# CS 589 **PROJECT** ROSHNI MASAND A20355488

### **Table Of Contents:**

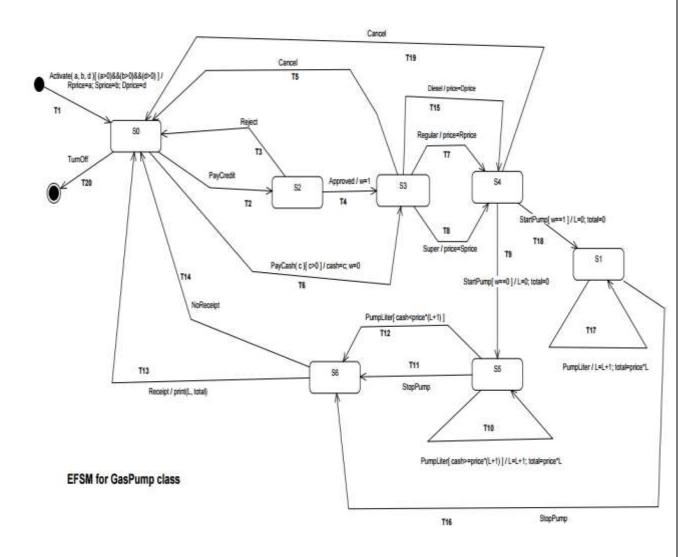
- 1. Model-based Testing for GasPump Class
- 2. Testing default (ghost) transitions of the GasPump class
- 3. Multiple Condition testing
- 4. Test Suit and Results of its Execution
- 5. Conclusion
- 6. Source Code for:
  - a. GasPump.java
  - b. TestDriver.java

#### INTRODUCTION

The aim of this project is to perform the class and model – based testing on the GasPump.java class and design a test suite to perform Transition Pair Testing, Ghost Transition testing and multiple condition testing. A Test Driver also has to be designed for testing purposes.

Test cases for Transition Pair Testing, Default (Ghost) Transition Testing and Multiple Condition Testing have been designed and checked below.

The EFSM for the Gas Pump is given below.



#### 1. MODEL BASED TESTING FOR GasPump CLASS:

Model based testing methods are applied on state based models which are drawn from specifications to design Test suites. A state based model can be a Fine state machine, extended finite state machine, virtual finite state machine.

#### **Transition Pair Testing:**

A state transition diagram consists of a set of states and transitions. When an Event/Action takes place there occurs a transition from one state to other/itself. In transition pair testing each 'transition pair' must be traversed at least once.

There are total 6 states in the EFSM. The input, output transitions and transition pairs for each state are shown in the table below.

STATE	INPUT TRANSITION	OUTPUT TRANSITION	TRANSITION PAIRS
S0	T1, T19, T5,T3,T4,	T20, T2, T6	(T1,T20), (T1,T2), (T1,T6),
	T13		(T19,T20),(T19,T2), (T19,T6),
			(T5,T20), (T5,T2), (T5,T6),
			(T3,T20), (T3,T2), (T3,T6),
			(T14,T20), (T14,T2),(T14,T6),
			(T13,T20), (T13,T2),(T13,T6)
S1	T18,T17	T16, T17	(T18,T16), (T18,T17),
			(T17,T16), (T17,T17)
S2	T2	T3, T4	(T2,T3), (T2,T4)
S3	T4, T6	T5, T15, T7, T8	(T4,T5), (T4,T15), (T4,T7), (T4,
			T8),
			(T6,T5), (T6,T15), (T6,T7),
			(T6,T8)
S4	T7, T8, T15	T19, T18, T9	(T7,T19), (T7,T18), (T7,T9),
			(T8,T19), (T8,T18), (T8,T9),
			(T15,T19),(T15,T18),(T15,T9)
<b>S</b> 5	T9, T10	T10, T11, T12	(T9,T10), (T9,T11), (T9,T12),
			(T10,T10),(T10,T11),(T10,T12)
S6	T11, T12, T16	T13, T14	(T11,T13), (T11,T14),
			(T12,T13), (T12,T14),
			(T16,T13), (T16,T14)

The following are the states and the input and output transitions along with the test case numbers of the test suite that satisfy the transitions. For the Test cases and the results refer to section 4.

Also, the new transitions covered by each test case are highlighted in Bold.

Test#1: Activate (4.1,5.0,6,0) PayCredit() Approved() Super() StartPump() PumpLiter() StopPump() Receipt() TurnOff()

Transation: T1, T2, T4, T8, T18, T17, T16, T13, T20

Transition Pairs Covered: (T1,T2), (T2,T4), (T4,T8), (T8,T18), (T18,T17), (T17,T16), (T16,T13),

(T13,T20)

#### Test#2: Activate(4.1,5.0,6.0) TurnOff()

Transition: T1, T20

Transition Pair Covered: (T1,T20)

#### Test#3: Activate(4.1,5.0,6.0) PayCash(10.0) Cancel() TurnOff()

Transition: T1, T6, T5, T20

Transition Pairs Covered: (T1,T6), (T6,T5), (T5,T20)

## Test#4: Activate(4.1,5.0,6.0) PayCredit() Approved() Diesel() Cancel() TurnOff()

Transition: T1, T2, T4, T15, T19, T20

Transition Pairs Covered: (T1,T2), (T2,T4), (T4,T15), (T15,T19), (T19,T20)

# Test#5: Activate(4.1,5.0,6.0) PayCredit() Approved() Regular() Cancel() PayCredit() Reject() TurnOff()

Transition: T1, T2, T4, T7, T19, T2, T3, T20

Transition Pairs Covered: (T1,T2), (T2,T4), (T4,T7), (T7,T19), (T19,T2), (T2,T3), (T3,T20)

# Test#6: Activate(4.1,5.0,6.0) PayCredit() Approved() Super() Cancel() PayCash(10.0) Cancel() TurnOff()

Transition: T1, T2, T4, T8, T19, T6, T5, T20

Transition Pairs Covered: (T1,T2), (T2,T4), (T4,T8), (T8,T19), (T19,T6), (T6,T5), (T5,T20)

# Test#7: Activate(4.1,5.0,6.0) PayCash(10.0) Cancel() PayCredit() Approved() Diesel() StartPump() StopPump() NoReceipt() TurnOff()

Transition: T1, T6, T5, T2, T4, T15, T18, T16, T14, T20

Transition Pairs Covered: (T1,T6), (T6,T5), **(T5,T2)**, (T2,T4), (T4,T15), **(T15,T18), (T18,T16)**, **(T16,T14)**, **(T14,T20)** 

# Test#8: Activate(4.0,5.0,3.0) PayCredit() Approved() Cancel() PayCash(6.0) Diesel() StartPump() PumpLiter() PumpLiter() StopPump() Receipt() TurnOff()

Transition: T1, T2, T4, T5, T6, T15, T9, T10, T10, T11, T13, T20

Transition Pairs Covered: (T1,T2), (T2,T4), (T4,T5), (T5,T6), (T6,T15), (T15,T9), (T9,T10), (T10,T10), (T10,T11), (T11,T13), (T13,T20)

#### Test#9: Activate(4.1,5.0,6.0) PayCredit() Reject() PayCredit() Reject() TurnOff()

Transition: T1, T2, T3, T2, T3, T20

Transition Pairs Covered: (T1,T2), (T2,T3), (T3,T2), (T2,T3), (T3,T20)

# Test#10: Activate(4.0,5.0,3.0) PayCredit() Reject() PayCash(3.0) Regular() StartPump() PumpLiter() Receipt() TurnOff()

Transition: T1, T2, T3, T6, T7, T9, T12, T13, T20

Transition Pairs Covered: (T1,T2), (T2,T3), (T3,T6), (T6,T7), (T7,T9), (T9,T12), (T12,T13), (T13,T20)

# Test#11: Activate(4.0,5.0,3.0) PayCash(2.0) Super() StartPump() PumpLiter() NoReceipt() PayCredit() Reject() TurnOff()

Transition: T1, T6, T8, T9, T12, T14, T2, T3, T20

Transition Pairs Covered: (T1,T6), (T6,T8), (T8,T9), (T9,T12), (T12,T14), (T14,T2), (T2,T3),

(T3,T20)

# Test#12: Activate(4.1,5.0,6.0) PayCredit() Approved() Regular() StartPump() PumpLiter() PumpLiter() StopPump() NoReceipt() PayCash(10.0) Cancel() TurnOff()

Transition: T1, T2, T4, T7, T18, T17, T17, T16, T14, T6, T5, T20

Transition Pairs Covered: (T1,T2), (T2,T4), (T4,T7), **(T7,T18)**, (T18,T17), **(T17,T17)**, (T17,T16), (T16,T14), **(T14,T6)**, (T6,T5), (T5,T20)

# Test#13: Activate(4.0,5.0,3.0) PayCash(6.0) Super() StartPump() PumpLiter() PumpLiter() Receipt() PayCredit() Reject() TurnOff()

Transition: T1, T6, T8, T9, T10, T12, T13, T2, T3, T20
Transition Covered: (T1,T6), (T6,T8), (T8,T9), (T9,T10), (T10,T12), (T12,T13), (T13,T2), (T2,T3), (T3,T20)

# Test#14: Activate(4.0,5.0,3.0) PayCash(1.0) Regular() StartPump() StopPump() Receipt() PayCash(4.0) Cancel() TurnOff()

Transition: T1, T6, T7, T9, T11, T13, T6, T5, T20

Transition Pairs Covered: (T1,T6), (T6,T7), (T7,T9), **(T9,T11)**, (T11,T13), **(T13,T6)**, (T6,T5), (T5,T20)

# Test#15: Activate(4.1,5.0,6.0) PayCash(10.0) Super() StartPump() PumpLiter() StopPump() NoReceipt() TurnOff()

Transition: T1, T6, T8, T9, T10, T11, T14, T20

Transition Pairs Covered: (T1,T6), (T6,T8), (T8,T9), (T9,T10), (T10,T11), (T11,T14), (T14,T20)

## 2. TESTING DEFAULT (GHOST) TRANSITIONS FOR GasPump CLASS:

When the default/ghost transitions are executed there is no change in the state and no action is performed. We need to consider states S0, S1, S2, S3, S4, S5, S6. We have 15 operations that need to be tested for each state. The blue font operations in the test case represent Default Transitions.

STATE	Normal	Ghost Transition	TEST #
Start	Activate(a,b,d)	PayCredit(), Reject(), Cancel(), Approved(), PayCash(c), PumpLiter(), StopPump(),NoReceipt(),Receipt(), TurnOff(),Regular(),Super(),Diesel(), Startpump(),	Test#16
S0	TurnOff() PayCredit() PayCash(c)	Activate(a,b,d),Reject(), Approved(), Cancel(), Paycash(-c), Regular(), Super(), Diesel(), StartPump(), PumpLiter(), StopPump(), NoReceipt(), Receipt(),	Test#16
S1	PumpLiter() StopPump()	StartPump(), Activate(a,b,d), PayCredit(), Reject(), Cancel(), Approved(), TurnOff(), Regular(), Super(), Diesel(), PayCash(c), Receipt(), NoReceipt(),	Test#17
S2	Reject() Approved()	PayCredit(), Activate(a,b,d), Super(), Diesel(), StartPump(), Cancel(), Paycash(c), Regular(),PumpLiter(), StopPump(), NoReceipt(), Receipt(),TurnOff(),	Test#18
\$3	Diesel() Super() Regular() Cancel()	Activate(a,b,d), PayCredit(), PayCash(c), StartPump(), PumpLiter(), StopPump(), Receipt(), NoReceipt(), TurnOff(), Reject(), Approved()	Test#19
S4	StartPump() Cancel()	Activate(a,b,d), Approved(),PayCredit(), PayCash(c), PumpLiter(),StopPump(), StartPump(w!=1&&w!=0)Receipt(), NoReceipt(),TurnOff(), Regular(), Super(), Diesel(), Reject(),	Test#20
S5	PumpLiter() StopPump()	Activate(a,b,d), PayCash(c), Regular(), Super(), Diesel(), PayCredit(), Reject(), Cancel(), Approved(), Receipt(), NoReceipt(), TurnOff(), Startpump(), PumpLiter(1- [ {cash>=price*(L+1)} or {cash <pre>price*(L+1)} ])</pre>	Test#21
S6	NoReceipt() Receipt()	Activate(a,b,d), PayCredit(), Reject(), Cancel(), Approved(),TurnOff(), Startpump(), PumpLiter(), StopPump(),PayCash(c), Regular(),Super(),Diesel(),	Test#22

