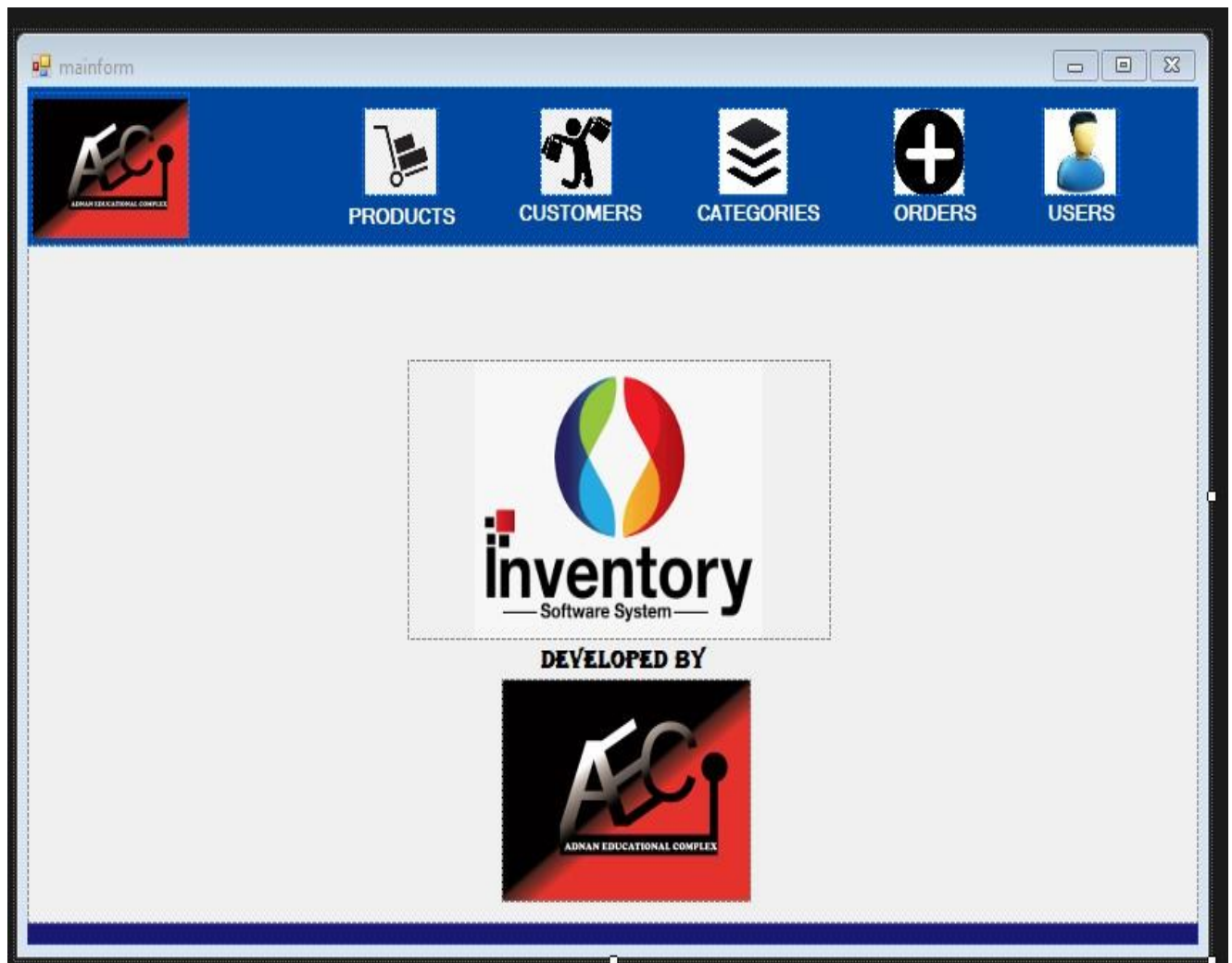
The image shows a login form window with a red border. At the top left is a shopping cart icon. To its right are five colorful circles containing the letters 'A', 'D', 'A', 'N', 'A' in sequence. In the top right corner is a close button (X). The main content area is white and contains the 'Inventory Software System' logo, which consists of a stylized 'i' and a colorful circular graphic. Below the logo, the text 'PLEASE LOGIN FIRST' is displayed. Underneath this are two text input fields labeled 'Name' and 'Password'. Below the 'Password' field is a 'Clear' button and a checkbox labeled 'Show Password'. At the bottom of the form is a large red button labeled 'Login'.

