**Developer Exercise**

**Recruitment**

Basic exercise

● Use TDD

● Use Git and tag commits (e.g. after step 1)

Complete the steps in order. Don’t read ahead.

At each step build the simplest possible solution which meets our requirement.

Tag a git commit after each step so that your approach is clear.

Scenario

Cafe X menu consists of the following items:

● Cola - Cold - 50p

● Coffee - Hot - £1.00

● Cheese Sandwich - Cold - £2.00

● Steak Sandwich - Hot - £4.50

Customers don’t know how much to tip and staff need tips to survive!

Step 1 : Standard Bill

Pass in a list of purchased items that produces a total bill.

e.g. [“Cola”, “Coffee”, “Cheese Sandwich”] returns 3.5

Step 2: Service Charge

Add support for a service charge :

● When all purchased items are drinks no service charge is applied

● When purchased items include any food apply a service charge of 10% to the total bill

(rounded to 2 decimal places)

● When purchased items include any hot food apply a service charge of 20% to the total bill

with a maximum £20 service charge