#### **Test Cases:**

#### Start and State SO:

Test#16: PayCredit() Reject() Cancel() Approved() PayCash(5.0) Regular() Super() Diesel() Startpump() PumpLiter() StopPump() NoReceipt() Receipt() TurnOff() Activate(4.1,5.0,6.0) Activate(4.0,5.0,8.0) PayCash (-10.0) Reject() Cancel() Approved() Regular() Super() Diesel() StartPump() PumpLiter() StopPump() NoReceipt() Receipt() PayCash(10.0) Cancel() TurnOff()

#### State S1:

Test#17: Activate(4.1,5.0,6.0) PayCredit() Approved() Diesel() StartPump()
Activate(2.0,3.0,4.0) PayCredit() Reject() Cancel() StartPump() Approved() PayCash(20.0)
Regular() Super() Diesel() PumpLiter() StopPump() Receipt() TurnOff()

#### State S2:

Test#18: Activate(4.1,5.0,6.0) PayCredit() Activate(4.0,5.0,6.0) PayCredit() PayCash(2.0) Cancel() Regular() Super() Diesel StartPump() PumpLiter() StopPump() NoReceipt() Receipt() TurnOff() Reject() TurnOff()

#### State S3:

Test#19: Activate(4.1,5.0,6.0) PayCash(10.0) Activate(2.0,3.0,5.0) PayCredit() Reject() Approved() PayCash(4.0) StartPump() PumpLiter() StopPump() Receipt() NoReceipt() TurnOff() Cancel() TurnOff()

#### State S4:

Test#20: Activate(4.1,5.0,6.0) PayCredit() Approved() Diesel() Activate(2.0,3.0,4.0)
PayCredit() Approved() Reject() PayCash(3.0) Regular() Super() Diesel() PumpLiter()
StopPump() Receipt() NoReceipt() TurnOff() StartPump() StopPump() Receipt() TurnOff()

#### State S5:

Test#21: Activate(4.1,5.0,6.0) PayCash(20.0) Super() StartPump() Activate(2.0,3.0,4.0) PayCredit() Reject() Cancel() Approved() PayCash(3.0) Regular() Super() Diesel() StartPump() Receipt() TurnOff() PumpLiter() StopPump() Receipt() TurnOff()

#### State S6:

Test#22: Activate(4.1,5.0,6.0) PayCredit() Approved() Diesel() StartPump() StopPump() Activate(2.0,3.0,4.0) PayCredit() Approved() Reject() Cancel() PayCash(3.0) Regular() Super() Diesel() StartPump() PumpLiter() StopPump() TurnOff() Receipt() TurnOff()

# 3. MULTIPLE CONDITION TESTING FOR GasPump CLASS

Multiple Condition Testing is the testing of conditional statements with **complex predicates** (and/or). We then test all the combinations of simple predicates obtained from complex predicates.

Some predicates below are impossible to execute. The justifications for these conditions are mentioned from R1-R11

Method: Activate(float a, float b, float d)

if ((k == -1) && (a > 0) && (b > 0) && (d > 0))

a>0 T	b>0 T	d>0	Test Cases
T T	Т	Т	T+#22
Т		•	Test#23
•	Т	F	Test#23
Т	F	Т	Test#23
Т	F	F	Test#23
F	T	Т	Test#23
F	T	F	Test#23
F	F	Т	Test#23
F	F	F	Test#23
Т	T	Т	Test#24
Т	T	F	Test#24
Т	F	Т	Test#24
Т	F	F	Test#24
F	T	Т	Test#24
F	T	F	Test#24
F	F	Т	Test#24
	l	<u> </u>	
	F T T T F F	F F T F T F T F T F T T T T T T T T T T	F         F         F           T         T         T           T         T         F           T         F         T           F         T         T           F         T         F

Method: PayCredit()

if (k == 0)

k==0	Test Cases
T	Test#23
F	Test#25

Method: Reject()

if (k == 2)

k==2	Test Cases
Т	Test#23
F	Test#26

## Method: Cancel()

k==3	k==4	Test Cases
Т	Т	Impossible(R1)
Т	F	Test#24
F	Т	Test#26
F	F	Test#27

R1: the value of variable k can be 3 and 4 at one time, not both.

if (w == 0)

w==0	Test Cases
T	Test#24
F	Test#26

## Method: Approved()

if (k == 2)

k==2	Test Cases
T	Test#26
F	Test#27

## Method: PayCash(float c)

if ((k == 0) && (c > 0))

	, , , , , , , , , , , , , , , , , , , ,	
k==0	c>0	Test Cases
Т	Т	Test#24
Т	F	Test#25
F	Т	Test#28
F	F	Test#28

## Method: Regular()

if (k == 3)

k==3	Test Cases
T	Test#25
F	Test#27

## Method: Super()

if (k == 3)

k==3	Test Cases
Т	Test#27
F	Test#27

#### Method: Diesel()

if (k == 3)

k==3	Test Cases
T	Test#26
F	Test#27

#### Method: StartPump()

if (k == 4)

k==4	Test Cases
Т	Test#25
F	Test#28

#### Method: PumpLiter()

#### if (k == 5)

k==5	Test Cases
T	Test#25
F	Test#28

## if ((w == 1) || ((cash >= price \* (L + 1)) && (w == 0)))

w==1	cash>= price * (L+1)	w==0	Test Cases
Т	Т	Т	Impossible(R2)
Т	T	F	Test#33
Т	F	Т	Impossible(R3)
Т	F	F	Test#28
F	Т	Т	Test#25
F	Т	F	Impossible(R4)
F	F	Т	Test#29
F	F	F	Impossible(R5)

R2: The value of variable w can be 0 or 1 at any particular time, not both.

R3: The value of variable w can be 0 or 1 at any particular time, not both.

R4: The value of variable w should be either 1 or 0. To PumpLiter we need the payment by either cash or card.

R5: The value of variable w should be either 1 or 0. To PumpLiter we need the payment by either cash or card.

else if ((w == 0) && (cash < price \* (L + 1)))

w==0	cash < price * (L+1)	Test Cases
Т	Т	Test#25
Т	F	Impossible(R6)
F	Т	Impossible(R7)
F	F	Impossible(R8)

R6: The value of variable w=0 → PayCash is chosen. So, the cash cannot be less than price\*(L+1)

R7: The value of variable w is not equal to 0, therefore it will be a PayCredit method and cash cannot be less than price\*(L+1)

R8: The value of variable w is not equal to 0, therefore it will be a PayCredit method and cash cannot be less than price\*(L+1)

if ((w == 0) && (total < cash))

w==0	total < cash	Test Cases	
T	Т	Test#25	
Т	F	Test#30	
F	Т	Impossible(R9)	
F	F	Impossible(R10)	

R9: The value of variable w is not equal to 0, therefore PayCredit method. It won't enter the above else if loop {else if ((w == 0) && (cash < price \* (L + 1)))} and therefore won't reach this if loop

R10: The value of variable w is not equal to 0, therefore PayCredit method. It won't enter the above else if loop {else if ((w == 0) && (cash < price \* (L + 1)))} and therefore won't reach this if loop

Method: StopPump()

if (k == 5)

k==5	Test Cases
Т	Test#28
F	Test#25

if ((w == 0) && (total < cash))

w==0	total < cash	Test Cases	
Т	Т	Test#31	
Т	F	Test#32	
F	Т	Impossible(R12)	
F	F	Test#28	

R12: If the value of variable w=0 is false, it is PayCredit method where cash=0. Here total < cash is true and total cannot be less than cash

Method: NoReceipt()

if 
$$(k == 6)$$

k==6	Test Cases
Т	Test#28
F	Test#30

## Method: Receipt()

if (k == 6)

k==6	Test Cases
T	Test#25
F	Test#30

# Method: TurnOff()

## if (k == 0)

k==6	Test Cases
T	Test#23
F	Test#28

#### **Test Cases:**

Test#23: Activate(4.5,5.5,-6.6) Activate(4.5,-5.5,6.6) Activate(4.5,-5.5,-6.6) Activate(-4.5,5.5,6.6) Activate(-4.5,5.5,6.6) Activate(-4.5,-5.5,6.6) Activate(-4.5,-5.5,6.6) PayCredit() Reject() TurnOff()

Test#24: Activate(4.5,5.5,6.6) PayCash(10.0) Cancel() Activate(4.5,5.5,6.6) Activate(4.5,5.5,-6.6) Activate(4.5,-5.5,6.6) Activate(4.5,-5.5,-6.6) Activate(-4.5,-5.5,-6.6) TurnOff()

Test#25: Activate(4.5,5.5,6.6) PayCash(-10.0) PayCash(5.0) PayCredit() Regular() StartPump() PumpLiter() StopPump() Receipt() TurnOff()

Test#26: Activate(4.5,5.5,6.6) Reject() PayCredit() Approved() Diesel() Cancel() TurnOff()

Test#27: Activate(4.5,5.5,6.6) Approved() PayCredit() Cancel() Approved() Super() Diesel() Regular() Cancel() TurnOff()

Test#28: Activate(4.5,5.5,6.6) PayCredit() PayCash(-5.0) PayCash(5.0) Approved() Super() PumpLiter() StartPump() StopPump() TurnOff() NoReceipt() TurnOff()

Test#29: Activate(2.0,3.0,4.0) PayCash(1.0) Regular() StartPump() PumpLiter() StopPump() Receipt() TurnOff()

Test#30: Activate(4.0,5.0,6.0) Receipt() NoReceipt() PayCash(7.0) Diesel() StartPump() PumpLiter() PumpLiter() Receipt() TurnOff()

Test#31: Activate(2.0,3.0,4.0) PayCash(10.0) Regular() Start() PumpLiter() StopPump() Receipt() TurnOff()

Test#32: Activate(2.0,3.0,4.0) PayCash(3.0) Super() StartPump() PumpLiter() StopPump() Receipt() TurnOff()

Test#33: Activate(2.0,3.0,4.0) PayCash(10) Cancel() PayCredit() Approved() Regular() StartPump() PumpLiter() PumpLiter() StopPump() Receipt() TurnOff()

#### 4. TEST SUIT AND RESULT OF ITS EXECUTION

#### **TEST SUIT**

Test#1: Activate 4.1 5.0 6.0 PayCredit Approved Super StartPump PumpLiter StopPump Receipt TurnOff

Test#2: Activate 4.1 5.0 6.0 TurnOff

Test#3: Activate 4.1 5.0 6.0 PayCash 10.0 Cancel TurnOff

Test#4: Activate 4.1 5.0 6.0 PayCredit Approved Diesel Cancel TurnOff

Test#5: Activate 4.1 5.0 6.0 PayCredit Approved Regular Cancel PayCredit Reject TurnOff

Test#6: Activate 4.1 5.0 6.0 PayCredit Approved Super Cancel PayCash 10.0 Cancel TurnOff

Test#7: Activate 4.1 5.0 6.0 PayCash 10.0 Cancel PayCredit Approved Diesel StartPump StopPump NoReceipt TurnOff

Test#8: Activate 4.0 5.0 3.0 PayCredit Approved Cancel PayCash 6.0 Diesel StartPump PumpLiter PumpLiter StopPump Receipt TurnOff

Test#9: Activate 4.1 5.0 6.0 PayCredit Reject PayCredit Reject TurnOff

Test#10: Activate 4.0 5.0 3.0 PayCredit Reject PayCash 3.0 Regular StartPump PumpLiter Receipt TurnOff

Test#11: Activate 4.0 5.0 3.0 PayCash 2.0 Super StartPump PumpLiter NoReceipt PayCredit Reject TurnOff

Test#12: Activate 4.1 5.0 6.0 PayCredit Approved Regular StartPump PumpLiter PumpLiter StopPump NoReceipt PayCash 10.0 Cancel TurnOff

Test#13: Activate 4.0 5.0 3.0 PayCash 6.0 Super StartPump PumpLiter PumpLiter Receipt PayCredit Reject TurnOff

Test#14: Activate 4.0 5.0 3.0 PayCash 1.0 Regular StartPump StopPump Receipt PayCash 4.0 Cancel TurnOff

Test#15: Activate 4.1 5.0 6.0 PayCash 10.0 Super StartPump PumpLiter StopPump NoReceipt TurnOff

Test#16: PayCredit Reject Cancel Approved PayCash 5.0 Regular Super Diesel StartPump PumpLiter StopPump NoReceipt Receipt TurnOff Activate 4.1 5.0 6.0 Activate 4.0 5.0 8.0 PayCash -10.0 Reject Cancel Approved Regular Super Diesel StartPump PumpLiter StopPump NoReceipt Receipt PayCash 10.0 Cancel TurnOff

