# Software Testing

# Project Report

# 1) Transition Pair Testing

# State SO

Incoming: T1, T19, T5, T3, T14, T13

Outgoing: T2, T6, T20

Transition Pair	Covering Test Case
(T1, T2)	Test #3
(T1, T6)	Test #1
(T1, T20)	Test #4
(T3, T2)	Test #3
(T3, T6)	Test #5
(T3, T20)	Test #6
(T5, T2)	Test #6
(T5, T6)	Test #3
(T5, T20)	Test #1
(T13, T2)	Test #1
(T13, T6)	Test #7
(T13, T20)	Test #3
(T14, T2)	Test #2
(T14, T6)	Test #2
(T14, T20)	Test #5
(T19, T2)	Test #6
(T19, T6)	Test #5
(T19, T20)	Test #2

# State S1

Incoming: T17, T18 Outgoing: T16, T17

Transition Pair	Covering Test Case
(T17, T16)	Test #2
(T17, T17)	Test #2

(T18, T16)	Test #7
(T18, T17)	Test #2

# State S2

Incoming: T2 Outgoing: T3, T4

Transition Pair	Covering Test Case
(T2, T3)	Test #3
(T2, T4)	Test #1

# State S3

Incoming: T4, T6 Outgoing: T5, T7, T8

Transition Pair	Covering Test Case
(T4, T5)	Test #1
(T4, T7)	Test #2
(T4, T8)	Test #6
(T6, T5)	Test #5
(T6, T7)	Test #1
(T6, T8)	Test #2

# State S4

Incoming: T7, T8

Outgoing: T9, T18, T19

Transition Pair	Covering Test Case
(T7, T9)	Test #1
(T7, T18)	Test #2
(T7, T19)	Test #6
(T8, T9)	Test #3
(T8, T18)	Test #7
(T8, T19)	Test #2

# State S5

Incoming: T9, T10 Outgoing: T10, T11, 12

Transition Pair	Covering Test Case
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(T9, T10)	Test #1	
(T9, T11)	Test #3	
(T9, T12)	Test #2	
(T10, T10)	Test #1	
(T10, T10) (T10, T11)	<b>Test #1</b> Test #7	

#### State S6

Incoming: T11, T12, T16 Outgoing: T13, T14

Transition Pair	Covering Test Case
(T11, T13)	Test #3
(T11, T14)	Test #7
(T12, T13)	Test #1
(T12, T14)	Test #2
(T16, T13)	Test #7
(T16, T14)	Test #2

#### Test Cases:

#### Test #1

Activate(6.5, 8.5), Cash(36.0), Regular(), Start(), Pump(), Pump(), Pump(), Pump(), Pump(), Receipt(), Credit(), Approved(), Cancel(), TurnOff()

Transition: T1 -> T6 -> T7 -> T9 -> T10 -> T10 -> T10 -> T10 -> T10 -> T12 -> T13 -> T2 -> T4 -> T5 -> T20 ->

### <u>Test #2</u>

Activate(3, 4), Cash(1), Regular(), Start(), Pump(), NoReceipt(), Credit(), Approved(), Regular(), Start(), Pump(), Pump(), Stop(), NoReceipt(), Cash(10.0), Diesel(), Cancel(), TurnOff()

Transition: T1 -> T6 -> T7 -> T9 -> T12 -> T14 -> T2 -> T4 -> T7 -> T18 -> T17 -> T17 -> T16 -> T14 -> T6 -> T8 -> T19 -> T20

## <u>Test #3</u>

Activate(6, 4), Credit(), Reject(), Credit(), Approved(), Cancel(), Cash(10), Diesel(), Start(), Stop(), Receipt(), TurnOff()

*Transition: T1 -> T2 -> T3 -> T2 -> T4 -> T5 -> T6 -> T8 -> T9 -> T11 -> T13 -> T20* 

#### Test #4

Activate(4, 5), TurnOff()

Transition: T1 -> T20

### Test #5

Activate(3.0, 4.0), Credit(), Reject(), Cash(5.0), Cancel(), Cash(10), Diesel(), Cancel(), Cash(4), Regular(), Start(), Pump(), Stop(), NoReceipt(), TurnOff()

*Transition:* T1 -> T2 -> T3 -> T6 -> T5 -> T6 -> T8 -> T19 -> T6 -> T7 -> T9 -> T10 -> T12 -> T14 -> T20

