**Test For GasMenu**

**Ref#1: No existing Customer Test (Choose option 2)**

Test 1 – No existing Customer Test – Choose option 2

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 2

Enter Amount To Deposit: 10

Error - Create Customer First - Option 1

**Ref#2: No existing customer – Test (choose option 3)**

Test 2 – No existing customer – Choose option 3

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 3

Enter Units Used: 6000

Error - Create Customer First - Option 1

**Ref#3:No existing customer – Test (choose option 4)**

Test 3 – No existing customer Test – Choose option 4

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 4

Error - Create Customer First - Option 1

**Ref#4: No existing customer – Test (choose option 5)**

Test 4 – No existing customer Test – choose option 5

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 5

Error - Create Customer First - Option 1

**Ref#5: No existing customer – Test (choose option 6)**

Test 5 – No existing customer Test – choose option 6

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 6

Enter New Discount Rate: 12

Error - Create Customer First - Option 1

**Ref#6: No existing customer – Test (choose option 7)**

Test 6 – No existing customer Test – Choose option 7

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 7

Enter New Cost Per Unit: 0.08

Error - Create Customer First - Option 1

**Ref#7: Create New Customer – VALID Test (choose option 1)**

Test 7 – Create New Customer Test – VALID - choose option 1

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 1

Enter Reference Number: 12345

Customer Reference No: 12345

Enter Customer Name: John O Neill

Customer Name: John O Neill

Enter Customer Address: 33 Wellwood Street

Customer Address: 33 Wellwood Street

Enter Units Used: 6000

Current Units Used: 6000.0

Enter Discount: 10

Customers Discount: 10.0%

**Ref#8:Deposit An Amount VALID**

Test 8 – Deposit An Amount

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 2

Enter Amount To Deposit: 10

Remaining Balance £ 110.0

**Ref#9:Deposit An Amount ZERO**

Test 9 – Deposit An Amount

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 2

Enter Amount To Deposit: 0

Remaining Balance £ 110.0

**Ref#:10 Deposit An Amount NEGATIVE**

Test 10 – Deposit An Amount

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 2

Enter Amount To Deposit: -10

Remaining Balance £ 110.0

**Ref#11: Enter Units Used VALID**

Test 11 – Enter No Of Units Used

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 3

Enter Units Used: 2000

Balance With Discount £ 146.0

**Ref#12: Enter Units Used ZERO**

Test 12 – Enter No Of Units Used

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 3

Enter Units Used: 0

Balance With Discount £ 146.0

**Ref#13: Enter Units Used NEGATIVE**

Test 13 – Enter Units Used

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 3

Enter Units Used: -400

Balance With Discount £ 146.0

**Ref#:14 Display Balance**

Test 14 – Display Balance

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 4

Your Balance £ 146.0

**Ref#15: Display Full Account Details**

Test 15 – Display Full Account Details

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 5

Customer Reference No: 12345

Customer Name: John O Neill

Customer Address: 33 Wellwood Street

Current Discount: 10.0%

Current Units: 6000.0

Customer Balance £ 146.0

**Ref#16:Amend Discount Test VALID**

Test 16 – Amend Discount

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 6

Enter New Discount Rate: 12

New Discount Rate: 12.0%

**Ref#17:Amend Discount Test ZERO**

Test 17 – Amend Discount Test ZERO

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 6

Enter New Discount Rate: 0

New Discount Rate: 12.0%

**Ref#18:Amend Discount Test NEGATIVE**

Test 18 – Amend Discount Test Negative

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 6

Enter New Discount Rate: -2

New Discount Rate: 12.0%

**Ref#19: Amend Cost Per Unit VALID**

Test 19 – Amend Cost Per Unit Valid

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 7

Enter New Cost Per Unit: 0.09

New Unit Cost £ 0.09

**Ref#20: Amend Cost Per Unit ZERO**

Test 20 – Amend Cost Per Unit Zero

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 7

Enter New Cost Per Unit: 0

New Unit Cost £ 0.0

**Ref#21: Amend Cost Per Unit VALID**

Test 21 – Amend Cost Per Unit Valid

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 7

Enter New Cost Per Unit: 0.07

New Unit Cost £ 0.07

**Ref#22: Amend Cost Per Unit NEGATIVE**

Test 22 – Amend Cost Per Unit Negative

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 7

Enter New Cost Per Unit: -0.03

New Unit Cost £ 0.07

**Ref#23: Help For User Test**

Test 23 – Help For User Test

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

**Enter choice: 8**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Help For User\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*Creating A Business Account Customer\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*See Menu Choice Options 1 - 9\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*Customer Must Be Created First By Choosing Option 1\*\*\*\*\***

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Create New Customer\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

Enter Choice: 1

Press Enter

Enter Reference Number - e.g '10284'

Press Enter

Enter Full Name Of Custmer - e.g 'John Taylor'

Press Enter

Enter Customer Address - e.g '28 Farnam Road'

Press Enter

Enter Units Used - e.g '5468.0'

Press Enter

Enter Discount - e.g '12.5'

Press Enter

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Deposit An Amount\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 2

Press Enter

Enter The Amount The Customer Wants To Pay Of Their Balance - e.g '25.0'

Press Enter

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Enter Units Used\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 3

Press Enter

Enter The Amount Of Units That Customer Has Used - e.g '3784.0'

Press Enter

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Display Balance\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 4

Press Enter

Balance Will Be Displayed

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Display Full Account Details\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 5

Press Enter

Customer Details Will Be Displayed

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Amend Discount\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 6

Press Enter

Enter The Discounted Rate, e.g - '12.5

Press Enter

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Amend Cost Per Unit\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 7

Press Enter

Enter The New Cost Per Unit, e.g - '0.39

Press Enter

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Help For User\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 8

Press Enter

Read Information On Each Option

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Exit\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Enter Choice: 9

Press Enter

This Will Exit The Program

**Ref#24:Exit TEST**

Test: 24 Exit Test

Option 1 : Create New Customer

Option 2 : Deposit An Amount

Option 3 : Enter Units Used

Option 4 : Display Balance

Option 5 : Display Full Account Details

Option 6 : Amend Discount

Option 7 : Amend Cost Per Unit

Option 8 : Help For User

Option 9 : Exit

Enter choice: 9

Exited Business Account