Group 17 Introduction to Computing Assignment

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Pseudocode for Service Portfolio

1. # Service Portfolio
2. String: product\_name
3. Int: product\_price, quantity\_of\_product\_sold, manufacturing\_cost, totalReturns
4. totalReturns = 0
5. START
6. Enter product\_name, product\_price, quantity\_of\_product\_sold, manufacturing\_cost
7. valueOfReturns()
8. if totalReturns < 0:
9. print (product\_name, quantity\_of\_product\_sold, totalReturns, “Transactions not profitable”)
10. else:
11. print (product\_name, quantity\_of\_product\_sold, totalReturns, “Transactions are profitable”)
12. Endif
13. END
14. totalAmountsold(val1, val2){
15. valueOfAmountsold = quantity\_of\_product\_sold \* product\_price
16. Return valueOfAmountsold}
17. valueOfReturns(val3, val4){
18. totalReturns = manufacturing\_cost – valueOfAmountsold
19. Return totalReturns}

Flow Chart for Service Portfolio

NO

YES

If total\_returns<0

valueOfReturns()

Enter manufacturing\_cost

Enter quantity \_of\_product\_sold

Enter product\_name

Enter product\_name

Print (product\_name. quantity-of\_ptoduct-sold, Totalreturns, “Transactions not profatible”

1

1

Print (product\_name, quantity\_of\_product\_sold, TotalReturns, “Transactions Profitable”)

Pseudocode for Employee Records

1. # Employee Records
2. String: action
3. Int: Employee\_ID
4. START
5. Employee\_Records = Required records
6. Enter Employee\_ID, action
7. If action = “print records”
8. Then printRecords()
9. Else if action = “update”
10. Then updateRecords()
11. Else
12. Print “Invalid entry”
13. Endif
14. Endif
15. END
16. printRecords(value1){
17. if value1 = “print records”
18. Then Return Employee\_Records}
19. updateRecords(value1){
20. if value1 = “update”
21. Then grant user administrative access to employee database}

Flow Chart for Employee Records

Enter Employee\_ID

Enter action

If action = “print records”

Print\_records()

YES

NO

If action = “update”

YES

updateRecords()

1

NO

1

Print ‘’ invalid\_entry”

Pseudocode for Customer Relationship Management Database

1. #Customer relationship Management Database
2. String: customer\_name
3. Int: customer\_ID, customer\_cellphone\_number, no\_of\_customers\_this\_month
4. START
5. Enter customer\_name, customer\_cellphone\_number, customer\_ID
6. DOWHILE NOT EOF
7. Read customer\_name, customer\_cellphone\_number, customer\_ID
8. Enddo
9. Print “Customer Records” customer\_name, customer\_cellphone\_number, customer\_ID
10. Prompt for no\_of\_customers\_this\_month
11. Get no\_of\_customers\_this\_month
12. numberOfCustomerReturn()
13. END
14. numberOfCustomerReturn(val1)
15. If no\_of\_customers\_this\_month < 0 then
16. Return “Out of business”
17. Else
18. Return “Still in business”
19. Endif}

Customer Relationship Management Database

YES

Prompt for no\_of\_customers\_this\_month

1

YES

Print “Customer Records” customer\_name, customer\_cellphone\_number, customer\_ID

Enter customer\_ID

Enter customer\_cellphone\_number

Enter customer\_name

If END\_OF\_FILE = NO

Read customer\_name, customer\_cellphone number, customer\_ID

Get no\_of\_customers\_this\_month

1

numberOfCustomerReturn()

YES

NO

Return “still in business “

Return “out of business”

If no\_of\_customers\_this\_month < 0