#### Test #6

Activate(3.5, 4.0), Credit(), Approved(), Cancel(), Credit(), Approved(), Diesel(), Cash(1), Regular(), Cancel(), Credit(), Reject(), TurnOff()

Transition: T1 -> T2 -> T4 -> T5 -> T2 -> T4 -> T8 -> T19 -> T6 -> T7 -> T19 -> T2 -> T3 -> T20 ->

#### Test #7

Activate(3.0, 4.0), Credit(), Approved(), Diesel(), Start(), Stop(), Receipt(), Cash(40), Diesel(), Start(), Pump(), Stop(), NoReceipt()

Transition: T1 -> T2 -> T4 -> T8 -> T18 -> T16 -> T13 -> (Print: 0 and 0) T6 -> T8 -> T9 -> T10 -> T11 -> T14

### 2) Default/Ghost Transitions Testing

## State "Start"

Default Transition	Covering Test Case
Activate(a, d)[ a <= 0    d <= 0 ]	Test #8
Credit()	Test #8
Reject()	Test #8
Cancel()	Test #8
Approved()	Test #8
Cash(c)	Test #8
Regular()	Test #8
Diesel()	Test #8
Start()	Test #8
Pump()	Test #8
Stop()	Test #8
NoReceipt()	Test #8
Receipt()	Test #8
TurnOff()	Test #8

### <u>Test #8</u>

Activate(-3.0, 4.0), Credit(), Reject(), Cancel(), Approved(), Cash(2), Regular(), Diesel(), Start(), Pump(), Stop(), NoReceipt(), Receipt(), TurnOff()

## State "S0"

Default Transition	Covering Test Case
Activate(a, d)	Test #9
Reject()	Test #9
Cancel()	Test #9
Approved()	Test #9
Cash(c)[ c <= 0 ]	Test #9
Regular()	Test #9
Diesel()	Test #9
Start()	Test #9
Pump()	Test #9
Stop()	Test #9
NoReceipt()	Test #9
Receipt()	Test #9

### <u>Test #9</u>

Activate(3.0, 4.0), Activate(-3.0, 4.0), Reject(), Cancel(), Approved(), Cash(-2), Regular(), Diesel(), Start(), Pump(), Stop(), NoReceipt(), Receipt()

## State "S1"

Default Transition	Covering Test Case
Activate(a, d)	Test #10
Credit()	Test #10
Reject()	Test #10
Cancel()	Test #10
Approved()	Test #10
Cash(c)	Test #10
Regular()	Test #10
Diesel()	Test #10
Start()	Test #10
NoReceipt()	Test #10
Receipt()	Test #10
TurnOff()	Test #10

#### Test #10

Activate(3.0, 4.0), Credit(), Approved(), Regular(), Start(), Activate(-3.0, 4.0), Reject(), Cancel(), Approved(), Cash(-2), Regular(), Diesel(), Start(), NoReceipt(), Receipt()

## State "S2"

Default Transition	Covering Test Case
Activate(a, d)	Test #11
Credit()	Test #11
Cancel()	Test #11
Cash(c)	Test #11
Regular()	Test #11
Diesel()	Test #11
Start()	Test #11
Pump()	Test #11
Stop()	Test #11
NoReceipt()	Test #11
Receipt()	Test #11
TurnOff()	Test #11

# Test #11 - changed to Activate(3.0, 4.0)

Activate(3.0, 4.0), Credit(), Activate(3.0, 4.0), Credit(), Cash(2), Regular(), Diesel(), Start(), Pump(), Stop(), NoReceipt(), Receipt(), TurnOff()

## State "S3"

Default Transition	Covering Test Case
Activate(a, d)	Test #12
Credit()	Test #12
Reject()	Test #12
Approved()	Test #12
Cash(c)	Test #12
Start()	Test #12
Pump()	Test #12
Stop()	Test #12
NoReceipt()	Test #12
Receipt()	Test #12
TurnOff()	Test #12

# <u>Test #12</u>

Activate(3.0, 4.0), Credit(), Approved(), Activate(3.0, 4.0), Credit(), Reject(), Approved(), Cash(2), Start(), Pump(), Stop(), NoReceipt(), Receipt(), TurnOff()

