Milestone 2

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CST-150: C# Programming I

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Video Link:

https://www.loom.com/share/fecaca9f0dbe4b3ea09c7bd2d55858e4?sid=064cbc30-410b-4a0e-bcfb-3d73688c693e

Github: https://github.com/Ian-McConihay/CST-150

What was challenging?

My HVAC was broke all week and my power was out until Sunday so I could only get so much done.

What did you learn?

Binding different components.

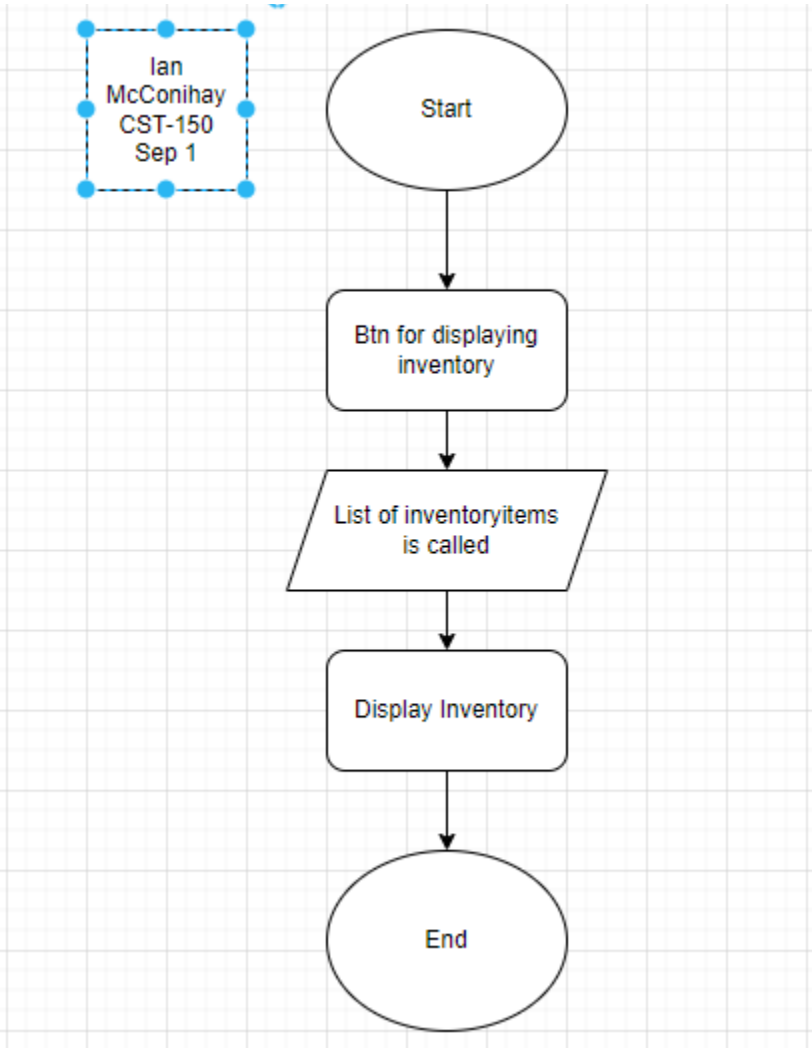
How would you improve on the project?

I would give more styling to the inventory display.

How can you use what you learned on the job?

Creating model classes to be used to store data is used consistently in programming.

Figure 1: FlowChart



At the start of this application will open to a button for the user to click and persist a list of inventory items. This is obviously a huge cutback from Milestone 1. This updated version is what the application currently is capable of. The ideal is to come back to the first flowchart for the final project.

