## CSCI 150 – Spring 2013 Introduction to Object Oriented Programming Michael H. Goldwasser Saint Louis University

Friday, 22 March 2013

Handout: Quiz 8

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Consider the following beginning to a ShoppingCart class, nothing that the contents of the cart are stored internally within a list of (item,price) tuples.

You are to provide an implementation of a method, subtotal, that computes and returns the sum of the prices of all items currently in the cart.

## class ShoppingCart:

```
def __init__(self):
    self._contents = []  # cart is initially empty

def add(self, item, price):
    self._contents.append( (item,price) )  # add one tuple to the list

def subtotal(self):
    total = 0
    for pair in self._contents:
        total += pair[1]
    return total
```