Test#17: Activate 4.1 5.0 6.0 PayCredit Approved Diesel StartPump Activate 2.0 3.0 4.0 PayCredit Reject Cancel StartPump Approved PayCash 20.0 Regular Super Diesel PumpLiter StopPump Receipt TurnOff

Test#18: Activate 4.1 5.0 6.0 PayCredit Activate 4.0 5.0 6.0 PayCredit PayCash 2.0 Cancel Regular Super Diesel StartPump PumpLiter StopPump NoReceipt Receipt TurnOff Reject TurnOff

Test#19: Activate 4.1 5.0 6.0 PayCash 10.0 Activate 2.0 3.0 5.0 PayCredit Reject Approved PayCash 4.0 StartPump PumpLiter StopPump Receipt NoReceipt TurnOff Cancel TurnOff

Test#20: Activate 4.1 5.0 6.0 PayCredit Approved Diesel Activate 2.0 3.0 4.0 PayCredit Approved Reject PayCash 3.0 Regular Super Diesel PumpLiter StopPump Receipt NoReceipt TurnOff StartPump StopPump Receipt TurnOff

Test#21: Activate 4.1 5.0 6.0 PayCash 20.0 Super StartPump Activate 2.0 3.0 4.0 PayCredit Reject Cancel Approved PayCash 3.0 Regular Super Diesel StartPump Receipt NoReceipt TurnOff PumpLiter StopPump Receipt TurnOff

Test#22: Activate 4.1 5.0 6.0 PayCredit Approved Diesel StartPump StopPump Activate 2.0 3.0 4.0 PayCredit Approved Reject Cancel PayCash 3.0 Regular Super Diesel StartPump PumpLiter StopPump TurnOff Receipt TurnOff

Test#23: Activate 4.5 5.5 -6.6 Activate 4.5 -5.5 6.6 Activate 4.5 -5.5 -6.6 Activate -4.5 5.5 6.6 Activate -4.5 5.5 -6.6 Activate -4.5 5.5 6.6 Activate -4.5 5.5 -6.6 Activate 4.5 5.5 6.6 PayCredit Reject TurnOff

Test#24: Activate 4.5 5.5 6.6 PayCash 10.0 Cancel Activate 4.5 5.5 6.6 Activate 4.5 5.5 -6.6 Activate 4.5 -5.5 6.6 Activate 4.5 -5.5 6.6 Activate -4.5 5.5 -6.6 Activate -4.5 5.5 6.6 Activate -4.5 5.5 -6.6 TurnOff

Test#25: Activate 4.5 5.5 6.6 PayCash -10.0 PayCash 5.0 PayCredit Regular StartPump PumpLiter StopPump Receipt TurnOff

Test#26: Activate 4.5 5.5 6.6 Reject PayCredit Approved Diesel Cancel TurnOff

Test#27: Activate 4.5 5.5 6.6 Approved PayCredit Cancel Approved Super Super Diesel Regular Cancel TurnOff

Test#28: Activate 4.5 5.5 6.6 PayCredit PayCash -5.0 PayCash 5.0 Approved Super PumpLiter StartPump PumpLiter StartPump StopPump TurnOff NoReceipt TurnOff

Test#29: Activate 2.0 3.0 4.0 PayCash 1.0 Regular StartPump PumpLiter StopPump Receipt TurnOff

Test#30: Activate 4.0 5.0 6.0 Receipt NoReceipt PayCash 7.0 Diesel StartPump PumpLiter PumpLiter Receipt TurnOff

Test#31: Activate 2.0 3.0 4.0 PayCash 10.0 Regular StartPump PumpLiter StopPump Receipt TurnOff

Test#32: Activate 2.0 3.0 4.0 PayCash 3.0 Super StartPump PumpLiter StopPump Receipt TurnOff

Test#33: Activate 2.0 3.0 4.0 PayCash 10.0 Cancel PayCredit Approved Regular StartPump PumpLiter StopPump Receipt TurnOff \$\$

#### **RESULT OF TEST SUIT EXECUTION:**

(After every event testing oriented methods are called for checking.)

Test#1: Activate 4.1 5.0 6.0 PayCredit Approved Super StartPump PumpLiter StopPump Receipt TurnOff

	T	T	
Event	Expected Output	Actual Output	Result
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5	
	Enter D Price:	Enter D Price:	
	6.0	6	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Approved	GasPump Class	GasPump Class	Passed
Approved	Approved() method	Approved() method	Passeu
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	0.1000.10.001.0000	0.1050.10.051.5055	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	DUMB IS DEADY TO DISDOSE	DUMAR IS READY TO DISPOSE	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	

	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
Chara Division	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	Danad
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	DUMAD CTORDED	DUMAN CTORRED	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	_
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	

Test#2: Activate 4.1 5.0 6.0 TurnOff

Event	Expected Output	Actual Output	Result
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#3: Activate 4.1 5.0 6.0 PayCash 10.0 Cancel TurnOff

Event	Expected Output	Actual Output	Result
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	

	The metrone of reduction 1	The neturn of relief in 1	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
		· ·	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10 OF CASH IS RETURNED	\$10 OF CASH IS RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
		•	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#4: Activate 4.1 5.0 6.0 PayCredit Approved Diesel Cancel TurnOff

Event	Expected Output	Actual Output	Result
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	C. DIESEL	C. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	W: 1	W: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	DIESEL IS SELECTED.	DIESEL IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#5: Activate 4.1 5.0 6.0 PayCredit Approved Regular Cancel PayCredit Reject TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	

	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
rayereare	PayCredit() method	PayCredit() method	l usseu
	r dy Greate() method	l ayereart() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
Approved	Approved() method	Approved() method	1 43364
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
ricgulai	Regular() method	Regular() method	l asseu
	Regular() method	Regular() method	
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$4.1	Price: \$4.1	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel		1	Passed
Caricei	GasPump Class	GasPump Class	rasseu

	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$4.1	Price: \$4.1	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$4.1	Price: \$4.1	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
	110: or Ganons rampea: o	110: or Gallons Fampea. o	
Reject	GasPumn Class	GasPumn Class	Passed
Reject	GasPump Class Reject() method	GasPump Class Reject() method	Passed
Reject	GasPump Class Reject() method	GasPump Class Reject() method	Passed
Reject	Reject() method	Reject() method	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED.	Reject() method  CREDIT CARD IS REJECTED.	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED.  The returned value is: 1	Reject() method  CREDIT CARD IS REJECTED.  The returned value is: 1	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED.  The returned value is: 1  State: S0	Reject() method  CREDIT CARD IS REJECTED.  The returned value is: 1  State: SO	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1  State: SO Price: \$4.1 Total: \$0.0	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0	Passed
Reject	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1	Passed
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	
Reject	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class	Passed
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1 Total: \$0.0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1 Total: \$0.0	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1 Total: \$0.0 Cash: \$0.0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1 Total: \$0.0 Cash: \$0.0	
	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: S0 Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1 Total: \$0.0	Reject() method  CREDIT CARD IS REJECTED. The returned value is: 1 State: SO Price: \$4.1 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0 GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$4.1 Total: \$0.0	

Test#6: Activate 4.1 5.0 6.0 PayCredit Approved Super Cancel PayCash 10.0 Cancel TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	,		
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	C. DIESEL	C. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	W: 1	W: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Super	GasPump Class	GasPump Class	Passed
Super	Super() method	Super() method	l asseu
	Super() method	Super() method	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
Carreer	Cancel() method	Cancel() method	1 43364
	Cancel() method	Caricei() inclined	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
l ayeasii 10.0	PayCash(float c)	PayCash(float c)	1 43564
	ay cash (noac c)	ayeasn(neare)	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	, ,	, ,	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10 OF CASH IS RETURNED	\$10 OF CASH IS RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
			1

	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#7: Activate 4.1 5.0 6.0 PayCash 10.0 Cancel PayCredit Approved Diesel StartPump StopPump NoReceipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	

	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	-	
	· ·	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10 OF CASH IS RETURNED	\$10 OF CASH IS RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
1-1	Approved() method	Approved() method	
	i ipprotos (y momos		
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	· ·		
	W: 1	W: 1	
1	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	]

Diesel	CasBump Class	Cas Pump Class	Dassad
Diesei	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	DIESEL IS SELECTED.	DIESEL IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	•	•	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0 w: 1	Cash: \$10.0 w: 1	
CtartDumn	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Passed
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
		TOTAL CHARGE: \$0.0	
	TOTAL CHARGE: \$0.0 The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	W: 1	W: 1	
Ct a se De cras se	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Danad
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	•	·	Passed
ivoneceipt	GasPump Class	GasPump Class	rasseu
	NoReceipt() method	NoReceipt() method	
	NO RECEIPT IS PRINTED	NO RECEIPT IS PRINTED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	Casii. \$10.0	Ca311. \$10.0	

	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#8: Activate 4.0 5.0 3.0 PayCredit Approved Cancel PayCash 6.0 Diesel StartPump PumpLiter PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
3.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	3.0	3.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Approved	CacDuma Class	Cas Dumn Class	Dassad
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 6.0	GasPump Class	GasPump Class	Passed
Tayeasii o.o	PayCash(float c)	PayCash(float c)	1 usseu
	r ayeasn(noat e)	ayeasn(noare)	
	Enter Cash	Enter Cash	
	6.0	6.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	DIESEL IS SELECTED.	DIESEL IS SELECTED.	

	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$3.0	Price: \$3.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$3.0	Price: \$3.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
		. ,,	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$3.0	TOTAL CHARGE: \$3.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$3.0	Price: \$3.0	
	Total: \$3.0	Total: \$3.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
PumpLiter	GasPump Class	GasPump Class	Passed
i umplitei	PumpLiter() method	PumpLiter() method	rasseu
	r unipelier() method	r ampliter() method	
	# OF LITRES PUMPED: 2	# OF LITRES PUMPED: 2	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$3.0	Price: \$3.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
StopPump	GasPump Class	GasPump Class	Passed

StopPump() method   StopPump() method	F			
# OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 DO YOU WANT A RECEIPT? The returned value is: 1 State: \$6 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 Receipt () method RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0		StopPump() method	StopPump() method	
# OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 DO YOU WANT A RECEIPT? The returned value is: 1 State: \$6 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 Receipt () method RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0		DUMD STODDED	DLIMD STODDED	
TOTAL CHARGE: \$6.0 DO YOU WANT A RECEIPT? The returned value is: 1 State: \$6 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  Receipt  Receipt  Receipt  Receipt   GasPump Class Receipt() method   RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Total: \$6.0 Total: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0 Cash: \$6.0				
DO YOU WANT A RECEIPT? The returned value is: 1 State: \$6 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2 Receipt  GasPump Class Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0  Cash: \$6.0  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0 Cash: \$6.0 Cash: \$6.0 Total: \$6.0 Cash: \$6.0				
The returned value is: 1  State: S6 Price: \$3.0 Price: \$3.0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2 Receipt  GasPump Class Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: S0 Price: \$3.0 Price: \$3.0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0  No. of Gallons Pumped: 2  # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: S0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0		1	•	
State: S6 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  Receipt				
Price: \$3.0				
Total: \$6.0				
Cash: \$6.0 w: 0 No. of Gallons Pumped: 2  Receipt  GasPump Class Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: S0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 w: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: S0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0		1		
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Receipt  GasPump Class Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: S0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: S0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0		•		
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Receipt() method  RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0			No. of Gallons Pumped: 2	
RECEIPT IS PRINTED: # OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0	Receipt	GasPump Class	GasPump Class	Passed
# OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  Gas Pump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0		Receipt() method	Receipt() method	
# OF LITRES PUMPED: 2 TOTAL CHARGE: \$6.0 The returned value is: 1 State: \$0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  Gas Pump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0				
TOTAL CHARGE: \$6.0 The returned value is: 1 State: SO Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0		RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
The returned value is: 1  State: S0 Price: \$3.0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0		# OF LITRES PUMPED: 2	# OF LITRES PUMPED: 2	
State: S0 Price: \$3.0 Price: \$3.0 Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0		TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
Price: \$3.0		The returned value is: 1	The returned value is: 1	
Total: \$6.0 Cash: \$6.0 W: 0 No. of Gallons Pumped: 2 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0		State: S0	State: S0	
Cash: \$6.0 w: 0 No. of Gallons Pumped: 2 No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0  Cash: \$6.0  Cash: \$6.0		Price: \$3.0	Price: \$3.0	
w: 0 No. of Gallons Pumped: 2 No. of Gallons Pumped: 2  TurnOff GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0		Total: \$6.0	Total: \$6.0	
No. of Gallons Pumped: 2  TurnOff  GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0		Cash: \$6.0	Cash: \$6.0	
TurnOff GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  GasPump Class TurnOff() method  Fassed  Passed  Passed  Passed  Passed  Figure Gas Pump Is Turned of Tur		w: 0	w: 0	
TurnOff GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  GasPump Class TurnOff() method  Fassed  Passed  Passed  Passed  Passed  Figure Gas Pump Is Turned of Tur		No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1  State: Exit State Price: \$3.0  Total: \$6.0  Cash: \$6.0  TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1  State: Exit State Price: \$3.0  Total: \$6.0  Cash: \$6.0	TurnOff			Passed
GAS PUMP IS TURNED OFF The returned value is: 1  State: Exit State Price: \$3.0 Total: \$6.0 Cash: \$6.0  Cash: \$6.0		•	·	
The returned value is: 1  State: Exit State  Price: \$3.0  Total: \$6.0  Cash: \$6.0  Cash: \$6.0		<b>,</b>	V	
State: Exit State         State: Exit State           Price: \$3.0         Price: \$3.0           Total: \$6.0         Total: \$6.0           Cash: \$6.0         Cash: \$6.0		GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
Price: \$3.0 Total: \$6.0 Cash: \$6.0 Cash: \$6.0		The returned value is: 1	The returned value is: 1	
Total: \$6.0		State: Exit State	State: Exit State	
Total: \$6.0		Price: \$3.0	Price: \$3.0	
Cash: \$6.0 Cash: \$6.0		· ·		
		· ·		
No. of Gallons Pumped: 2 No. of Gallons Pumped: 2		No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	