Figure 2: UML InventoryItem

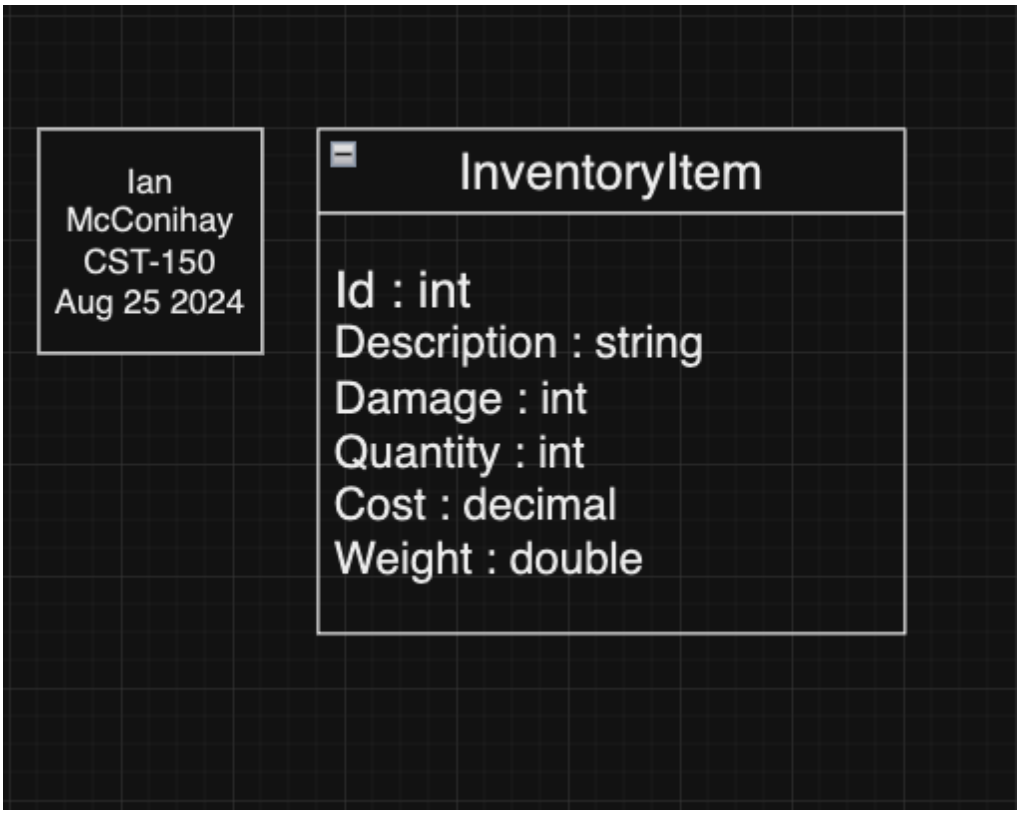
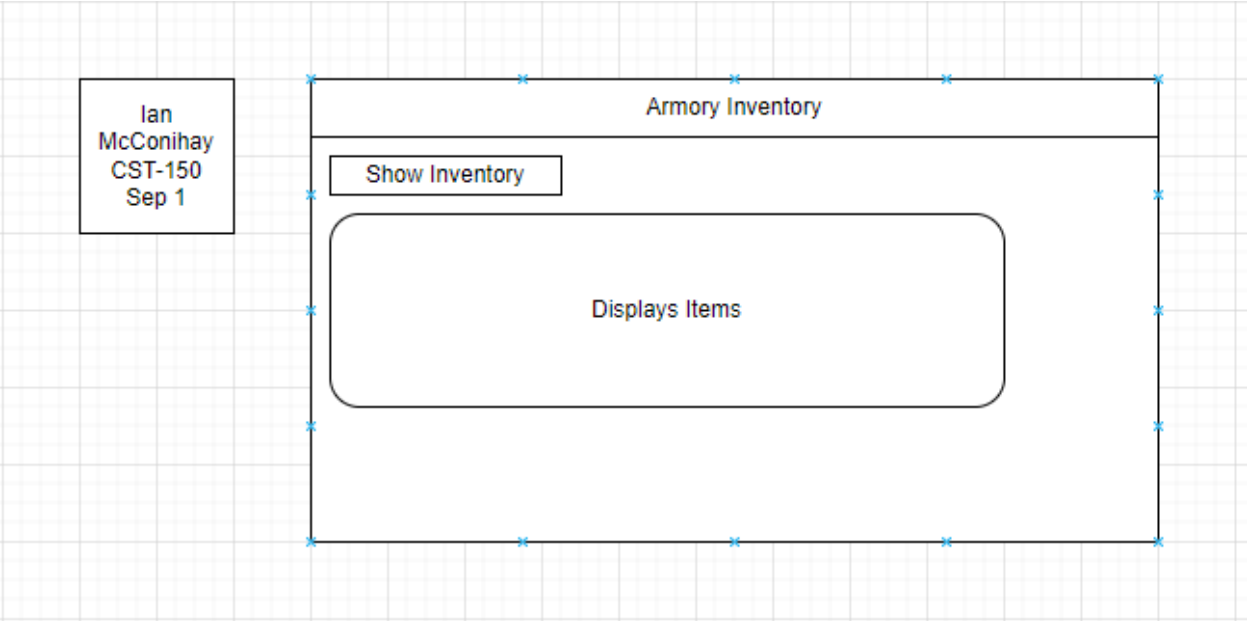


