Kraig Massee

Lab 5 Design

**Step 1.**

**Purpose:** To allow users to enter login information. Then search through a list of pizzas. The user will be able to type a pizza in another box and add it to their cart, showing price and an image of the pizza. Clear, exit, and sorting are enabled.

**Output:** Welcome box. error if incorrect password and username. Message box with pizza availability. Add pizza to list. Add price to list. Remove pizza from list. Remove price from list. Pizza image.

**Input:** username, password. Button press to login, cancel, exit. Text for pizza search. Yes, no for continue. Type pizza to add to list. Item click and Button click for remove pizza from list. Button click for clear.

**Process:** username and password are listed within code. User must know those to enter the program. Login button displays the pizza search and order form after correct username and password entered. User can enter pizza search in input box. Sort pizzas through button click. Enter pizza to add to list in text box. Add using button click. Remove using item list click and then button click. Clear the form with button click.

**Step 2.**

Lab 5 design is located in main folder of “Kraig Massee Lab 5” named as “Kraig Massee Lab 5 Design.vsdx”

**Step 3.**

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| **Name** | **Description** | **Text** |
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|  |  |  |
| pizzaShopForm | Form to hold controls | Pizza Shop |
| topBarMenuStrip | Menu Strip to hold the menu drop downs | “File, Specials, Orders” |
| loginGroupBox | Group Box to hold login Controls |  |
| orderPizzaMainGroupBox | Group Box to hold order pizza controls | “Order Pizza” |
| customerNameLabel | Label | “Enter customer name in all lowercase” |
| customerNumberLabel | Label | “Enter 7 digit customer number” |
| customerNameTextBox | Text box for customer to enter their name | “” |
| customerNumberTextBox | Text box for customer to enter their customer number | “” |
| loginButton | Button to login customer after verfication | “Login” |
| cancelButton | Button to cancel login | “Cancel” |
| exitButton | Button to exit | “eXit” |
| specialsGroupBox | Group box to hold Specials | “Specials” |
| orderGroupBox | Group box to hold order pizza controls | “Order” |
| specialsLabel | Label | “Click to see our specials” |
| specialsComboBox | ComboBox pizza choose | “” |
| searchButton | Button to search pizzas | “Search” |
| arrangeButton | Button to arrange pizzas | “Arrange” |
| orderInstructionLabel | Label | “Add pizzas to the shopping cart No Duplicates - All Caps” |
| orderPizzaTextBox | Text box for user to type in Pizza | “” |
| addToShoppingCartButton | Button to add pizza to cart | “Add to shopping cart” |
| removeFromCartButton | Button to remove pizza from cart | “Remove from the cart” |
| clearAllButton | Clears all forms | “Clear all” |
| selectedPizzaLabel | Label | “Your Selected Pizzas” |
| priceLabel | Label | “Price” |
| selectedPizzaListBox | Holds selected pizzas | “” |
| priceListBox | Holds pizza price | “” |
| pizzaPictureBox | Holds pizza picture | “” |
| typeOfPizzaLabel | Holds selected pizza info | “” |
| passwordLoginErrorProvider | Handles error reporting | “” |
| toolTipPizzaControl | Provides tooltip interface | “” |

**Step 4.**

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| **Method** | **Description** |
| pizzaShopForm() | Main initialization. Hides form before login. Sets combobox values |
| customerNameTextBox\_KeyPress | limits customer name to lower case and backspace and set error on mistake |
| loginButton\_Click | Checks user entered data with stored variables to confirm a match. Disables errors if present. Sets the visibility of the order forms to true |
| customerNumberTextBox\_TextChanged | Sets password character and max length of text box input in customer number |
| customerNumberTextBox\_KeyPress | Sets numbers as valid in customer number text box |
| cancelButton\_Click | Clears the username and password form and gets rid of set error |
| exitButton\_Click | Displays a message box prompting the user if they want to exit or not. |
| specialsComboBox\_SelectedIndexChanged | Sets the image, label text, and tooltip for selected item in the combobox |
| arrangeButton\_Click | Performs sort function on combobox |
| searchButton\_Click | Checks the text of the search text box to see if it matches a pizza type. Prompts user if they want to search for a pizza with input box. Allows user to continue searching for pizza |
| addToShoppingCartButton\_Click | Adds the type of pizza to the pizza and price list if the pizza type is valid. Displays image and label of pizza added. |
| removeFromCartButton\_Click | Removes either price or pizza from the list individually. |
| orderPizzaTextBox\_KeyPress | Sets valid characters for add pizza text box to uppercase |
| clearAllButton\_Click | Clears forms |
| clearToolStripMenuItem\_Click | Performs login function |
| eXitToolStripMenuItem\_Click | Performs exit function |
| addToShoppingCartToolStripMenuItem\_Click | Performs add to cart function |
| removeFromTheCartToolStripMenuItem\_Click | Performs remove from cart function |
| cancelToolStripMenuItem\_Click | Performs login form clear |
| searchToolStripMenuItem\_Click | Performs search function |
| arrangeToolStripMenuItem\_Click | Performs sort function |
| eXitToolStripMenuItem\_Click\_1 | Perform exit function |