Test#9: Activate 4.1 5.0 6.0 PayCredit Reject PayCredit Reject TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	

		T	1
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
,	PayCredit() method	PayCredit() method	
	, ,	, ,	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Poinct	GasPump Class	GasPump Class	Passed
Reject	·	·	Passeu
	Reject() method	Reject() method	
	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
rayereare	PayCredit() method	PayCredit() method	1 03300
	Tayereart() method	Tayereart() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
Poinct	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dassad
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	

	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	

Test#10: Activate 4.0 5.0 3.0 PayCredit Reject PayCash 3.0 Regular StartPump PumpLiter Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
3.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0	4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	3.0	3.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	

	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	W: 0	
D 0 1 0 0	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 3.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	3.0	3.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
		Price: \$0.0	
	Price: \$0.0	·	
	Total: \$0.0	Total: \$0.0 Cash: \$3.0	
	Cash: \$3.0	'	
	W: 0	W: 0	
Dogule:	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dogo - d
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
Jean Crump	StartPump() method	StartPump() method	. 43364
	Jeaner amp() memou	Jeaner amp() memba	

	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
Tampliter	PumpLiter() method	PumpLiter() method	1 43564
	TumpEner() memou	Tumperer () method	
	PUMP STOPPED. NOT	PUMP STOPPED. NOT	
	SUFFICIENT FUNDS.	SUFFICIENT FUNDS.	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	\$3.0 OF CASH IS RETURNED	\$3.0 OF CASH IS RETURNED	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
·	Receipt() method	Receipt() method	
	,		
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$4.0	Price: \$4.0	

Total: \$0.0	Total: \$0.0	
Cash: \$3.0	Cash: \$3.0	
w: 0	w: 0	
No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#11: Activate 4.0 5.0 3.0 PayCash 2.0 Super StartPump PumpLiter NoReceipt PayCredit Reject TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
3.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0	4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	3.0	3.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 2.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	2.0	2.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	SUPER IS SELECTED.	SUPER IS SELECTED.	

	The material colors in 4	The make was also also also 4	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
Tampercer	PumpLiter() method	PumpLiter() method	1 43364
	Tampeter() method	Tampeter () method	
	PUMP STOPPED. NOT	PUMP STOPPED. NOT	
	SUFFICIENT FUNDS.	SUFFICIENT FUNDS.	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	\$2 OF CASH IS RETURNED	\$2 OF CASH IS RETURNED	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	
	NO RECEIPT IS PRINTED	NO RECEIPT IS PRINTED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$2.0	Cash: \$2.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#12: Activate 4.1 5.0 6.0 PayCredit Approved Regular StartPump PumpLiter PumpLiter StopPump NoReceipt PayCash 10.0 Cancel TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	

	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
raycieuit	PayCredit() method	PayCredit() method	rasseu
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
Approved	Approved() method	Approved() method	rasseu
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
Negulai	Regular() method	Regular() method	rasseu
	Negalar() Method	Negalar() method	
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$4.1	Price: \$4.1	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
Starti amp	Gust unip class	Gust utilp class	1 03300

Г	T	T	
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$4.1	Price: \$4.1	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
'	PumpLiter() method	PumpLiter() method	
	, () <b>.</b>	[ () 23 35.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$4.1	TOTAL CHARGE: \$4.1	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$4.1	Price: \$4.1	
	•	-	
	Total: \$4.1	Total: \$4.1	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 2	# OF LITRES PUMPED: 2	
	TOTAL CHARGE: \$8.2	TOTAL CHARGE: \$8.2	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$4.1	Price: \$4.1	
	Total: \$8.2	Total: \$8.2	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 2	# OF LITRES PUMPED: 2	
	TOTAL CHARGE: \$8.2	TOTAL CHARGE: \$8.2	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1 State: S6	The returned value is: 1 State: S6	
		NUTO: No	

	D: 64.4	Dia da a	1
	Price: \$4.1	Price: \$4.1	
	Total: \$8.2	Total: \$8.2	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	
	NO RECEIPT IS PRINTED	NO RECEIPT IS PRINTED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$4.1	Price: \$4.1	
	Total: \$8.2	Total: \$8.2	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
PayCash 10.0	GasPump Class	GasPump Class	Passed
_	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$4.1	Price: \$4.1	
	Total: \$8.2	Total: \$8.2	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
Cancel	GasPump Class	GasPump Class	Passed
Cancer	Cancel() method	Cancel() method	rasseu
	Cancer() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED. \$10 OF CASH IS RETURNED	
	\$10 OF CASH IS RETURNED	'	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$4.1	Price: \$4.1	
	Total: \$8.2	Total: \$8.2	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	_
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	

GAS PUMP IS TURNED OFF GAS PUMP IS TURNED OFF The returned value is: 1 The returned value is: 1 State: Exit State State: Exit State Price: \$4.1 Price: \$4.1 Total: \$8.2 Total: \$8.2 Cash: \$10.0 Cash: \$10.0 w: 0 w: 0 No. of Gallons Pumped: 2 No. of Gallons Pumped: 2

Test#13: Activate 4.0 5.0 3.0 PayCash 6.0 Super StartPump PumpLiter PumpLiter Receipt PayCredit Reject TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
3.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0	4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	3.0	3.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 6.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	6.0	6.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PLINAPED: 1	# OF LITPEC DUMANED: 4	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0 CONTINUE PUMPING	TOTAL CHARGE: \$5.0 CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
PumpLiter	GasPump Class	GasPump Class	Passed
i diliptitel	PumpLiter() method	PumpLiter() method	1 03300
	, ampliter () method	i amplica () memod	
	PUMP STOPPED. NOT	PUMP STOPPED. NOT	
	SUFFICIENT FUNDS.	SUFFICIENT FUNDS.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	retarried value is. 1	The retained value is. 1	I .

	To:	1	1
	State: S6	State: S6	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	, ,	, , ,	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Reject	GasPump Class	GasPump Class	Passed
jeot	Reject() method	Reject() method	
	Reject(/ method	neject() method	
	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$6.0	Cash: \$6.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
Tarrion	TurnOff() method	TurnOff() method	1 03300
	Tarnon() method	Tarrion() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	State, Exit State	State, Exit State	

Price: \$5.0		Price: \$5.0	
Total: \$5.0	1	Total: \$5.0	
Cash: \$6.0		Cash: \$6.0	
w: 0		w: 0	
No. of Gall	ons Pumped: 1	No. of Gallons Pumped: 1	

Test#14: Activate 4.0 5.0 3.0 PayCash 1.0 Regular StartPump StopPump Receipt PayCash 4.0 Cancel TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
3.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0	4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	3.0	3.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 1.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	1.0	1.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	

	DECLII AD IC CELECTED	DECLII AD IC CELECTED	1
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	VV. U	W. U	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 4.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	4.0	4.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$4.0	Cash: \$4.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$4.0 OF CASH IS RETURNED	\$4.0 OF CASH IS RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$4.0	Cash: \$4.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$4.0	Price: \$4.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$4.0	Cash: \$4.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#15: Activate 4.1 5.0 6.0 PayCash 10.0 Super StartPump PumpLiter StopPump NoReceipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed

6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
•	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	5 1
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	CLIDED IS SELECTED	CLIDED IS SELECTED	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1 State: S4	The returned value is: 1 State: S4	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
Starte unip	StartPump() method	StartPump() method	1 asseu
	Starti ampt) method	Starti dilip() metilod	

	D. 11.12 10 251 277 278 278 278	D. 10 40 10 05 4 0 1 70 0 100 005	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StopPump	GasPump Class	GasPump Class	Passed
Stoprump	StopPump() method	StopPump() method	rasseu
	Stoprump() method	StopFullip() Illetilou	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	\$5.0 OF CASH IS RETURNED	\$5.0 OF CASH IS RETURNED	
	·	'	
	DO YOU WANT A RECEIPT? The returned value is: 1	DO YOU WANT A RECEIPT?	
		The returned value is: 1	
	State: S6	State: S6	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	
	NO DECEMBER 16		
	NO RECEIPT IS PRINTED	NO RECEIPT IS PRINTED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$10.0	Cash: \$10.0	

	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	

Test#16: PayCredit Reject Cancel Approved PayCash 5.0 Regular Super Diesel StartPump PumpLiter StopPump NoReceipt Receipt TurnOff Activate 4.1 5.0 6.0 Activate 4.0 5.0 8.0 PayCash -10.0 Reject Cancel Approved Regular Super Diesel StartPump PumpLiter StopPump NoReceipt Receipt PayCash 10.0 Cancel TurnOff

Event	Expected Output	Actual Output	Results
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	

	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	<u> </u>
PayCash 5.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	5.0	5.0	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	W: 0	W: 0	
Super	No. of Gallons Pumped: 0 GasPump Class	No. of Gallons Pumped: 0 GasPump Class	Passed
Super	Super() method	Super() method	Passeu
	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	

	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	1 43364
	Starti amply method	Start amply method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
1	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
•	PumpLiter() method	PumpLiter() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
•	StopPump() method	StopPump() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
·	Receipt() method	Receipt() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	W: 0	W: 0	
Activate 4.0 F.0	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dassad
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
8.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0	4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	5.0	5.0	

	T	T	
	Enter D Price:	Enter D Price:	
	8.0	8.0	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash -10.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	-10.0	-10.0	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
_	Reject() method	Reject() method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
- Carroo.	Cancel() method	Cancel() method	. 0.0000
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
Approved	Approved() method	Approved() method	1 03360
	Approved() method	Approved() method	
	The returned value is: 0	The returned value is: 0	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	

	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
Dagular	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dansad
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
Super	Super() method	Super() method	1 43364
	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: SO	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Dumplites		1	Passed
PumpLiter	GasPump Class	GasPump Class	rasseu
	Pumpliter() method	Pumpliter() method	
	PumpLiter() method	PumpLiter() method	

	The returned value is: 0	The returned value is: 0	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	•	•	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	
	The returned value is: 0	The returned value is: 0	
	State: SO	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
песегре	Receipt() method	Receipt() method	l usseu
	neceipt() method	Receipt() method	
	The returned value is: 0	The returned value is: 0	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	Tetarried Value 151 1	1	1

	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10 OF CASH IS RETURNED	\$10 OF CASH IS RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#17: Activate 4.1 5.0 6.0 PayCredit Approved Diesel StartPump Activate 2.0 3.0 4.0 PayCredit Reject Cancel StartPump Approved PayCash 20.0 Regular Super Diesel PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	

	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
, pp. 5 . 5	Approved() method	Approved() method	
	The state of the s		
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0		
Diesel		No. of Gallons Pumped: 0	Passed
Diesei	GasPump Class	GasPump Class	Passeu
	Diesel() method	Diesel() method	
	DIESEL IS SELECTED.	DIESEL IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartDumn	GasPump Class	GasPump Class	Passed
StartPump	•	-	rasseu
	StartPump() method	StartPump() method	