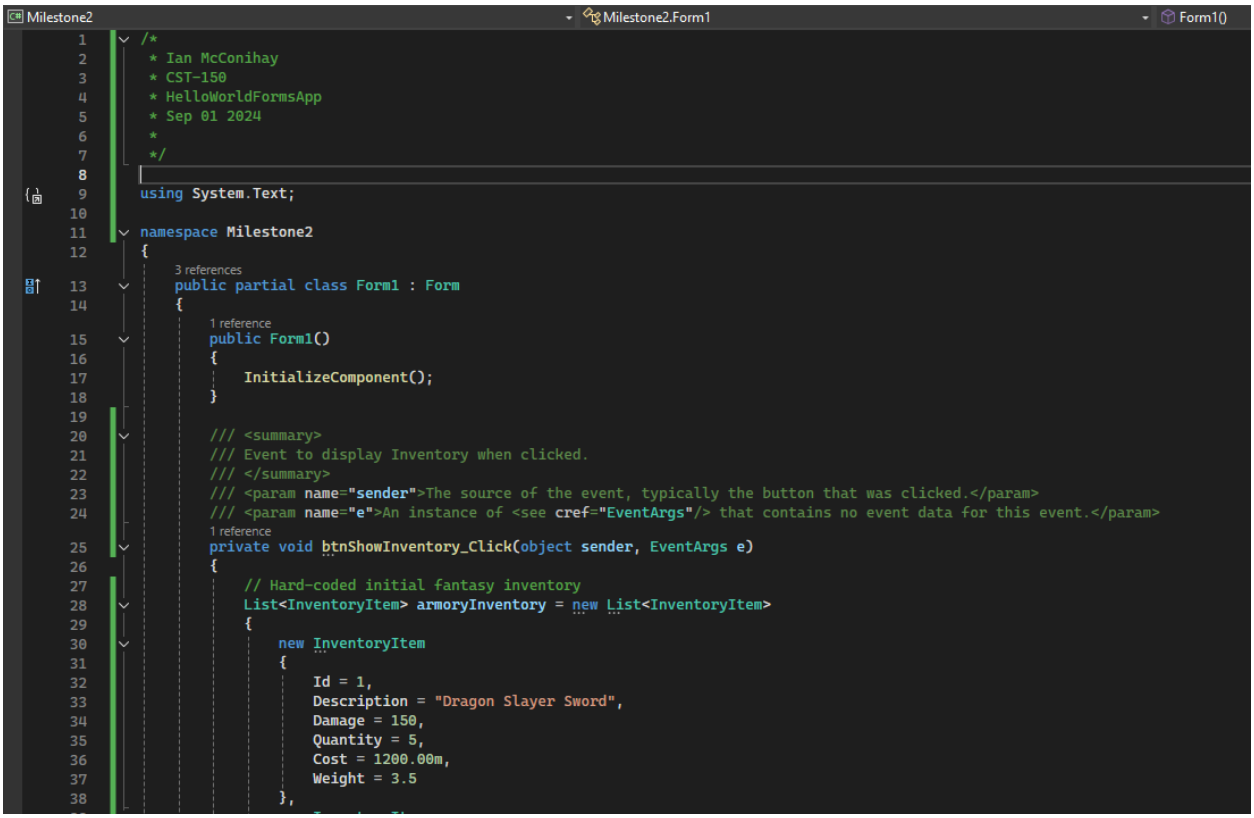
Figure 3: Wireframe



The updated wire frame has a handful of changes. The form has a name when displayed for the user. The button shows inventory is located above where the list will be displayed as a list of inventory objects.

Application Screenshots

Figure 4: Code



