# Shopping Basket Receipt (problem 1)

## Objective

Create a program to generate a receipt for a shopping cart.

## Given

The program may accept input from various sources; it is a choice for the developer. The input to the program includes: product description, product price, product quantity and location of the purchase. All other information, such as tax rates and product categories, is not part of the input and can be stored within the program or as part of configuration settings.

The program should calculate sales tax based on the location of the customer (consider only US states) and product category. Tax is calculated based on subtotal and should be rounded up to the nearest 0.05 (e.g. 1.13->1.15, 1.16->1.20)

## Output

Program should generate a receipt with all items purchased and include description, price and quantity.

## Tax rates

In California (CA), sales tax is applicable at a rate of 9.75% on all goods except food.

In New Jersey (NJ), general sales tax rate is 7.00%, food and clothing are exempt.

**Implement the application in your preferred way, Should have unit tests with presentable UI.**

## Use case 1:
Input: Location: CA, 1 book at 12.99, 1 potato chips at 3.99

Output

```
item                price           qty

book                $12.99           1
potato chips         $3.99           1
subtotal:                          $16.98
tax:                                $1.30
total:                             $18.28
```

## Use case 2:
Input: Location: NJ, 1 book at 12.99, 3 music cds at 9.99

Output:

```
item                price           qty

book                $12.99           1
music cd             $9.99           3
subtotal:                          $42.96
tax:                                $3.05
total:                             $46.01
```

## Use case 3
Input: Location: NJ, 2 music cds at 9.99, 1 sweater at 29.99

Output:

```
item                price           qty

music cd             $9.99           2
sweater             $29.99           1
subtotal:                          $49.97
tax:                                $1.40
total:                             $51.37
```