	T		
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	d) method	a) memou	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5	5	
	Enter D Price:	Enter D Price:	
	6	6	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
Neject	·	-	า สรรธน
	Reject() method	Reject() method	
	The metume of called in C	The metrum education is 0	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	v	,	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 20.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	20.0	20.0	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	W: 0	W: 0	
Decul-	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Danser
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	The returned value is 0	The returned value is: 0	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	

	D: 600	D: 600	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
p =	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StopPump	GasPump Class	GasPump Class	Passed
Stoprump	StopPump() method	StopPump() method	rasseu
	Stoprump() method	Stoprump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	

	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Receipt	GasPump Class	GasPump Class	Passed
Пессіре	Receipt() method	Receipt() method	1 43364
	necespt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	, v	, ,	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	

Test#18: Activate 4.1 5.0 6.0 PayCredit Activate 4.0 5.0 6.0 PayCredit PayCash 2.0 Cancel Regular Super Diesel StartPump PumpLiter StopPump NoReceipt Receipt TurnOff Reject TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	

	T	T	T
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	1 asseu
0.0	d) method	d) method	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0		
		4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 2.0	GasPump Class	GasPump Class	Passed
,	PayCash(float c)	PayCash(float c)	
		, , ,	
	I	<u> </u>	1

	Enter Cash	Enter Cash	
	2.0	2.0	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
Carreer	Cancel() method	Cancel() method	1 43304
	Carreer() method	Carreer() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
ricgaiai	Regular() method	Regular() method	1 usseu
	Regular () Metriod	riegular() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
Super	Super() method	Super() method	1 43364
	Super () meaned	Super () means a	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	545111 <b>9</b> 515		

	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
Startrump		·	Passeu
	StartPump() method	StartPump() method	
	The veture dividue is 0	The metume of value is 0	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	Cop. amp () meanes	Coop. amp () meanes.	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
Noneceipt	NoReceipt() method	NoReceipt() method	rasseu
	Noneceipt() method	Noneceipt() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	State. 32	State: 32	

	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#19: Activate 4.1 5.0 6.0 PayCash 10.0 Activate 2.0 3.0 5.0 PayCredit Reject Approved PayCash 4.0 StartPump PumpLiter StopPump Receipt NoReceipt TurnOff Cancel TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float d) method	Activate(float a,float b,float d) method	
	Enter R Price:	Enter R Price:	

	T	T	T
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
Taycasii 10.0	PayCash(float c)	PayCash(float c)	1 43364
	a veasii(iioat c)	a veasii(iioat c)	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
5.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	·	,	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	5.0	5.0	
	The returned value is: 0	The returned value is: 0	
	State: \$3	State: S3	
	Price: \$0.0	Price: \$0.0	
	-	-	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	_
PayCredit	GasPump Class	GasPump Class	Passed

	PayCredit() method	PayCredit() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 4.0	GasPump Class	GasPump Class	Passed
	PayCash(float c)	PayCash(float c)	
	Enter Cash	Enter Cash	
	4.0	4.0	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	W: 0	W: 0	
CttD ··	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dona - I
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	

	Total: \$0.0	Total: \$0.0	
	-	•	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	1	•	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
<u> </u>	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	<u> </u>
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
. тосолр с	Receipt() method	Receipt() method	
		, , , , , , , , , , , , , , , , , , ,	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
•	NoReceipt() method	NoReceipt() method	
	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	

	The returned value is: 0	The returned value is: 0	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10 OF CASH IS RETURNED	\$10 OF CASH IS RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#20: Activate 4.1 5.0 6.0 PayCredit Approved Diesel Activate 2.0 3.0 4.0 PayCredit Approved Reject PayCash 3.0 Regular Super Diesel PumpLiter StopPump Receipt NoReceipt TurnOff StartPump StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	

	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	-	•	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	in proved () meaned	in provide () meaned	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	DIESEL IS SELECTED.	DIESEL IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	. 43364
7.0	Activate(110at a,110at b,110at	Activate(110at a,110at b,110at	<u> </u>

	d) method	d) method	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0 The returned value is: 0	4.0	
	State: S4	The returned value is: 0 State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
layereare	PayCredit() method	PayCredit() method	1 433C4
	r dyeredit() method	Tayereart() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	The metume of value is 0	The veture advalue is 0	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0 Total: \$0.0	Price: \$6.0 Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 3.0	GasPump Class	GasPump Class	Passed
r aycasii 3.0	PayCash(float c) method	PayCash(float c) method	rasseu
	raycasıı(ildat c) illetildü	r aycasıı(nuat c) methuu	

	Enter Cash	Enter Cash	
	3.0	3.0	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
. regular	Regular() method	Regular() method	. 43324
	megalar () meaned	negalar () method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
- Ca.p.c.	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
•	PumpLiter() method	PumpLiter() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	

	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
Stop: amp	StopPump() method	StopPump() method	. 45524
	Coop. amp() memea	Coop. amp() meaned	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
·	Receipt() method	Receipt() method	
	. ,	,	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	
	The set would also be 0	The colored of all all a	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0 Total: \$0.0	Price: \$6.0 Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
Turrion	TurnOff() method	TurnOff() method	rasseu
	rumon() memou	Turnon() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	

	T	T	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED	PUMP STOPPED	
	# OF LITERS PUMPED: 0	# OF LITERS PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
		-	
	Cash: \$0.0	Cash: \$0.0	
	W: 1	W: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	DECEMPT IS DRIVITED	DESCRIPT IS DOUBTED	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
	110. of Ganons Fampea. 0	140. Of Gallotts Fallipea. 0	

Test#21: Activate 4.1 5.0 6.0 PayCash 20.0 Super StartPump Activate 2.0 3.0 4.0 PayCredit Reject Cancel Approved PayCash 3.0 Regular Super Diesel StartPump Receipt NoReceipt TurnOff PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	·		
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 20.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	20.0	20.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3 Price: \$0.0	State: S3 Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	-		
	•		
Super	·	·	Passed
Jupei	-	· •	1 03350
	Superty method	Japen () method	
	SUPER IS SELECTED	SUPER IS SELECTED	
	Price: \$5.0	Price: \$5.0	
Super	Cash: \$20.0 w: 0 No. of Gallons Pumped: 0 GasPump Class Super() method  SUPER IS SELECTED. The returned value is: 1 State: S4 Price: \$5.0	Cash: \$20.0 w: 0 No. of Gallons Pumped: 0 GasPump Class Super() method  SUPER IS SELECTED. The returned value is: 1 State: \$4 Price: \$5.0	Passed

	Tatal: 60.0	Tatal 60.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0	4.0	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
PayCleuit	PayCredit() method	PayCredit() method	rasseu
	PayCredit() method	FayCredit() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	•	Total: \$0.0	
	Total: \$0.0 Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
Daiast	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Danad
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	

	The meture education is 0	The veture of velue is 0	1
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
' '	Approved() method	Approved() method	
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0		
Dou Cook 2.0	•	No. of Gallons Pumped: 0	Daggad
PayCash 3.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Frator Cook	Finter Cook	
	Enter Cash	Enter Cash	
	3.0	3.0	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
L	300 <del>7</del> = 0.0		_1

	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
Super	Super() method	Super() method	1 43364
	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
Diesei		Diesel() method	Passeu
	Diesel() method	Diesei() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
Starti ump	StartPump() method	StartPump() method	1 433C4
	Starte unip() method	Startr ump() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	necespe() meaned	necespe (7 meetines	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	1.200
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	

	Drice: CF O	Dries CF O	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	The returned value is: 0	The returned value is: 0	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
ramplicer	PumpLiter() method	PumpLiter() method	1 43564
	Tamperer () method	Tumpetter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	\$15.0 OF CASH IS	\$15.0 OF CASH IS	
	RETURNED	RETURNED	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$5.0	Price: \$5.0	
		· ·	
	Total: \$5.0	Total: \$5.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	_
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	

	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.0	TOTAL CHARGE: \$5.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.0	Price: \$5.0	
	Total: \$5.0	Total: \$5.0	
	Cash: \$20.0	Cash: \$20.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
T Off	Carp and Class	CD Cl	ь .
TurnOff	GasPump Class	GasPump Class	Passed
TurnOff	TurnOff() method	TurnOff() method	Passed
TurnOff	-	-	Passed
TurnOff	-	-	Passed
TurnOff	TurnOff() method	TurnOff() method	Passed
Turnom	TurnOff() method  GAS PUMP IS TURNED OFF	TurnOff() method  GAS PUMP IS TURNED OFF	Passed
TurnOff	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1	Passed
Turnom	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State	Passed
TurnOff	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$5.0	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$5.0	Passed
Turnom	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$5.0 Total: \$5.0	TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1  State: Exit State Price: \$5.0  Total: \$5.0	Passed

Test#22: Activate 4.1 5.0 6.0 PayCredit Approved Diesel StartPump StopPump Activate 2.0 3.0 4.0 PayCredit Approved Reject Cancel PayCash 3.0 Regular Super Diesel StartPump PumpLiter StopPump TurnOff Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.1 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Estas D.D.das	Estas D.D.das	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	

CHECKING CREDIT CARD. CHECKING CREDIT CARD.	
The returned value is: 1 The returned value is: 1	
State: S2 State: S2	
Price: \$0.0 Price: \$0.0	
Total: \$0.0 Total: \$0.0	
Cash: \$0.0 Cash: \$0.0	
w: 0 w: 0	
No. of Gallons Pumped: 0 No. of Gallons Pumped: 0	
'''	ssed
Approved() method Approved() method	
CREDIT CARD APPROVED. CREDIT CARD APPROVED.	
SELECT TYPE OF GASOLINE: SELECT TYPE OF GASOLINE:	
a. REGULAR a. REGULAR	
b. SUPER b. SUPER	
c. DIESEL c. DIESEL	
The returned value is: 1 The returned value is: 1	
State: S3 State: S3	
Price: \$0.0 Price: \$0.0	
Total: \$0.0 Total: \$0.0	
Cash: \$0.0 Cash: \$0.0	
w: 1	
No. of Gallons Pumped: 0 No. of Gallons Pumped: 0	
Diesel GasPump Class GasPump Class Pas	ssed
Diesel() method Diesel() method	
DIESEL IS SELECTED. DIESEL IS SELECTED.	
The returned value is: 1 The returned value is: 1	
State: S4 State: S4	
Price: \$6.0 Price: \$6.0	
Total: \$0.0 Total: \$0.0	
Cash: \$0.0 Cash: \$0.0	
w: 1	
No. of Gallons Pumped: 0 No. of Gallons Pumped: 0	
StartPump GasPump Class GasPump Class Pas	ssed
StartPump() method StartPump() method	
PUMP IS READY TO DISPOSE PUMP IS READY TO DISPOSE	
# OF LITRES PUMPED: 0 # OF LITRES PUMPED: 0	
TOTAL CHARGE: \$0.0 TOTAL CHARGE: \$0.0	
The returned value is: 1 The returned value is: 1	
State: S1 State: S1	
Price: \$6.0 Price: \$6.0	
Total: \$0.0 Total: \$0.0	
Cash: \$0.0 Cash: \$0.0	
Casii. 90.0	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0	4.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0 w: 1	
	W: 1		
DayCradit	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dassad
PayCredit	GasPump Class	GasPump Class PayCredit() method	Passed
	PayCredit() method	PayCredit() Method	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	The returned value is: 0	The returned value is: 0	

	Ta	Ta	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
Caricei	Cancel() method	Cancel() method	1 433C4
	Cancel() method	Cancel() method	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 3.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	3.0	3.0	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
-0:	Regular() method	Regular() method	
	,	()	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	•		
	w: 1	w: 1	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	The returned value is 0	The returned value is: 0	
	The returned value is: 0 State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
Start: amp	StartPump() method	StartPump() method	. 45564
	P.O.	F (7	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	W: 1	W: 1	
StonBumn	No. of Gallons Pumped: 0 GasPump Class	No. of Gallons Pumped: 0 GasPump Class	Passed
StopPump	StopPump() method	StopPump() method	rasseu
	Stoprump() method	J.Opr ump() memou	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	

	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
		V	
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#23: Activate 4.5 5.5 -6.6 Activate 4.5 -5.5 6.6 Activate 4.5 -5.5 -6.6 Activate -4.5 5.5 6.6 Activate -4.5 5.5 -6.6 Activate -4.5 5.5 6.6 Activate -4.5 -5.5 -6.6 Activate 4.5 5.5 6.6 PayCredit Reject TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
-6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	

