Webstore Cart

**Software Engineering
ITSC-3155
Final Project Report**

**Group 28
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Introduction

- For our project, we decided to enhance the Invoice.py class given to us in lab 2
- Previously, this class acted as a system to keep track of the price of an item, along with the various modifiers to that price (tax, markups, etc)
- The enhancements we made essentially turned the Invoice.py class into a webstore cart, where multiple items could be added and kept track of

Design Use Case

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{WebstoreInvoice Cart}

Date: _____4/15/20_____
Version:

USE CASE NAME:	Webstore Invoice Cart	USE CASE TYPE	
USE CASE ID:		Business Requirements:	☐
PRIORITY:	High Priority	System Analysis:	☐
SOURCE:	Invoice Lab	System Design:	☑
PRIMARY BUSINESS ACTOR	Business owners,		
PRIMARY SYSTEM ACTOR			
OTHER PARTICIPATING ACTORS:	• Customers, Vendors		
OTHER INTERESTED STAKEHOLDERS:	•		
DESCRIPTION:	Vendors generate invoices that will be sent to customers		
PRE-CONDITION:	Vendors must be allowed customization for each field		
TRIGGER:	Vendor runs Invoice cart program		

TYPICAL COURSE OF EVENTS:	Actor Action	System Response
	Step 1: Vendor runs invoice program	**Step 2:** In terminal, project displays input fields
	Step 3: Vendor input information one product at a time.	Step 4: Before adding to function project shows each product to verify correctness.
	Step 5: Vendor verifies products until invoice is complete	Step 5: In terminal, program produces an Invoice PDF
	Step 6: Vendor can save, print or send PDF to customer.	

ALTERNATE COURSES:	Invalid inputs to terminal,
	Misspelled inputs
	Inputs wrong product information

CONCLUSION:	A vendor can input product information, and customer information to generate an invoice. The vendor can view edit and add to the invoice at any time before generating the invoice.
POST-CONDITION:	Customers are sent invoices to know what their payments is and what they are paying for
BUSINESS RULES:	• Data stored such as prices, products, and customer info is kept private
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS	• Website or GUI should be implemented for better front-end outcome
ASSUMPTIONS:	• Vendors has all information needed before attempting to generate invoice
OPEN ISSUES:	

Added Functions

- Add multiple items

- Updated GUI

- Edit items

Demonstration

Summary

- This projects displays the functions necessary for a cart of an online store, which is essential to any webstore.
- In the future, an windowed GUI should be implemented to simplify the process for users.