

Supermarket ordering system

“Event-Driven project”

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We done a project about supermarket ordering system so first there are login and sign up interface for user in order to make account and opening it in anytime he wants so user after logging in , he will find group of categories so he can choose any category he wants that sends him to more products about the selected category and under each product there will be name of the product and it's price and a button that he can click on it in order adding this product to shopping cart so it will be sent to receipt and user can checkout and then writing his information accurately for the delivery.

(Database is used from Microsoft sql access and connected to every label in the project by connection string as writing name of server that contains our “supermarket database” that contains all our data tables in the code that facilitates the update information of the form and we connect all the prices from different data tables in one table in order to be able to sum the

prices and displaying the total price to the user as a receipt)

So we will talk about each form in details and about it's content:

Our forms :

- **Loading form:** It is a form for loading only and then the application starts ,in Gui(graphical user interface) we use In this form timer .
- **Login form:** It is the form that contains username and password with a textbox corresponding to each label And a button that has an access with the database as it goes after user create an account and checks if username and password are in table or not and if not message box appears saying that username or password is wrong and if it's correct sending user to a form that contains group of categories

- **Signup form:** It is the form that user has access to make an account in it by writing his phone number, his username and his password and automatically it is stored in the table by make query inserting in it for future logins.

(There are input validation used in both the login and sign up forms to give the user only access to write reliable specific things only that are suitable with the logic and its data type)

(There are labels at the top of each form to facilitate navigation in the application by clicking on it only navigating user to previous form and another label navigating user to next form and x symbol to exit the application at all)

- **Categories form:** consists of five categories which are (milk category , meat category , snacks category , cheese category, drinks category) and each category has its table in the database in which we have access to it after

connection string as connecting our project to the server and determining the database which contains a group of data tables

- **Milk form:** has 6 products and each product has a name and a price label where the name label is connected to the “milk table” in our database by selecting a certain row to make only the product information appears (name, price) and its determined by the product par code which is a primary key and also each product has a button under it to add its price while checkout and receipt.
- **Cheese form: connected to “cheese table”** has 6 products that is connected to the database as any update from the database appears in the labels and also button for adding them to shopping cart.

- **Snacks form:** connected to “snacks table” has 6 products connected to database to display the latest updated name and price

We have also 2 other forms (meat form) connected to “meat table” and drinks forms connected to “drinks table” that has the same labels and same system like previous forms.

- **Invoice form:** has data grid view that is connected to “totalpricetable” and it is the table that takes all prices from prices label that is already connected for each product by it’s information from its own data table and data grid view has only one column called price which is filled according to the selected products the user select by clicking on the button “add to cart” and there is a textbox called invoice textbox which displays the total price of the column “price” in the data grid view in order to make the user know the total price of the selected products and there is another

button known as “checkout” in order to save the receipt and it deletes all the previous records in the main data table and also under the receipt there is “delete this item” button in which gives the user access to delete a certain item only by clicking on it and then click on the button so it is deleted and the total price appears by the new prices after deleting in the data grid view and also another button known as “delivery” and by clicking on it the next form “delivery form” appears

- **Delivery form:** has three labels and three textboxes (first name, last name and address) and also there is an input validation for first name and last name to contain only letters (string values) to suit the datatype determined to it in the data table and logic , each textbox is connected to its corresponding field in the data table

- **Last form:** only has labels and picture box and after user clicking done in the previous form (delivery form) this form appears which is the last form in the application.

(GUI (graphical user interface): Textboxes, labels ,pictureboxes , buttons are used(in all forms dark sea green color is used to give harmony and balance in the application and also the size of picture boxes in each form is set to be the same size according to each form)

(as by only clicking the form default classes are created)

(we create an oop class named delivery class that takes inputs by setters and return by getters and then in delivery form we uses this class as we need its functons and took an object from it)

Thank You!!