For figure 4 we start off with the citation at the top. I have a btnShowInventory_Click method that causes the inventory display even to take place. A hard coded list of InventoryItem models displays using a string builder.

Figure 5: Code

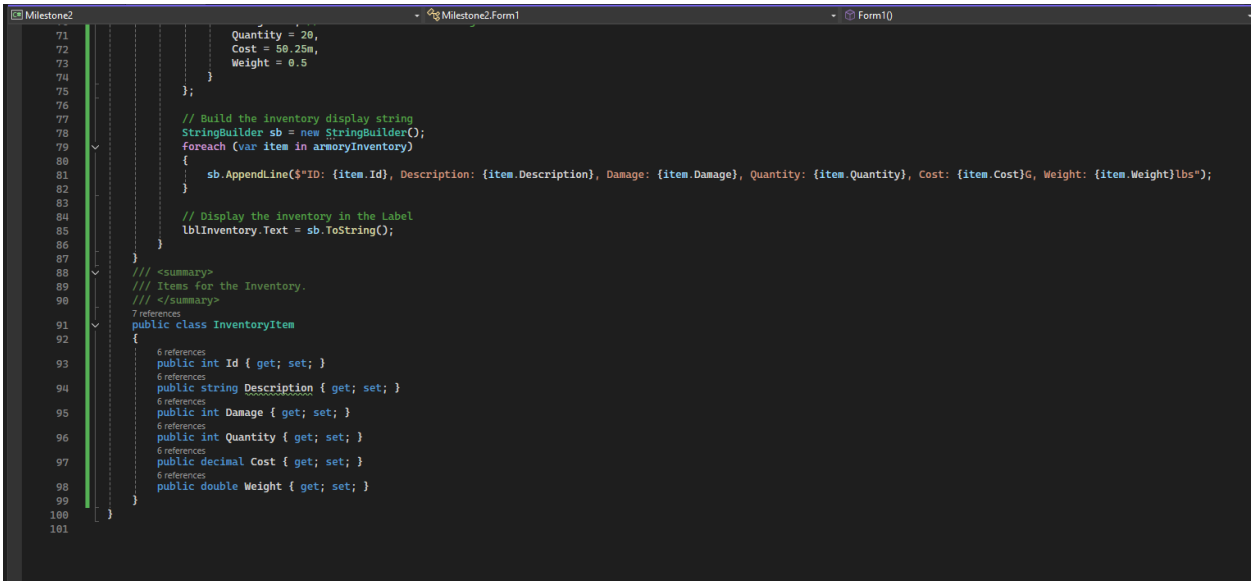
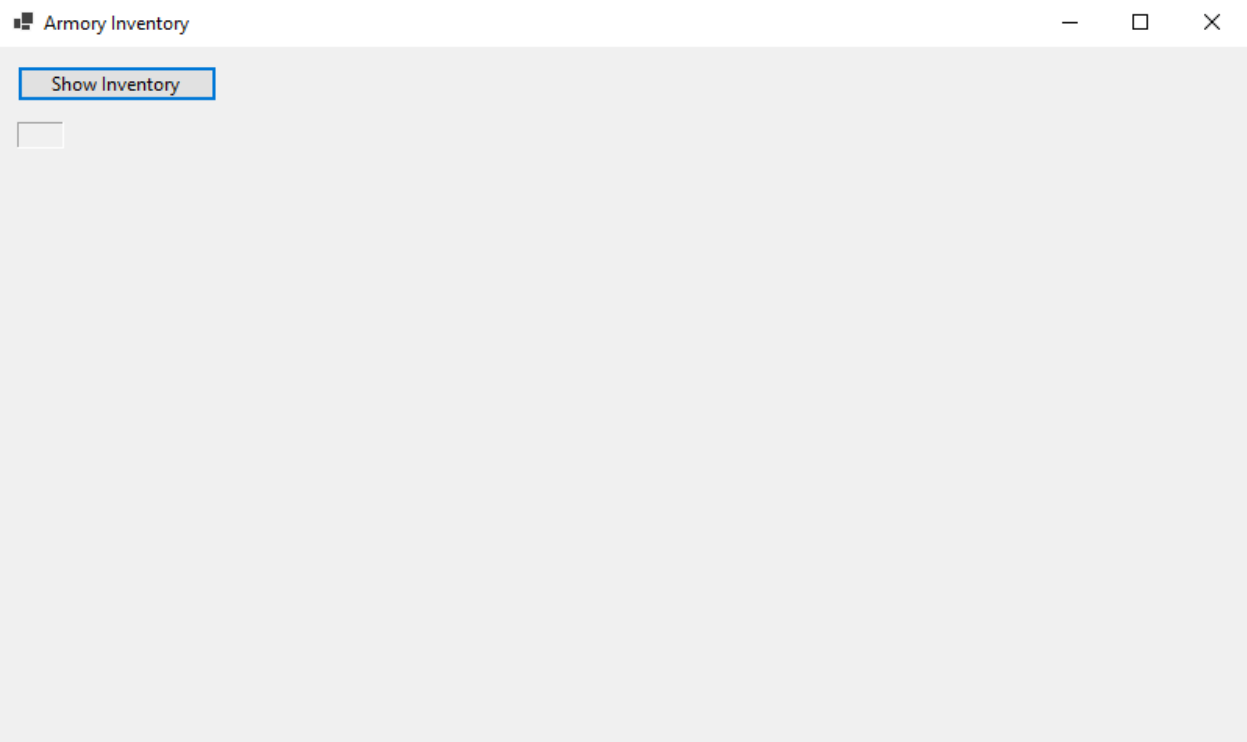