	T	T	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State		
	Price: \$0.0	State: Entry State Price: \$0.0	
	· ·	Total: \$0.0	
	Total: \$0.0	I	
	Cash: \$0.0	Cash: \$0.0	
	W: 0	W: 0	
A otiviote 4 F F F	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dagged
Activate 4.5 -5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Fator B Brico.	Fotos D Drice.	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
A - 1	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dana I
Activate 4.5 -5.5	GasPump Class	GasPump Class	Passed
-6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
		5 . 55 .	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	a) memou	a) memou	
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 5.5	GasPump Class	GasPump Class	Passed
-6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 -	GasPump Class	GasPump Class	Passed
5.5 6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	6.6 The returned value is: 0	6.6 The returned value is: 0	

	T	I	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 -	GasPump Class	GasPump Class	Passed
5.5 -6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: Entry State	State: Entry State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	,	,cu	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
i aycieuit	PayCredit() method	PayCredit() method	า สรรธน
	raycredit() method	raycredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
		The returned value is: 1	
	The returned value is: 1		
	State: S2	State: S2	
I	Price: \$0.0	Price: \$0.0	

	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	CREDIT CARD IS REJECTED.	CREDIT CARD IS REJECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#24: Activate 4.5 5.5 6.6 PayCash 10.0 Cancel Activate 4.5 5.5 6.6 Activate 4.5 5.5 -6.6 Activate 4.5 -5.5 6.6 Activate 4.5 -5.5 6.6 Activate -4.5 5.5 -6.6 Activate -4.5 -5.5 6.6 Activate -4.5 -5.5 -6.6 TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	

	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
'	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	10.0	10.0	
ļ	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TD ANG A CTION IS	TD ANGA CTION IS	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10.0 OF CASH IS	\$10.0 OF CASH IS	
	RETURNED	RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
ļ	Cash: \$10.0 w: 0	Cash: \$10.0 w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	rasseu
0.0	d) method	d) method	
ļ	a) method	d) method	
	Enter R Price:	Enter R Price:	
	4.1	4.1	
	Enter S Price:	Enter S Price:	
	5	5	
	Enter D Price:	Enter D Price:	
	6	6	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
1	Total: \$0.0	Total: \$0.0	

	Cach. \$10.0	Cach. \$10.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
-6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate 4.5 -5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	,	a,	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
Activate 4.5.5.5	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dassad
Activate 4.5 -5.5	GasPump Class	GasPump Class	Passed
-6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Fatou D Duices	Fotos D Duices	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
Í	-6.6	-6.6	

		Γ	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	,		
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	The returned value is: 0	The returned value is: 0	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	*		
	Cash: \$10.0	Cash: \$10.0	
	w: 0	W: 0	
A - + i + 4 - 5 - 5 - 5	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Danad
Activate -4.5 5.5	GasPump Class	GasPump Class	Passed
-6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 -	GasPump Class	GasPump Class	Passed
5.5 6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	,	,	
	Enter R Price:	Enter R Price:	
1			
	-4.5	-4.5	

	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Activate -4.5 -	GasPump Class	GasPump Class	Passed
5.5 -6.6	Activate(float a,float b,float	Activate(float a,float b,float	1 43364
3.5 0.0	d) method	d) method	
	a) memou	a) memou	
	Enter R Price:	Enter R Price:	
	-4.5	-4.5	
	Enter S Price:	Enter S Price:	
	-5.5	-5.5	
	Enter D Price:	Enter D Price:	
	-6.6	-6.6	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
TurnOff	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Dassad
Turnon	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#25: Activate 4.5 5.5 6.6 PayCash -10.0 PayCash 5.0 PayCredit Regular StartPump PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	

Г			
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
	GasPump Class	GasPump Class	Passed
· ·	PayCash(float c) method	PayCash(float c) method	. 43524
	. a, cash(near o, method	ray cash (mode of meeting a	
	Enter Cash	Enter Cash	
	-10.0	-10.0	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
-	GasPump Class	GasPump Class	Passed
, , , , , , , , , , , , , , , , , , ,	PayCash(float c) method	PayCash(float c) method	. 455-54
	Enter Cash	Enter Cash	
	5.0	5.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
	GasPump Class	GasPump Class	Passed
•	PayCredit() method	PayCredit() method	
	. "		

	Chata: C2	Chahai C2	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$4.5	Price: \$4.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
- C can c. ap	StartPump() method	StartPump() method	
	Starti amp() memoa	Starti amply method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$4.5	Price: \$4.5	
	Total: \$0.0	Total: \$0.0	
		· ·	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
5 111	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$4.5	TOTAL CHARGE: \$4.5	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$4.5	Price: \$4.5	
	Total: \$4.5	Total: \$4.5	
		-	
	Cash: \$5.0	Cash: \$5.0	
	W: 0	W: 0	
CL D	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	D !
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	

	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$4.5	TOTAL CHARGE: \$4.5	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$4.5	Price: \$4.5	
	Total: \$4.5	Total: \$4.5	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$4.5	TOTAL CHARGE: \$4.5	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$4.5	Price: \$4.5	
	Total: \$4.5	Total: \$4.5	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$4.5	Price: \$4.5	
	Total: \$4.5	Total: \$4.5	
	Cash: \$5.0	Cash: \$5.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	

Test#26: Activate 4.5 5.5 6.6 Reject PayCredit Approved Diesel Cancel TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	

	6.6 GAS PUMP IS ON	6.6 GAS PUMP IS ON	
	I GAS POIVIP IS ON		
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$0.0	Price: \$0.0	
	-	-	
	Total: \$0.0 Cash: \$0.0	Total: \$0.0 Cash: \$0.0	
	'		
	W: 0	W: 0	
Daiast	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Danad
Reject	GasPump Class	GasPump Class	Passed
	Reject() method	Reject() method	
	The material and colors in O	The material and colors in O	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	-	-	Passed
	PayCredit() method	PayCredit() method	
	State: S2		
	Price: \$0.0	-	
	-	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
i .		No. of Gallons Pumped: 0	
	No. of Gallons Pumped: U	No. of Gallons Fulliped. 0	
Diesel	No. of Gallons Pumped: 0 GasPump Class	GasPump Class	Passed
PayCredit	GasPump Class PayCredit() method  CHECKING CREDIT CARD. The returned value is: 1 State: S2 Price: \$0.0 Total: \$0.0 Cash: \$0.0 w: 0 No. of Gallons Pumped: 0  GasPump Class Approved() method  CREDIT CARD APPROVED. SELECT TYPE OF GASOLINE: a. REGULAR b. SUPER c. DIESEL The returned value is: 1 State: S3 Price: \$0.0 Total: \$0.0 Cash: \$0.0 w: 1	GasPump Class PayCredit() method  CHECKING CREDIT CARD. The returned value is: 1 State: S2 Price: \$0.0 Total: \$0.0 Cash: \$0.0 w: 0 No. of Gallons Pumped: 0  GasPump Class Approved() method  CREDIT CARD APPROVED. SELECT TYPE OF GASOLINE: a. REGULAR b. SUPER c. DIESEL The returned value is: 1 State: S3 Price: \$0.0 Total: \$0.0 Cash: \$0.0 w: 1	Passed

	DIESEL IS SELECTED. The returned value is: 1 State: S4 Price: \$6.6 Total: \$0.0 Cash: \$0.0 w: 1	DIESEL IS SELECTED. The returned value is: 1 State: S4 Price: \$6.6 Total: \$0.0 Cash: \$0.0 w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class Cancel() method	GasPump Class Cancel() method	Passed
	TRANSACTION IS CANCELLED. The returned value is: 1 State: S0 Price: \$6.6 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	TRANSACTION IS CANCELLED. The returned value is: 1 State: SO Price: \$6.6 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	
TurnOff	GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$6.6 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	GasPump Class TurnOff() method  GAS PUMP IS TURNED OFF The returned value is: 1 State: Exit State Price: \$6.6 Total: \$0.0 Cash: \$0.0 w: 1 No. of Gallons Pumped: 0	Passed

Test#27: Activate 4.5 5.5 6.6 Approved PayCredit Cancel Approved Super Super Diesel Regular Cancel TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	

	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
Approved	Approved() method	Approved() method	1 43364
	Approved() method	/ipproved() method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
,	PayCredit() method	PayCredit() method	
	, ,	, , ,	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	

	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	-	-	
	Total: \$0.0 Cash: \$0.0	Total: \$0.0 Cash: \$0.0	
	·	w: 1	
	W: 1		
Cumar	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Deess
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	DECLII AD IS SELECTED	DECLII AD IS SELECTED	
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	

	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#28: Activate 4.5 5.5 6.6 PayCredit PayCash -5.0 PayCash 5.0 Approved Super PumpLiter StartPump PumpLiter StartPump TurnOff NoReceipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.5 5.5	GasPump Class	GasPump Class	Passed
6.6	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.5	4.5	
	Enter S Price:	Enter S Price:	
	5.5	5.5	
	Enter D Price:	Enter D Price:	
	6.6	6.6	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	

	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
	PayCredit() method	PayCredit() method	
	CHECKING CREDIT CARD.	CHECKING CREDIT CARD.	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash -5.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	-5.0	-5.0	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 5.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	5.0	5.0	
	The returned value is: 0	The returned value is: 0	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
Approved	Approved() method	Approved() method	1 033EU
	Approved() inclind	Approved() inclined	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	1 1100. 90.0	1.1100. 90.0	<u>I</u>

	T	T 60.0	1
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	The returned value is: 0	The returned value is: 0	
	State: S4	State: S4	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
'	StartPump() method	StartPump() method	
	l l	P.O.	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$5.5	Price: \$5.5	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
. amplici	PumpLiter() method	PumpLiter() method	. 05500
	i amplica () memou	i ampliter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.5	TOTAL CHARGE: \$5.5	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$5.5	Price: \$5.5	
	FIICE, \$5.5	FIRE, \$5.5	

	Talal 65 5	Talal AF F	
	Total: \$5.5	Total: \$5.5	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	The returned value is: 0	The returned value is: 0	
	State: S1	State: S1	
	Price: \$5.5	Price: \$5.5	
	Total: \$5.5	Total: \$5.5	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$5.5	TOTAL CHARGE: \$5.5	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$5.5	Price: \$5.5	
	Total: \$5.5	Total: \$5.5	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	. 45524
	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$5.5	Price: \$5.5	
	Total: \$5.5	Total: \$5.5	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
NoReceipt	GasPump Class	GasPump Class	Passed
HUNCLEIPE	NoReceipt() method	NoReceipt() method	า ผรระน
	Noneceipt() method	Noneceipt() method	
	NO RECEIPT IS PRINTED	NO RECEIPT IS PRINTED	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$5.5	Price: \$5.5	
		1	
	Total: \$5.5	Total: \$5.5	
	Cash: \$0.0	Cash: \$0.0	

	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$5.5	Price: \$5.5	
	Total: \$5.5	Total: \$5.5	
	Cash: \$0.0	Cash: \$0.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	

Test#29: Activate 2.0 3.0 4.0 PayCash 1.0 Regular StartPump PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0	4.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 1.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	1.0	1.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	

	Drice, CO.O.	Drice: CO O	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	REGULAR IS SELECTED.	REGULAR IS SELECTED.	
		The returned value is: 1	
	The returned value is: 1		
	State: S4	State: S4	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
<u> </u>	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$2.0	Price: \$2.0	
		Total: \$0.0	
	Total: \$0.0	-	
	Cash: \$1.0	Cash: \$1.0	
	W: 0	W: 0	
December 1	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	Daggad
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	PUMP STOPPED. NOT	PUMP STOPPED. NOT	
	SUFFICIENT FUNDS.	SUFFICIENT FUNDS.	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	\$1.0 OF CASH IS RETURNED	\$1.0 OF CASH IS RETURNED	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StopPump	GasPump Class	GasPump Class	Passed
1 1	StopPump() method	StopPump() method	
L	- I I/V	1 - 1- 1- 1- 17 - 1 - 10 - 11 - 10 - 11 - 11	

	The returned value is: 0	The returned value is: 0	
	State: S6	State: S6	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$1.0	Cash: \$1.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	

Test#30: Activate 4.0 5.0 6.0 Receipt NoReceipt PayCash 7.0 Diesel StartPump PumpLiter PumpLiter Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 4.0 5.0	GasPump Class	GasPump Class	Passed
6.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	4.0	4.0	
	Enter S Price:	Enter S Price:	
	5.0	5.0	
	Enter D Price:	Enter D Price:	
	6.0	6.0	

