

VITU Coding Test

Code can be written in any version on Visual Studio (2017 preferred). Please attach the entire project solution and detail instruction about how to run the application along with the expected output in your response.

Test 1

In this exercise you will be creating an application that keeps track of your monthly budget. Use the bank statement (attached csv file) to analyze your monthly spending. You want to see how much you pay in monthly bills. Certain strings in the transaction name indicates that these are used for monthly bills as opposed to other spending. You have identified transaction strings which indicate monthly bills (mortgage, utilities, etc..) as

LTF, Mortgage, Comcast, Bright Horizons, SMART T*SMART TUITION, APL*ITUNES.COM, COWORKERS

Next you need to

1. iterate through the file (transactions.csv)
2. identify transactions that took place within the last 30 days
3. calculate sum for bills and non-bills and print out each of these sums.

Please note:

*Ignore case when checking transactions

*Charges in the download are negative - so the sums should be negative as well

*Feel free to use design patterns along with TDD on this question.

Test 2

Write a Web API that takes a user name as an input and gives sum of ASCII values of the name as response (.net core is preferred).