In this form we have used some picture box to add some logos and also, we have used labels and text boxes for name and password.

And also, clear label to clear the recent data on the text boxes, at the bottom we have use a login button to move into a new form. Note these all-text boxes have codes in the backend.

Main form

It is the main part or module of software because in this interface we have all control and all access In this form we have used control buttons to access other form such as product form, user form etc




User form

In this form we have used a data grid to store data about users and make a column of each attribute like (No, username, full name, password, phone). And also, we have data grid link name as “edit” to edit the user and also a data grid link name as “delete” to delete the user.

The screenshot displays a web application interface for managing users. At the top, there is a data grid with the following columns: 'No', 'User Name', 'Full Name', 'Password', 'Phone', and two action columns. The first row of the grid is highlighted in grey and contains a small asterisk in the 'No' column, followed by empty cells for the other columns, and two red 'X' icons in the action columns. Below the grid is a large white rectangular area. At the bottom of the interface is a blue footer bar containing the text 'Manage User' on the left and a circular button with a white plus sign on the right.

And also, have a control button of manage user to add users. When ever you click on the manage button

User module form



The image shows a Windows Forms application window titled "User Module". The window has a red title bar with a close button (X) in the top right corner. The main content area has a light gray background. It contains five text input fields, each preceded by a label: "User Name", "Full Name", "Password", "Re-Enter Pass", and "Phone". At the bottom of the form, there are three buttons: "Save" (black), "Update" (blue), and "Clear" (red). The window has a standard Windows border and a small maximize button on the right side.

User Module

User Name

Full Name

Password

Re-Enter Pass



Phone


Save **Update** **Clear**

or Plus sign on the left bottom a new WinForms open to add A new user like. In this form you can enter data about new user and also clear the temporary data on the text boxes.

Product form

Whenever you click on product control button on the main form it open a new from called product form composed of data grid of product which includes column such as (No , product ID, product name, quantity, price, description), and also a data grid link same as user form to delete and edit the product.

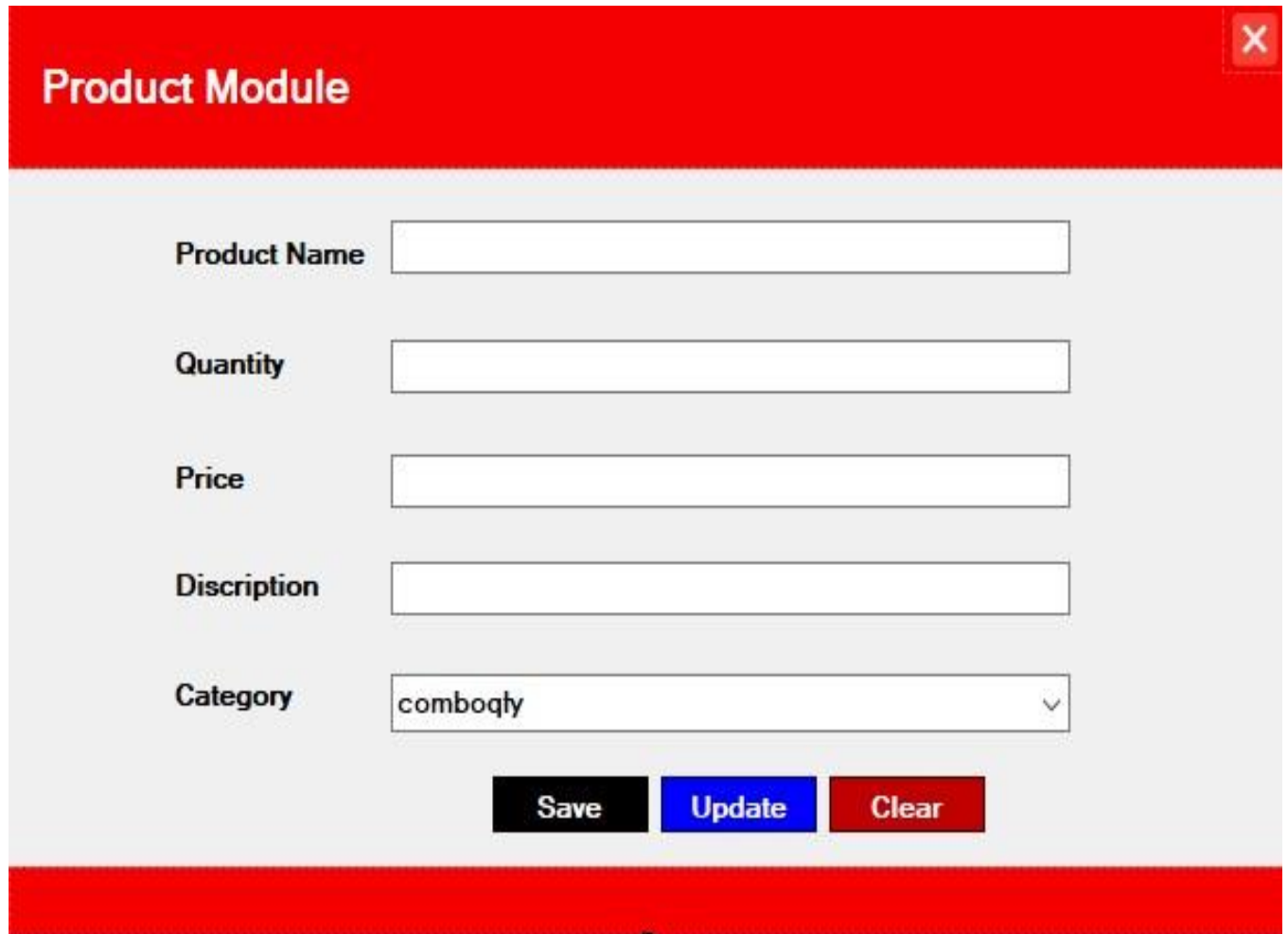
No	Product ID	Product Name	Qty	Price	Discription		
*							