### **State "4"**

Default Transition	Covering Test Case		
Activate(a, d)	Test #13		
Credit()	Test #13		
Reject()	Test #13		
Approved()	Test #13		
Cash(c)	Test #13		
Regular()	Test #13		
Diesel()	Test #13		
Start()[ !(k == 0     k == 1) ]	Test #13 b		
Pump()	Test #13		
Stop()	Test #13		
NoReceipt()	Test #13		
Receipt()	Test #13		
TurnOff()	Test #13		

### Test #13

Activate(3.0, 4.0), Credit(), Approved(), Regular(), Activate(3.0, 4.0), Credit(), Reject(), Approved(), Cash(2), Regular(), Diesel(), Pump(), Stop(), NoReceipt(), Receipt(), TurnOff()

## <u>Test #13 b</u>

Activate(3.0, 4.0), Credit(), Approved(), Regular(), Start() with internal k=2,

## State "S5"

Default Transition	Covering Test Case
Activate(a, d)	Test #14
Credit()	Test #14
Reject()	Test #14
Cancel()	Test #14
Approved()	Test #14
Cash(c)	Test #14
Regular()	Test #14
Diesel()	Test #14
Start()	Test #14
NoReceipt()	Test #14
Receipt()	Test #14
TurnOff()	Test #14

### Test #14

Activate(3.0, 4.0), Cash(5), Regular(), Start()

Activate(3.0, 4.0), Credit(), Reject(), Cancel(), Approved(), Cash(2), Regular(), Diesel(), Start(), NoReceipt(), Receipt(), TurnOff()

# State "S6"

Default Transition	Covering Test Case
Activate(a, d)	Test #15
Credit()	Test #15
Reject()	Test #15
Cancel()	Test #15
Approved()	Test #15
Cash(c)	Test #15
Regular()	Test #15
Diesel()	Test #15
Start()	Test #15
Pump()	Test #15
Stop()	Test #15
TurnOff()	Test #15

### Test #15

Activate(3.0, 4.0), Cash(5), Regular(), Start(), Stop()

Activate(3.0, 4.0), Credit(), Reject(), Cancel(), Approved(), Cash(2), Regular(), Diesel(), Start(), Pump(), Stop(), TurnOff()

## State "End"

Default Transition	Covering Test Case
Activate(a, d)	Test #16
Credit()	Test #16
Reject()	Test #16
Cancel()	Test #16
Approved()	Test #16
Cash(c)	Test #16
Regular()	Test #16
Diesel()	Test #16
Start()	Test #16
Pump()	Test #16
Stop()	Test #16
NoReceipt()	Test #16
Receipt()	Test #16

## <u>Test #16</u>

Activate(3.0, 4.0), Cash(5), Regular(), Start(), Stop(), NoReceipt(), TurnOff(),

Activate(3.0, 4.0), Credit(), Reject(), Cancel(), Approved(), Cash(2), Regular(), Diesel(), Start(), Pump(), Stop(), NoReceipt(), Receipt(), TurnOff()

#### 3) Multiple-conditional Testing

Activate(float a, float d)  
if 
$$((k == -1) && (a > 0) && (d > 0))$$

k == -1	a > 0	d > 0	Test Coverage
Т	Т	Т	Test #17
Т	Т	F	Test #19
Т	F	Т	Test #18
Т	F	F	Test #20
F	Т	Т	Test #21
F	Т	F	Test #23
F	F	T	Test #22
F	F	F	Test #24

#### <u>Test #17</u>

Activate(3.0, 4.0), Activate(3.0, 4.0), Cash(20), Cancel(), TurnOff()

#### Test #18

Activate(-3.0, 4.0), Activate(3.0, 4.0), Cash(20), Cancel(), TurnOff()

#### Test #19

Activate(3.0, -4.0), Activate(3.0, 4.0), Cash(20), Cancel(), TurnOff()

#### Test #20

Activate(-3.0, -4.0), Activate(3.0, 4.0), Cash(20), Cancel(), TurnOff()

#### Test #21

Activate(3.0, 4.0), Activate(3.0, 4.0), Cash(20), Cancel(), TurnOff()

#### Test #22

Activate(3.0, 4.0), Activate(-3.0, 4.0), Cash(20), Cancel(), TurnOff()

#### Test #23

Activate(3.0, 4.0), Activate(3.0, -4.0), Cash(20), Cancel(), TurnOff()

### Test #24

Activate(3.0, 4.0), Activate(-3.0, -4.0), Cash(20), Cancel(), TurnOff()

