

# CS162 Project 1

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## Goals for This Project:

- Simple data modeling
- Data input/output and data validation
- Flow control: if/else and loops

## Problem You Need to Solve for This Lab:

Have you ever been low on cash and couldn't go beyond a certain dollar limit when shopping? You sort of need a calculator in your head. It would be cool if a device was actually part of the cart and as you add an item into the cart it would increment your total counter. To solve this, we are going to write a program that keeps a tally of the amount that we have spent so far as we visit a store.

## What Your Program Should Do:

1. Allow the shopper (user) to enter in the product name and the cost. This should be echoed and confirmed. Make sure to check for bad data.
2. The user should be allowed to continue this until they want to check out.
3. Your program needs to keep a running total.
4. Upon checkout, the grand total should be displayed.
5. Display money using proper formatting. You will need to have the following before displaying dollars and cents:

```
cout.setf(ios::fixed, ios::floatfield);  
cout.setf(ios::showpoint);  
cout.precision(2);
```