	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Receipt	GasPump Class	GasPump Class	Passed
Receipt	Receipt() method	Receipt() method	1 a33Cu
	Receipt() method	(Neccipit) method	
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
NoReceipt	GasPump Class	GasPump Class	Passed
	NoReceipt() method	NoReceipt() method	. 45554
	The returned value is: 0	The returned value is: 0	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 7.0	GasPump Class	GasPump Class	Passed
,	PayCash(float c) method	PayCash(float c) method	
	, , ,	, , ,	
	Enter Cash	Enter Cash	
	7.0	7.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Diesel	GasPump Class	GasPump Class	Passed
	Diesel() method	Diesel() method	

	DIECEL IC CELECTED	DIECEL IC CELECTED	1
	DIESEL IS SELECTED.	DIESEL IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$6.0	Price: \$6.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Dumplitor			Passed
PumpLiter	GasPump Class	GasPump Class	Passeu
	PumpLiter() method	PumpLiter() method	
	# OF LITPEC DUMANED. 4	# OF LITPEC DUMANED. 4	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	PUMP STOPPED. NOT	PUMP STOPPED. NOT	
	SUFFICIENT FUNDS.	SUFFICIENT FUNDS.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	\$1.0 OF CASH IS RETURNED	\$1.0 OF CASH IS RETURNED	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	וטנמו. טָטיַט	וטנמו. טָט.ט	

	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$6.0	TOTAL CHARGE: \$6.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$6.0	Price: \$6.0	
	Total: \$6.0	Total: \$6.0	
	Cash: \$7.0	Cash: \$7.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	

Test#31: Activate 2.0 3.0 4.0 PayCash 10.0 Regular StartPump PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0	4.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	

ash: \$0.0	Cash: \$0.0	
: 0	w: 0	
o. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
asPump Class	GasPump Class	Passed
ayCash(float c) method	PayCash(float c) method	
nter Cash	Enter Cash	
0.0	10.0	
ELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
REGULAR	a. REGULAR	
SUPER	b. SUPER	
DIESEL	c. DIESEL	
-	•	
•	•	
*	•	
: 0		
·		
-	-	Passed
egular() method	Regular() method	
CLILADIS SELECTED	DECLII AD IS SELECTED	
-	-	
•	•	
•	•	
-		
·		Passed
-	•	
1 (/	1 (/	
JMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
OTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
ne returned value is: 1	The returned value is: 1	
ate: S5	State: S5	
rice: \$2.0	Price: \$2.0	
otal: \$0.0	Total: \$0.0	
ash: \$10.0		
: 0	w: 0	
·	·	
·	·	Passed
ımpLiter() method	PumpLiter() method	
OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	asPump Class yCash(float c) method  ater Cash 0.0 LECT TYPE OF GASOLINE: REGULAR SUPER DIESEL DIESEL DIE returned value is: 1 DIESEL DI	GasPump Class yCash(float c) method  Inter Cash Inter C

	T		T
	TOTAL CHARGE: \$2.0	TOTAL CHARGE: \$2.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$2.0	Price: \$2.0	
	Total: \$20	Total: \$20	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$2.0	TOTAL CHARGE: \$2.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$2.0	Price: \$2.0	
	-	-	
	Total: \$2.0	Total: \$2.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	DECEMBER OF DELIVITIES	DECEMPT IS DRIVITED	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$2.0	TOTAL CHARGE: \$2.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$2.0	Price: \$2.0	
	Total: \$2.0	Total: \$2.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	Price: \$2.0	Price: \$2.0	
	Total: \$2.0	Total: \$2.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
	140. Of Gallotts Fallipea. 1	110. of Ganons Fampea. 1	

Test#32: Activate 2.0 3.0 4.0 PayCash 3.0 Super StartPump PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0	4.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 3.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	
	Enter Cash	Enter Cash	
	3.0	3.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	c. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Super	GasPump Class	GasPump Class	Passed
	Super() method	Super() method	
	SUPER IS SELECTED.	SUPER IS SELECTED.	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$3.0	Price: \$3.0	
	Total: \$0.0	Total: \$0.0	

	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
Clarib	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	DI
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
		D. W. A.D. 16 D. F. A.D. 17 D. 16 D. 60 D.	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$3.0	Price: \$3.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$3.0	TOTAL CHARGE: \$3.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S5	State: S5	
	Price: \$3.0	Price: \$3.0	
	Total: \$3.0	Total: \$3.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$3.0	TOTAL CHARGE: \$3.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$3.0	Price: \$3.0	
	Total: \$3.0	Total: \$3.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Receipt	GasPump Class	GasPump Class	Passed
Receipt	Receipt() method	Receipt() method	1 43304
	Receipt() method	neceipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	I		

	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$3.0	TOTAL CHARGE: \$3.0	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: SO	
	Price: \$3.0	Price: \$3.0	
	Total: \$3.0	Total: \$3.0	
	Cash: \$3.0	Cash: \$3.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
	State. Exit State	State. Lait State	
	Price: \$3.0	Price: \$3.0	
	Price: \$3.0	Price: \$3.0	
	Price: \$3.0 Total: \$3.0	Price: \$3.0 Total: \$3.0	

Test#33: Activate 2.0 3.0 4.0 PayCash 10.0 Cancel PayCredit Approved Regular StartPump PumpLiter PumpLiter StopPump Receipt TurnOff

Event	Expected Output	Actual Output	Results
Activate 2.0 3.0	GasPump Class	GasPump Class	Passed
4.0	Activate(float a,float b,float	Activate(float a,float b,float	
	d) method	d) method	
	Enter R Price:	Enter R Price:	
	2.0	2.0	
	Enter S Price:	Enter S Price:	
	3.0	3.0	
	Enter D Price:	Enter D Price:	
	4.0	4.0	
	GAS PUMP IS ON	GAS PUMP IS ON	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$0.0	Cash: \$0.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCash 10.0	GasPump Class	GasPump Class	Passed
	PayCash(float c) method	PayCash(float c) method	

	T	T .	
	Enter Cash	Enter Cash	
	10.0	10.0	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a.REGULAR	a.REGULAR	
	b.SUPER	b.SUPER	
	c.DIESEL	c.DIESEL	
	The returned value is: 1	The returned value is: 1	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
		-	
	W: 0	W: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Cancel	GasPump Class	GasPump Class	Passed
	Cancel() method	Cancel() method	
	TRANSACTION IS	TRANSACTION IS	
	CANCELLED.	CANCELLED.	
	\$10.0 OF CASH IS	\$10.0 OF CASH IS	
	RETURNED	RETURNED	
	The returned value is: 1	The returned value is: 1	
	State: S0	State: S0	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PayCredit	GasPump Class	GasPump Class	Passed
PayCredit	-	·	rasseu
	PayCredit() method	PayCredit() method	
	CUECUNIC CREDIT CARR	CUECKING CREDIT CARR	
	CHECKING CREDIT CARD	CHECKING CREDIT CARD	
	The returned value is: 1	The returned value is: 1	
	State: S2	State: S2	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 0	w: 0	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Approved	GasPump Class	GasPump Class	Passed
	Approved() method	Approved() method	
	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	
	CREDIT CARD APPROVED.	CREDIT CARD APPROVED.	
	SELECT TYPE OF GASOLINE:	SELECT TYPE OF GASOLINE:	
	a. REGULAR	a. REGULAR	
	b. SUPER	b. SUPER	
	C. DIESEL	c. DIESEL	
	The returned value is: 1	The returned value is: 1	

	Chata: C2	Chahai C2	
	State: S3	State: S3	
	Price: \$0.0	Price: \$0.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
Regular	GasPump Class	GasPump Class	Passed
	Regular() method	Regular() method	
	REGULAR IS SELECTED	REGULAR IS SELECTED	
	The returned value is: 1	The returned value is: 1	
	State: S4	State: S4	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
StartPump	GasPump Class	GasPump Class	Passed
	StartPump() method	StartPump() method	
	PUMP IS READY TO DISPOSE	PUMP IS READY TO DISPOSE	
	# OF LITRES PUMPED: 0	# OF LITRES PUMPED: 0	
	TOTAL CHARGE: \$0.0	TOTAL CHARGE: \$0.0	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$2.0	Price: \$2.0	
	Total: \$0.0	Total: \$0.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 0	No. of Gallons Pumped: 0	
PumpLiter	GasPump Class	GasPump Class	Passed
. amplice.	PumpLiter() method	PumpLiter() method	. 45524
	i ampirer () meenea	i ampirei (, memea	
	# OF LITRES PUMPED: 1	# OF LITRES PUMPED: 1	
	TOTAL CHARGE: \$2.0	TOTAL CHARGE: \$2.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$2.0	Price: \$2.0	
	Total: \$2.0	Total: \$2.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 1	No. of Gallons Pumped: 1	
Dumplitor	·	·	Dassad
PumpLiter	GasPump Class	GasPump Class	Passed
	PumpLiter() method	PumpLiter() method	
	# OF LITRES PUMPED: 2	# OF LITRES PUMPED: 2	
	# OF LITNES PUIVIPED. Z	# OF LITNES PUIVIPED: Z	

Г	T	T	Τ
	TOTAL CHARGE: \$4.0	TOTAL CHARGE: \$4.0	
	CONTINUE PUMPING	CONTINUE PUMPING	
	The returned value is: 1	The returned value is: 1	
	State: S1	State: S1	
	Price: \$2.0	Price: \$2.0	
	Total: \$4.0	Total: \$4.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
StopPump	GasPump Class	GasPump Class	Passed
	StopPump() method	StopPump() method	
	PUMP STOPPED.	PUMP STOPPED.	
	# OF LITERS PUMPED: 2	# OF LITERS PUMPED: 2	
	TOTAL CHARGE: \$4.0	TOTAL CHARGE: \$4.0	
	DO YOU WANT A RECEIPT?	DO YOU WANT A RECEIPT?	
	The returned value is: 1	The returned value is: 1	
	State: S6	State: S6	
	Price: \$2.0	Price: \$2.0	
	Total: \$4.0	Total: \$4.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
Deseint	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	Dansad
Receipt	GasPump Class	GasPump Class	Passed
	Receipt() method	Receipt() method	
	RECEIPT IS PRINTED:	RECEIPT IS PRINTED:	
	# OF LITRES PUMPED: 2	# OF LITRES PUMPED: 2	
	TOTAL CHARGE: \$4.0	TOTAL CHARGE: \$4.0	
	The returned value is: 1	The returned value is: 1	
	State: SO	State: SO	
	Price: \$2.0	Price: \$2.0	
	Total: \$4.0	Total: \$4.0	
	Cash: \$10.0	Cash: \$10.0	
	w: 1	w: 1	
	No. of Gallons Pumped: 2	No. of Gallons Pumped: 2	
TurnOff	GasPump Class	GasPump Class	Passed
	TurnOff() method	TurnOff() method	
	GAS PUMP IS TURNED OFF	GAS PUMP IS TURNED OFF	
	The returned value is: 1	The returned value is: 1	
	State: Exit State	State: Exit State	
			1
	Price: \$2.0	Price: \$2.0	
	Price: \$2.0 Total: \$4.0	Price: \$2.0 Total: \$4.0	
	T		
	Total: \$4.0	Total: \$4.0	

## **CONCLUSION**

The given GasPump class has been successfully tested using Model Based Testing, Ghost Transition Testing and Multiple Condition Testing.

This project has helped me understand how important and tedious the job of a tester is. Designing the Test Driver made me realise how the smallest of mistake can lead to a large number of defects. The project also highlights the importance of using Model Based Testing. Having the EFSM makes the checking of the steps easier and accurate.

Though there were no bugs in the code, some cases in the multiple condition testing were not executable. Also, I feel that in the code for GasPump, when the Cash was returned to the user after they Cancel or Pump, the cash is still stored in the memory. So, once the cash is out of the system, the display for value of cash should be 0.

I believe this project could have been automated by combining the Test Suite Checker as a part of the Test Driver. This would save the double effort required and prevent the continuous entering of inputs.

Finally, this project has been a good learning experience. We have learned various methods of testing individually and this helped to understand how we can use various testing methods on the same program.