# public final int Credit() { if (k == 0) {

k == 0	Test Coverage	
Т	Test #25	

|--|

<u>Test #25:</u> Activate(3.0, 4.0), Activate(3.0, 4.0), Credit(), Credit(), Reject()

public	final	int Reject() {
if	(k ==	2) {

k == 2	Test Coverage
Т	Test #26
F	Test #26

<u>Test #26:</u> Activate(3.0, 4.0), Activate(3.0, 4.0), Credit(), Reject(), Reject()

public	final int	<pre>Cancel() {</pre>
if	((k == 3)	$    (k == 4)) $ {

k == 3	k == 4	Test Coverage
Т	Т	Not Executable
Т	F	Test #27
F	Т	Test #29
F	F	Test #28

if (w == 0) {

w == 0	Test Coverage
Т	Test #27
F	Test #30

<u>Test #27:</u> Activate(3.0, 4.0), Activate(3.0, 4.0), Credit(), Credit(), Approved(), Cancel();

<u>Test #28:</u> Activate(3.0, 4.0), Activate(3.0, 4.0), Credit(), Credit(), Approved(), Cancel(), Cancel()

<u>Test #29:</u> Activate(5.0, 6.0), Credit(), Approved(), Regular(), Start(), Pump(), Pump(), Stop(), Receipt(), Cash(20), Regular(), Cancel(), Credit()

<u>Test #30:</u> Activate(5.0, 6.0), Credit(), Approved(), Cancel()

Condition (T T) is not executable because "k" can't be 2 values at the same time hence, these two conditions can't be True at the same time

```
public final int Approved() {
   if (k == 2) {
```

k == 2	Test Coverage
--------	---------------

Т	Test #27
F	Test #31

Test #31: Activate(3.5, 4.5), Approved(), Cash(-20), Regular(), Receipt(), TurnOff()

# public final int Cash(float c) { if (k == 0) {

k == 0	Test Coverage
Т	Test #31
F	Test #32

<u>Test #32</u>: Activate(3.3 4.4), Credit(), Approved(), Regular(), Start(), Cash(-20), Stop(), NoReceipt(), TurnOff()

```
public final int Regular() {
   if (k == 3) {
```

k == 3	Test Coverage
Т	Test #32
F	Test #33

<u>Test #33</u>: Activate(2.6, 3.1), Credit(), Regular(), Diesel(), Start(), Approved(), Regular(), Cancel(), TurnOff()

#### if (w==1)

w == 1	Test Coverage
Т	Test #33
F	Test #31

```
public final int Diesel() {
   if (k == 3) {
```

k == 3	Test Coverage
Т	Test #34
F	Test #33

<u>Test #34</u>: Activate(5.0, 6.0), Credit(), Approved(), Regular(), Start(), Pump(), Pump(), Stop(), Receipt(), Cash(20), Diesel()

```
public final int Start() {
  if (k == 4) {
```

k == 4	Test Coverage
Т	Test #34
F	Test #33

# public final int Pump() { if (k == 5) {

k == 5	Test Coverage
Т	Test #35
F	Test #36

Test #35: Activate(5.0, 6.0), Credit(), Approved(), Regular(), Start(), Pump(), Stop();

<u>Test #36:</u> Activate(3, 3.5), Pump(), Stop(), NoReceipt(), TurnOff()

if $((w == 1) \mid   ((cash > price * (L + 1)) && (w == 0))) $			
w == 1	cash > price * (L + 1)	w == 0	Test coverage
Т	Т	Т	Not Executable, w can't
			be 1 and 0 at same time
Т	Т	F	Test #37
Т	F	Т	Not Executable, w can't
			be 0 and 1 same time
Т	F	F	Test #35
F	Т	Т	Test #38
F	Т	F	Not Executable, both
			(w==0) and (w==1) can't
			be both
			False.
F	F	Т	Test #39
F	F	F	Not Executable, both
			(w==0) and (w==1) can't
			be both
			False.

