

Project 7-1 – Stormazon

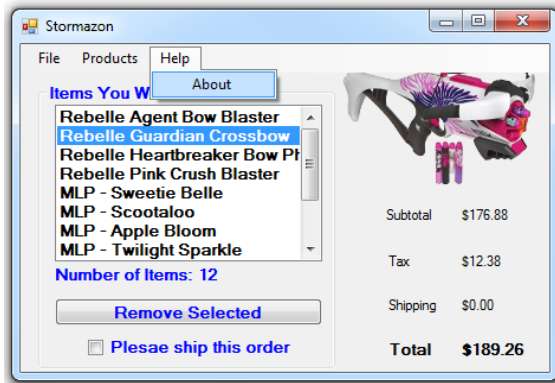


Figure 1

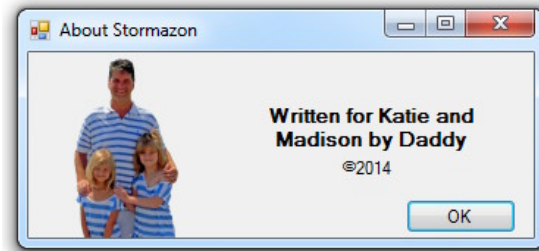


Figure 2

Stormazon is a local storefront business/website that allows users to order their merchandise via kiosks throughout the nation. Customers can either have items shipped to them directly or they can pick-up their orders from a local retail outlet. As the lead programmer, it is your job to design the kiosk user interface. The business owner has a few requirements but has given you executive power in overall program design.

Project Objectives:

- Use of multiple forms
- Use of a module
- Use of ListBox
- Use of MenuStrip for navigation
- Use of Radio Buttons and/or Check Boxes
- Use of functions and procedures for repeated code
- Use of arithmetic operators
- UI design

Example Category/Product/Price

Nerf Rebelle	My Little Pony	Music
Agent Bow Blaster 29.99	Twilight Sparkle 19.99	Taylor Swift 9.99
Guardian Crossbow 24.99	Pinkie Pie 14.99	Owl City 4.99
Heartbreaker Bow Phoenix 22.99	Sweetie Belle 12.99	Bon Jovi 2.99
Pink Crush Blaster 20.99	Scootaloo 10.99	Lady Antebellum .99

Requirements

- Comment your code!!!
- Each category will have its own form to select products which are added to a ListBox (cart) on the startup form
- Use a minimum of 5 forms (startup, about, 3 category)
 - Forms must be appropriately named
 - The About form is Modeless, all other forms are Modal
- Include a Context Menu listing at least 3 options
- Use a module to handle code that is used in the three category forms
- Use any categories and items you want but stay with the price schedule used in the example
- Use appropriate Visual Basic naming conventions for forms, labels, variables, etc.

Specifications

- Startup Form (Figure 1)
 - ListBox to hold every item the user selects from the category forms
 - Remove button to remove a selected item from the listbox and update labels
 - Labels
 1. Subtotal
 2. Tax
 3. Shipping
 4. Total
 5. Number of items in Cart
 - Shipping Checkbox – if selected, shipping charges are applied to the total (shipping IS NOT taxed)
 1. 1-3 items add \$9
 2. 4-6 items add \$6
 3. 7+ items is FREE SHIPPING
 - MenuStrip (instead of buttons) to perform program operations – it should be responsive to keyboard shortcuts
 1. File
 1. Clear
 2. Remove
 3. (Separator Bar)
 4. Exit
 2. Products
 1. Nerf
 2. My Little Pony
 3. Music
 3. Help
 1. About
- About Form (Figure 2)
 - Needs an image of you
 - Short blurb about yourself...one line is fine. Can be your major, hobby, favorite basket weaver...whatever
- Category Forms (Minimum 3)
 - You choose the design, you choose the categories, and you choose the products
 - Each Category form will have no less than three items to choose from. For example, a music category could have the CD's Taylor Swift, Bon Jovi, and Owl City. A My Little Pony category could have the toys Pinkie Pie, Rainbow Dash, and Twilight Sparkle, etc.
 - When a user selects an item(s), the selected item(s) are added to the ListBox on the startup form and all labels (SubTotal, Tax, etc.) are updated.
 - You can decide how an item is selected, but you have to use at least two different methods of selecting item(s)
- Tax rate is .07

Hints:

- Start small, one task at a time...begin with adding a selection from one form to the ListBox in the startup form
- Only work with 1 category form at first and get that working...category form operation is nearly identical to on another
- You can access labels, variables, ListBoxes, etc. on other forms by:


```
form1.lblSubtotal.Text = dblSubTotal.ToString("c")
```
- Look for repeating code...that's a hint that it belongs in a module
- Tax and total are both functions of subtotal
 - $\text{Tax} = \text{subtotal} * .07$
 - $\text{Total} = \text{subtotal} + \text{tax} + \text{shipping}$
- Update startup form labels in a module Before you start programming, consider how you are going to relate an item's price to the item...this will be really important when you want to update totals and remove items