## **SOURCE CODE for GasPump and TestDriver**

## Source Code for GasPump.java

```
public class GasPump {
       private float Rprice;
       private float Sprice;
       private float Dprice;
       private int w;
       private float price;
       private int L;
       private float total;
       private float cash;
       private int k;
       public GasPump() {
               Rprice = 0;
               Sprice = 0;
               Dprice = 0;
               w = 0;
               price = 0;
               L = 0;
               total = 0;
               cash = 0;
               k = -1;
       }
       public float getPrice(){
               return price;
       }
       public float getTotal(){
               return total;
       }
       public float getRegularPrice(){
               return Rprice;
       public float getSuperPrice(){
               return Sprice;
       public float getDieselPrice(){
               return Dprice;
       }
       public int getNumberOfGallons(){
               return L;
       }
```

```
public float getCash(){
       return cash;
}
public int getW(){
       return w;
public int getState(){
       int s=k;
       if(k==5 && w==1)
       {s=1;}
       return s;
}
public final int Activate(float a, float b, float d) {
       if ((k == -1) \&\& (a > 0) \&\& (b > 0) \&\& (d > 0)) {
               k = 0;
               Rprice = a;
               Sprice = b;
               Dprice = d;
               System.out.print("GAS PUMP IS ON");
               System.out.print("\n");
               return 1;
       } else {
               return 0;
       }
}
public final int PayCredit() {
       if (k == 0) {
               k = 2;
               System.out.print("CHECKING CREDIT CARD.");
               System.out.print("\n");
               return 1;
       } else {
               return 0;
       }
}
public final int Reject() {
       if (k == 2) {
               k = 0;
               System.out.print("CREDIT CARD IS REJECTED.");
               System.out.print("\n");
```

```
return 1;
       } else {
               return 0;
       }
}
public final int Cancel() {
       if ((k == 3) | | (k == 4)) {
               k = 0;
               System.out.print("TRANSACTION IS CANCELLED.");
               System.out.print("\n");
               if (w == 0) {
                      System.out.print("$");
                      System.out.print(cash);
                      System.out.print(" OF CASH IS RETURNED");
                      System.out.print("\n");
               return 1;
       } else {
               return 0;
       }
}
public final int Approved() {
       if (k == 2) {
               k = 3;
               w = 1;
               System.out.print("CREDIT CARD APPROVED.");
               System.out.print("\n");
               System.out.print("SELECT TYPE OF GASOLINE:");
               System.out.print("\n");
               System.out.print("a. REGULAR");
               System.out.print("\n");
               System.out.print("b. SUPER");
               System.out.print("\n");
               System.out.print("c. DIESEL");
               System.out.print("\n");
               return 1;
       } else {
               return 0;
       }
}
public final int PayCash(float c) {
       if ((k == 0) \&\& (c > 0)) {
               k = 3;
               w = 0;
```

```
cash = c;
               System.out.print("SELECT TYPE OF GASOLINE:");
               System.out.print("\n");
               System.out.print("a. REGULAR");
               System.out.print("\n");
               System.out.print("b. SUPER");
               System.out.print("\n");
               System.out.print("c. DIESEL");
               System.out.print("\n");
               return 1;
       } else {
               return 0;
       }
}
public final int Regular() {
       if (k == 3) {
               System.out.print("REGULAR IS SELECTED.");
               System.out.print("\n");
               price = Rprice;
               return 1;
       } else {
               return 0;
       }
}
public final int Super() {
       if (k == 3) {
               k = 4;
               System.out.print("SUPER IS SELECTED.");
               System.out.print("\n");
               price = Sprice;
               return 1;
       } else {
               return 0;
       }
}
public final int Diesel() {
       if (k == 3) {
               k = 4;
               System.out.print("DIESEL IS SELECTED.");
               System.out.print("\n");
               price = Dprice;
               return 1;
       } else {
```

```
}
       }
       public final int StartPump() {
              if (k == 4) {
                      k = 5;
                      L = 0;
                      total = 0;
                      System.out.print("PUMP IS READY TO DISPOSE ");
                      System.out.print("\n");
                      System.out.print("# OF LITERS PUMPED: ");
                      System.out.print(L);
                      System.out.print("\n");
                      System.out.print("TOTAL CHARGE: $");
                      System.out.print(total);
                      System.out.print("\n");
                      return 1;
              } else {
                      return 0;
              }
       }
       public final int PumpLiter() {
              if (k == 5) {
                      if ((w == 1) | | ((cash >= price * (L + 1)) && (w == 0))) {
                             L = L + 1;
                             total = L * price;
                             System.out.print("# OF LITERS PUMPED: ");
                             System.out.print(L);
                             System.out.print("\n");
                             System.out.print("TOTAL CHARGE: $");
                             System.out.print(total);
                             System.out.print("\n");
                             System.out.print("CONTINUE PUMPING");
                             System.out.print("\n");
                             return 1;
                      ext{ } = 0 \ \&\& \ (cash < price * (L + 1))) \ \
                             System.out.print("PUMP STOPPED. NOT SUFFICIENT FUNDS.
");
                             System.out.print("\n");
                             System.out.print("# OF LITERS PUMPED: ");
                             System.out.print(L);
                             System.out.print("\n");
                             System.out.print("TOTAL CHARGE: $");
                             System.out.print(total);
```

return 0;

```
System.out.print("\n");
                      if ((w == 0) \&\& (total < cash)) {
                             System.out.print("$");
                             System.out.print(cash - total);
                             System.out.print(" OF CASH IS RETURNED");
                             System.out.print("\n");
                      }
                      System.out.print("DO YOU WANT A RECEIPT?");
                      System.out.print("\n");
                      return 1;
              }
       }
       return 0;
}
public final int StopPump() {
       if (k == 5) {
               k = 6;
               System.out.print("PUMP STOPPED.");
               System.out.print("\n");
               System.out.print("# OF LITERS PUMPED: ");
               System.out.print(L);
               System.out.print("\n");
               System.out.print("TOTAL CHARGE: $");
               System.out.print(total);
               System.out.print("\n");
               if ((w == 0) \&\& (total < cash)) {
                      System.out.print("$");
                      System.out.print(cash - total);
                      System.out.print(" OF CASH IS RETURNED");
                      System.out.print("\n");
               System.out.print("DO YOU WANT A RECEIPT?");
              System.out.print("\n");
              return 1;
       } else {
               return 0;
       }
}
public final int NoReceipt() {
       if (k == 6) {
               k = 0;
              System.out.print("NO RECEIPT IS PRINTED ");
               System.out.print("\n");
```

```
return 1;
               } else {
                      return 0;
               }
       }
       public final int Receipt() {
               if (k == 6) {
                      k = 0;
                      System.out.print("RECEIPT IS PRINTED: ");
                      System.out.print("\n");
                      System.out.print("# OF LITERS PUMPED: ");
                      System.out.print(L);
                      System.out.print("\n");
                      System.out.print("TOTAL CHARGE: $");
                      System.out.print(total);
                      System.out.print("\n");
                      return 1;
               } else {
                      return 0;
               }
       }
       public final int TurnOff() {
              if (k == 0) {
                      System.out.print("GAS PUMP IS TURNED OFF");
                      System.out.print("\n");
                      return 1;
               } else {
                      return 0;
               }
       }
}
```

## Source code for TestDriver.java

```
import java.io.*;
import java.util.*;
public class TestDriver extends GasPump
public static void main(String args[]) throws IOException
      {
            GasPump g=new GasPump();
           float a,b,d,cash;
           int gs;
           Scanner sc=new Scanner(System.in);
           System.out.print("Press enter to continue");
           sc.nextLine();
           int i=0;
           int k;
           while(i==0)
           {
           System.out.println("Test Driver for GasPump Class");
           System.out.println("1. Activate");
            System.out.println("2. PayCredit");
            System.out.println("3. Reject");
           System.out.println("4. Approved");
           System.out.println("5. PayCash");
            System.out.println("6. Cancel");
            System.out.println("7. Regular");
           System.out.println("8. Super");
           System.out.println("9. Diesel");
            System.out.println("10. StartPump");
            System.out.println("11. PumpLiter");
            System.out.println("12. StopPump");
           System.out.println("13. NoReceipt");
           System.out.println("14. Receipt");
            System.out.println("15. TurnOff");
            System.out.println();
            System.out.println();
           System.out.println("Testing Related Methods");
            System.out.println("16. ShowState");
            System.out.println("17. ShowPrice");
            System.out.println("18. ShowW");
            System.out.println("19. Number of Gallons Pumped");
            System.out.println("20. Quit");
```

```
System.out.println("Please select the operation");
x=sc.nextInt();
switch(x)
{
       case 1:
       System.out.println("GasPump Class");
       System.out.println("Activate(float a,float b,float d) method");
       System.out.println();
       System.out.println("Enter R Price");
       a=sc.nextFloat();
       System.out.println("Enter S Price");
       b=sc.nextFloat();
       System.out.println("Enter D Price");
       d=sc.nextFloat();
       System.out.println("The returned value is: "+g.Activate(a,b,d));
       System.out.print("Press enter to continue");
       sc.nextLine();
       sc.nextLine();
       break;
       case 2:
       System.out.println("GasPump Class");
       System.out.println("PayCredit() method");
       System.out.println();
       System.out.println("The returned value is: "+g.PayCredit());
       System.out.print("Press enter to continue");
       sc.nextLine();
       sc.nextLine();
       break;
       case 3:
       System.out.println("GasPump Class");
       System.out.println("Reject() method");
       System.out.println();
       System.out.println("The returned value is: "+g.Reject());
       System.out.print("Press enter to continue");
       sc.nextLine();
       sc.nextLine();
       break;
       case 4:
       System.out.println("GasPump Class");
```

```
System.out.println("Approved() method");
System.out.println();
System.out.println("The returned value is: "+g.Approved());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 5:
System.out.println("GasPump Class");
System.out.println("PayCash(float c) method");
System.out.println();
System.out.println("Enter Cash");
cash=sc.nextFloat();
System.out.println("The returned value is: "+g.PayCash(cash));
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 6:
System.out.println("GasPump Class");
System.out.println("Cancel() method");
System.out.println();
System.out.println("The returned value is: "+g.Cancel());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 7:
System.out.println("GasPump Class");
System.out.println("Regular() method");
System.out.println();
System.out.println("The returned value is: "+g.Regular());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 8:
System.out.println("GasPump Class");
System.out.println("Super() method");
System.out.println();
System.out.println("The returned value is: "+g.Super());
System.out.print("Press enter to continue");
```

```
sc.nextLine();
sc.nextLine();
break;
case 9:
System.out.println("GasPump Class");
System.out.println("Diesel() method");
System.out.println();
System.out.println("The returned value is: "+g.Diesel());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 10:
System.out.println("GasPump Class");
System.out.println("StartPump() method");
System.out.println();
System.out.println("The returned value is: "+g.StartPump());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 11:
System.out.println("GasPump Class");
System.out.println("PumpLiter() method");
System.out.println();
System.out.println("The returned value is: "+g.PumpLiter());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 12:
System.out.println("GasPump Class");
System.out.println("StopPump() method");
System.out.println();
System.out.println("The returned value is: "+g.StopPump());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 13:
System.out.println("GasPump Class");
System.out.println("NoReceipt() method");
```

```
System.out.println();
System.out.println("The returned value is: "+g.NoReceipt());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 14:
System.out.println("GasPump Class");
System.out.println("Receipt() method");
System.out.println();
System.out.println("The returned value is: "+g.Receipt());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 15:
System.out.println("GasPump Class");
System.out.println("TurnOff() method");
System.out.println();
System.out.println("The returned value is: "+g.TurnOff());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break:
case 16:
gs=g.getState();
if(gs==-1)
System.out.println("State: Entry State");
else if(gs==-2)
System.out.println("State: Exit State");
System.out.println("State: S"+g.getState());
System.out.print("Press enter to continue");
sc.nextLine();
sc.nextLine();
break;
case 17:
System.out.println("Price: $ "+g.getPrice());
System.out.println("Total: $"+g.getTotal());
System.out.println("Cash: $"+g.getCash());
System.out.print("Press enter to continue");
```

```
sc.nextLine();
                      sc.nextLine();
                      break;
                      case 18:
                      System.out.println("Value of w: "+g.getW());
                      System.out.print("Press enter to continue");
                      sc.nextLine();
                      sc.nextLine();
                      break;
                      case 19:
                      System.out.println("Number of Gallons pumped:
"+g.getNumberOfGallons());
                      System.out.print("Press enter to continue");
                      sc.nextLine();
                      sc.nextLine();
                      break;
                      case 20:
                      System.out.println("Quit");
                      i=1;
                      break;
                      default:
                      System.out.println("Please enter valid input");
                      System.out.print("Press enter to continue");
                      sc.nextLine();
                      sc.nextLine();
              }
       }
}
```