<u>Test #37:</u> Activate(3, 4), Cash(20), Cancel(), Credit(), Approved(), Regular(), Start(), Pump(), Stop()

<u>Test #38:</u> Activate(3.0f, 4.0f), Credit(), Reject(), gp.Cash(5); gp.Cancel(); gp.Cash(10); gp.Diesel(); gp.Cancel(); gp.Cash(4); gp.Regular(); gp.Start(); gp.Pump(); gp.Stop(); gp.NoReceipt(); gp.TurnOff();

Test #39: Activate(3.3, 4.4), Cash(1.1f), Regular(), Start(), Pump(), NoReceipt(), Credit();

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

w == 0	cash < price * (L + 1)	Test Coverage
Т	Т	Test #39
Т	F	Test #38
F	Т	Not Executable. If (w==0) evaluates to False, then (w==0) must be True.
		With (w==0) being True, the previous if statement if ((w == 1)    ((cash > price * (L + 1)) && (w == 0))) must be evaluated to True, which makes this else if statement unreachable. (re-Confirm)
F	F	Not Executable. If $(w==0)$ evaluates to False, then $(w==0)$ must be True.  With $(w==0)$ being True, the previous if statement if $((w==1)    ((cash > price * (L + 1)) && (w == 0)))$ must be evaluated to True, which makes this else if statement unreachable. $(re-Confirm)$

### if $((w == 0) \&\& (total < cash)) {$

w == 0	total < cash	Test Coverage
Т	Т	Test #39
Т	F	Test #41
F	Т	if ((w == 0) && (total < cash)) is nested inside the previous else if statement. Therefore, when the execution reaches this if statement, (w==0) must be True.
F	F	if ((w == 0) && (total < cash)) is nested inside the previous else if statement. Therefore, when the execution reaches this if statement, (w==0) must be True.

# public final int Stop() { if (k == 5) {

k == 5	Test Coverage
Т	Test #38
F	Test #40

<u>Test #40:</u> Activate(3.0f, 4.0f), Cash(2.0f), Diesel(), Start(); Pump(); Pump(); Pump(); Pump(), Stop();

```
Test #41: Activate(3.0f, 4.0f); Credit(); Reject(); Cash(5); Cancel(); Cash(10);
```

Diesel(); Cancel(); Cash(-3); Regular();

Start(); Pump(); Stop(); NoReceipt(); TurnOff();

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

w == 0	total < cash	Test Coverage
Т	Т	Test #1
Т	F	Not executable, cut total doesn't get updated
		[confirm]
F	Т	Test #37
F	F	Test #35

# public final int NoReceipt() { if (k == 6) {

k == 6	Test Coverage
Т	Test #38
F	Test #36

# public final int Receipt() { if (k == 6) {

k == 6	Test Coverage
Т	Test #34
F	Test #31

# public final int TurnOff() { if (k == 0) {

k == 0	Test Coverage
Т	Test #41
F	Test #42

<u>Test #42:</u> Activate(3.0f, 4.0f); Credit(); Approved(); Diesel(); Start(); Pump(); Pump(); Receipt(); TurnOff();

#### 4) Test Suite

Test#1: Activate 6.5 8.5 Cash 36.0 Regular Start Pump Pump Pump Pump Pump Receipt Credit Approved Cancel TurnOff

Test#2: Activate 3 4 Cash 1 Regular Start Pump NoReceipt Credit Approved Regular Start Pump Pump Stop NoReceipt Cash 10.0 Diesel Cancel TurnOff

Test#3: Activate 6 4 Credit Reject Credit Approved Cancel Cash 10 Diesel Start Stop Receipt TurnOff

Test#4: Activate 4 5 TurnOff

Test#5: Activate 3.0 4.0 Credit Reject Cash 5.0 Cancel Cash 10 Diesel Cancel Cash 4 Regular Start Pump Stop NoReceipt TurnOff

Test#6: Activate 3.5 4.0 Credit Approved Cancel Credit Approved Diesel Cancel Cash 1 Regular Cancel Credit Reject TurnOff

Test#7: Activate 3.0 4.0 Credit Approved Diesel Start Stop Receipt Cash 40 Diesel Start Pump Stop NoReceipt

Test#8: Activate -3.0 4.0 Credit Reject Cancel Approved Cash 2 Regular Diesel Start Pump Stop NoReceipt Receipt TurnOff

Test#9: Activate 3.0 4.0 Activate -3.0 4.0 Reject Cancel Approved Cash -2 Regular Diesel Start Pump Stop NoReceipt Receipt

Test#10: Activate 3.0 4.0 Credit Approved Regular Start Activate -3.0 4.0 Reject Cancel Approved Cash -2 Regular Diesel Start NoReceipt Receipt

