Kraig Massee

Lab 8 Design

**Step 1.             Clearly define what the application will do.**

**Purpose**: To give the user a selection of books to choose from that can be added to cart. Book store.

**Output:**Finalized shopping cart. Videos about books. Comment form. Book Pictures. Message box to navigate program

**Input:**Login credentials. Topic selection. Book selection. Comments. Clear. Remove

**Process**: User logs in. Chooses topic. Chooses book from topic. Chooses to add to cart. Can remove from cart. Clear cart. Finalize the price. Items shown in receipt area with total price. Can leave a comment. Can watch a video about the book. Can set form to default. Can save comment. Can exit.

**Step 2.**

GUI design is in “Kraig Massee Lab 8” folder named “Kraig Massee Lab 8 Design.vsdx”

**Step 3.**

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| --- | --- | --- |
| **Name** | **Description** | **Text** |
| **bookStoreForm** | **Holds controls** | **“Kraig’s Bookstore”** |
| **myMainToolStrip** | **Holds button controls** | **“”** |
| **loginGroupBox** | **Holds login controls** | **“Login”** |
| **userNameLabel** | **Label for username** | **“Enter User Name”** |
| **userNameTextBox** | **Text box to enter username** | **“”** |
| **phoneNumberMaskedTextBoxLabel** | **Label for phone number** | **“Phone Number”** |
| **phoneNumberMaskedTextBox** | **Text box for phone number** | **“(\_\_\_)-\_\_\_-\_\_\_\_”** |
| **loginButton** | **Validates login information** | **“Login”** |
| **loginClearButton** | **Clears login information** | **“Clear”** |
| **bookSelectionGroupBox** | **Holds book selection controls** | **“Book Selection”** |
| **bookSelectionComboBox** | **Holds subjects for books** | **“”** |
| **noChangebooksInStockLabel** | **Books in stock label** | **“Books in Stock”** |
| **booksInStockListBox** | **List box to hold books** | **“”** |
| **mainStatusStrip** | **Holds time** | **“”** |
| **selectedBooksGroupBox** | **Holds picture boxes** | **“Selected Books”** |
| **discountBooksTextBoxLabel** | **Label for store** | **“Discount Book Store”** |
| **topicPictureBox** | **Holds topic selected in combobox. Displays picture of selected subject** | **“”** |
| **specificBookPictureBox** | **Holds specific book picture** | **“”** |
| **noChangeBookPriceLabel** | **Shows where book price will be** | **“Book Price”** |
| **changeBookPriceLabel** | **Displays currently selected books price** | **“”** |
| **shoppingCartGroupBox** | **Holds shopping cart controls** | **“Shopping Cart”** |
| **shoppingCartComboBox** | **Holds books added to shopping cart** | **“Thank You For Shopping”** |
| **addToShoppingCartButton** | **Adds books in book selection list box to combobox** | **“Add to Shopping Cart”** |
| **removeFromShoppingCartButton** | **Removes books in combobox** | **“Remove”** |
| **clearShoppingCartButton** | **Clears combobox** | **“Clear Shopping Cart”** |
| **processGroupBox** | **Holds process controls** | **“Process”** |
| **finalizeButton** | **Finalizes order** | **“Finalize the Order”** |
| **clearAllProcessButton** | **Clears form** | **“Clear All”** |
| **exitButton** | **Message box to exit form** | **“Exit”** |
| **myErrorProvider** | **Holds login error providing** | **“”** |
| **totalPriceLabel** | **Holds total price area** | **“Total Price:”** |
| **contextMenuStrip** | **Holds context menu items in group box** | **“”** |
| **contextProcess** | **Allows notepad to be opened** | **“”** |
| **chromeProcess** | **Allows Chrome to be opened** | **“”** |
| **timeStatusLabel** | **Holds time** | **Current time** |
| **myTimer** | **Increments time** | **“”** |
| **listViewPrice** | **Holds added shopping cart items** |  |
| **myWebBrowser** | **Holds video** | **“”** |
| **webButton** | **Loads video** | **“Watch a video of selected book”** |
| **commentGroupBox** | **Holds comment controls** | **“Comments”** |
| **noChangeNameLabel** | **Labels name textbox** | **“Your Name”** |
| **yourNameTextBox** | **Text box to leave comment** | **“”** |
| **bookTitleTextBox** | **Enter book name** | **“”** |
| **yourCommentRichTextBox** | **Holds comment to be saved** | **“”** |
| **commentClearButton** | **Clears comment** | **“Clear”** |
| **submitButton** | **Saves text info to text file** | **“Submit”** |
| **totalNoChangeLabel** | **Label for total** | **“Total:”** |
| **noChangeBookNameLabel** | **Labels book textbox** | **“Book Title”** |
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**Step 4.**

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| **Method** | **Description** |
| userNameTextBox\_KeyPress | **Handles lower case and backspace for login credentials** |
| loginButton\_Click | **Verifies login information and displays other group boxes** |
| bookSelectionComboBox\_SelectedIndexChanged | **Allows user to change subject selected in combobox** |
| booksInStockListBox\_SelectedIndexChanged | **Allows user to change specific book selected in list box** |
| addToShoppingCartButton\_Click | **Adds selected item in list box to cart combobox** |
| removeFromShoppingCartButton\_Click | **Remove selected item in cart combobox** |
| clearShoppingCartButton\_Click | **Remove all item in cart combobox** |
| finalizeButton\_Click | **Disable cart selection buttons and add items in cart to list view** |
| takeNotesToolStripMenuItem\_Click | **Opens notepad** |
| quitNotepadToolStripMenuItem\_Click | **Quits notepad** |
| searchWebToolStripMenuItem\_Click | **Opens Chrome** |
| quitChromeToolStripMenuItem\_Click | **Quits Chrome** |
| myTimer\_Tick | **Keeps date and time up to date** |
| exitButton\_Click | **Message box to exit** |
| clearAllProcessButton\_Click | **Sets the form to default** |
| loginClearButton\_Click | **Clears login credentials** |
| webButton\_Click | **Loads a related video based on what book is selected in the choose book combobox** |
| submitButton\_Click | **Saves comments to file** |
| commentClearButton\_Click | **Clear comment forms** |
| toolStripButton1\_Click | **Perform click exitButton** |
| toolStripButton\_Click | **Opens save form to save comment as file** |
| shoppingCartClearToolStrip\_Click | **Perform click clearAllProcessButton** |
| toolStripButton1\_Click\_1 | **Perform click addToShoppingCartButton** |
| toolStripButton2\_Click | **Perform click removeFromShoppingCartButton** |
| toolStripButton3\_Click | **Perform click clearShoppingCartButton** |
| toolStripButton4\_Click | **Perform click finalizeButton** |
| toolStripButton5\_Click | **Perform click webButton** |