Manage products

And also, a manage product button or a plus sign to manage the products.

Whenever you click on it, it open a new form name as product module to add new product on the product form.

Product module form



The image shows a web form titled "Product Module" with a red header bar. In the top right corner of the header is a red square button with a white "X" icon. The form itself has a light gray background and contains five input fields, each with a label to its left: "Product Name", "Quantity", "Price", "Discription", and "Category". The "Category" field is a dropdown menu with "comboqly" selected and a small downward arrow on the right. Below the input fields are three buttons: "Save" (black), "Update" (blue), and "Clear" (red). The entire form is framed by a red border at the top and bottom.

Product Module

Product Name

Quantity

Price

Discription

Category

Save **Update** **Clear**

It a has a combo box to add product category.

Customer form:

When you click on the customer control button it open a new form called as customer form having data grids of customer form includes (no, customer name, customer id, and phone). And a data grid cell of edit and delete to update and delete the customer data from data grid customer.

	No	CustomerID	Name	Phone		
*						



In the customer form we have manage customer button to add new customer.

Customer Module form



The image shows a web form titled "Customer Module" with a red header bar. The form has a light gray background. It contains two input fields: "Name:" and "Phone:". Below these fields, there is a label "Customer ID" and three buttons: "Save" (black), "Update" (blue), and "Clear" (red). A red bar is at the bottom of the form area. A small red square with a white 'X' is in the top right corner of the header bar.

Customer Module

Name:

Phone:

Customer ID

the customer ID mistakenly comes over the table please ignore it.

Category form

When you click on category control button on main form it opens a new form called category form

It includes data grid also composed of column such as (No, category ID, category name),

And also, a data grid cell to used to delete and updated customer data from customer form.

No	Category ID	Name		
*				

Manage Category

And also manage category button to add new category.

Category Module form

Category Module

Category Name:

Category ID







Save







Update

Clear

From this category module form you can save update and clear data of category.


Order form

**PRODUCTS****CUSTOMERS****CATEGORIES****ORDERS****USERS**

	No	order ID	Order Date	Customer ID	Customer Name	Product ID	Product Name	Price	Qty	Total		
▶	1	95	28/10/2022	16	adnan	31	dell	20	2	40		
	2	96	1/11/2022	17	junad	31	dell	20	7	140		
*												

Manage order
Search Box:

Order: Order Qty: 2 Total Amount: 180


Delete All

In this form you can search for all entities in the table it shows all thing about order such as order quantity, total amount of each product and sum of all products its up to you that how can you use it.

The red delete button here to delete all record in this order form.

As usual the delete icon is used for to delete a single row in the table and the pencil icon is used to make changes in the row.

It's the most important module of this software because here we deal with the placement of making s orders, deleting orders and updating. Its database comprised of the product and customer database means changing in this section make changes in the both customer and product side. Because it depends on the both.

You can select customer and product by searching on the search bar or dragging the mouse on the table and click on whatever you want, whenever you select customer the customer boxes fill and same things happens to the products boxes as per user demand and selection of product as you can see in the form.

You can also update and clear the data.

13

Use case