Test#11: Activate 3.0 4.0 Credit Activate 3.0 4.0 Credit Cancel Cash 2 Regular Diesel Start Pump Stop NoReceipt Receipt TurnOff

Test#12: Activate 3.0 4.0 Credit Approved Activate 3.0 4.0 Credit Reject Approved Cash 2 Start Pump Stop NoReceipt Receipt TurnOff

Test#13: Activate 3.0 4.0 Credit Approved Regular Activate 3.0 4.0 Credit Reject Approved Cash 2 Regular Diesel Pump Stop NoReceipt Receipt TurnOff

Test#14: Activate 3.0 4.0 Cash 5 Regular Start Activate 3.0 4.0 Credit Reject Cancel Approved Cash 2 Regular Diesel Start NoReceipt TurnOff

Test#15: Activate 3.0 4.0 Cash 5 Regular Start Stop Activate 3.0 4.0 Credit Reject Cancel Approved Cash 2 Regular Diesel Start Pump Stop TurnOff

Test#16: Activate 3.0 4.0 Cash 5 Regular Start Stop NoReceipt TurnOff Activate 3.0 4.0 Credit Reject Cancel Approved Cash 2 Regular Diesel Start Pump Stop NoReceipt Receipt TurnOff

Test#17: Activate 3.0 4.0 Activate 3.0 4.0 Cash 20 Cancel TurnOff

Test#18: Activate -3.0 4.0 Activate 3.0 4.0 Cash 20 Cancel TurnOff

Test#19: Activate 3.0 -4.0 Activate 3.0 4.0 Cash 20 Cancel TurnOff

Test#20: Activate -3.0 -4.0 Activate 3.0 4.0 Cash 20 Cancel TurnOff

Test#21: Activate 3.0 4.0 Activate 3.0 4.0 Cash 20 Cancel TurnOff

Test#22: Activate 3.0 4.0 Activate -3.0 4.0 Cash 20 Cancel TurnOff

Test#23: Activate 3.0 4.0 Activate 3.0 -4.0 Cash 20 Cancel TurnOff

Test#24: Activate 3.0 4.0 Activate -3.0 -4.0 Cash 20 Cancel TurnOff

Test#25: Activate 3.0 4.0 Activate 3.0 4.0 Credit Credit Reject

Test#26: Activate 3.0 4.0 Activate 3.0 4.0 Credit Credit Reject Reject

Test#27: Activate 3.0 4.0 Activate 3.0 4.0 Credit Credit Approved Cancel

Test#28: Activate 3.0 4.0 Activate 3.0 4.0 Credit Credit Approved Cancel Cancel

Test#29: Activate 5.0 6.0 Credit Approved Regular Start Pump Pump Stop Receipt Cash 20 Regular Cancel Credit

Test#30: Activate 5.0 6.0 Credit Approved Cancel

Test#31: Activate 3.5 4.5 Approved Cash -20 Regular Receipt TurnOff

Test#32: Activate 3.3 4.4 Credit Approved Regular Start Cash -20 Stop NoReceipt TurnOff

Test#33: Activate 2.6 3.1 Credit Regular Diesel Start Approved Regular Cancel TurnOff

Test#34: Activate 5.0 6.0 Credit Approved Regular Start Pump Pump Stop Receipt Cash 20 Diesel

Test#35: Activate 5.0 6.0 Credit Approved Regular Start Pump Stop

Test#36: Activate 3 3.5 Pump Stop NoReceipt TurnOff

Test#37: Activate 3 4 Cash 20 Cancel Credit Approved Regular Start Pump Stop

Test#38: Activate 3.0 4.0 Credit Reject Cash 5 Cancel Cash 10 Diesel Cancel Cash 4 Regular Start Pump Stop NoReceipt TurnOff

Test#39: Activate 3.3 4.4 Cash 1.1 Regular Start Pump NoReceipt Credit

Test#40: Activate 3.0 4.0 Cash 2.0 Diesel Start Pump Pump Pump Stop

Test#41: Activate 3.0 4.0 Credit Reject Cash 5 Cancel Cash 10 Diesel Cancel Cash -3 Regular Start Pump Stop NoReceipt TurnOff

Test#42: Activate 3.0 4.0 Credit Approved Diesel Start Pump Pump Receipt TurnOff \$\$

5) Test Results