Figure 5 has the string builder iterating through the List and appending each line of the objects made. After the iteration is preformed the lblInventory text is modified to display the stringbuilder. The InventoryItem object class is at the bottom of the main class just as my uml object described.

Figure 6: Application Start



The start of the application displays the button and a blank label. From here I can also point out that I changed the Form1 Text to display as Armory Inventory. I also used a border for the label to give the UI more depth.

Figure 7: Application Display Inventory/End

After clicking the button, the inventory list is displayed. For futre development the ID will be hidden from the viewer. I will also be adding the table as I had in my Milestone 1 wireframe.

Bug Reports

Bug Report

Class name

Method name :

Steps to reproduce the bug:

Expected results

Actual results

details: N/A for milestone 1

Solution

1. List your computer specs (type of computer, OS, memory, etc)

Device name	DESKTOP-IAQ5CCD
Processor	Intel(R) Core(TM) i5-8265U CPU @ 1.60GHz 1.80 GHz
Installed RAM	8.00 GB (7.88 GB usable)
Device ID	A0AC8D02-4885-4491-B27B-B40F0A0D2E35
Product ID	00356-02139-31547-AAOEM
System type	64-bit operating system, x64-based processor
Pen and touch	Touch support with 10 touch points

2. Create 3 test cases

Button Click Displays Inventory: Verifies that the button correctly updates the Label with inventory details.

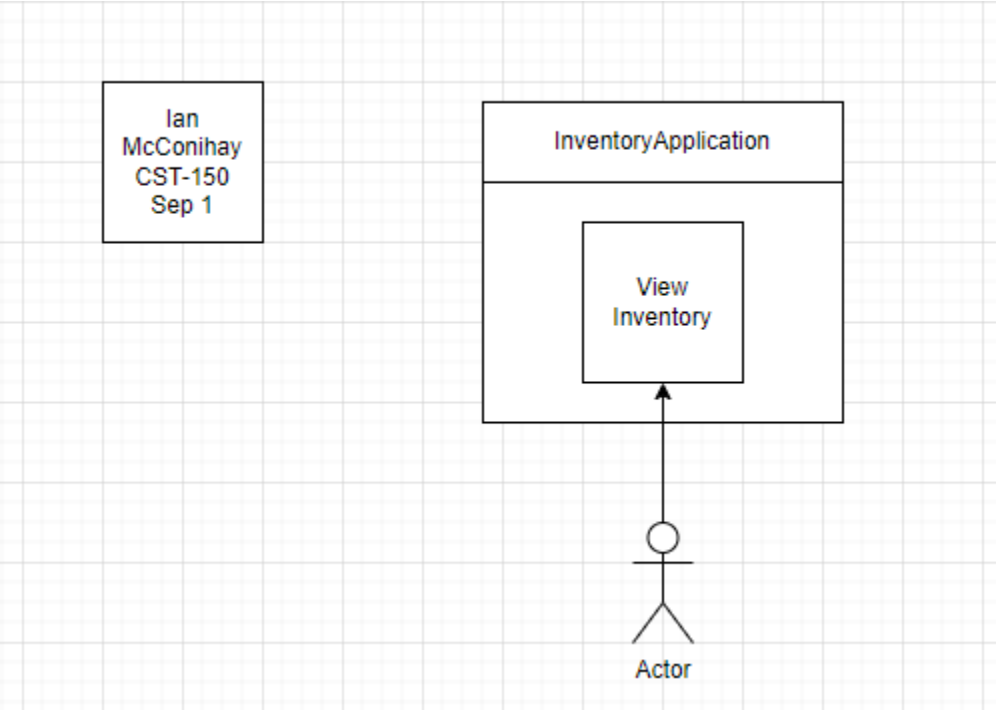
Label Initialization: Ensures that the Label starts in the correct initial state before user interaction.

Verify Inventory Content Format: Confirms that the displayed inventory information is formatted correctly.

3. List 3 Programming conventions that will be used all milestones

Naming, Format, and Documentation Conventions

4. Create Use case diagram



System Boundary: Representing the WinForms application.
Use Case: "View Inventory" indicating the functionality provided by the application.
Actor: "User" who interacts with the system to view the inventory.

Monday
Start: 900pm End: 9:30pm Activity: Read announcements
Start: 930pm End: 1030 Activity: DQ1 and DQ 2
Start: 1030pm End: 1100pm Activity: Read Book
Tuesday
Start: 900pm End: 9:30pm Activity: Participation post
Start: 930pm End: 1030 Activity: Activity
Start: 1030pm End: 1100pm Activity: Read Book
Wednesday
Start: End: Activity: N/A
Start: End: Activity: N/A
Start: End: Activity: N/A

Thursday
Start: 900pm End: 9:30pm Activity: Participation post
Start: 930pm End: 1030 Activity: Activity
Start: 1030pm End: 1100pm Activity: Read Book
Friday
Start: 900pm End: 9:30pm Activity: Participation post
Start: 930pm End: 1030 Activity: Milestone
Start: 1030pm End: 1100pm Activity: Read Book
Saturday
Start: 900pm End: 9:30pm Activity: Milestone
Start: 930pm End: 1030 Activity: Milestone
Start: 1030pm End: 1100pm Activity: Read Book
Sunday
Start: 900pm End: 9:30pm Activity: Activity 2
Start: 930pm End: 1030 Activity: Milestone
Start: 1030pm End: 1100pm Activity: Read Book