**Psuedocode**

chargesCustomer = 0

totalChargesMachine = 0

print “Welcome to Pay and Go Parking”

print “+ to add 30 minutes ($1.00 charge)”

print “p to print the ticket”

print “r to restart the program”

print “Please enter your selection: “

input userOption

now = current date and time

paidTill = now

while userOption != ‘x’

switch userOption

case ‘+’

paidTill = now + 30 minutes

chargesCustomer += 1

print “-------------------------------------------------“

print “Current Time: “ + now

print “Paid Till: “ + paidTill

print “Current Charge: $” + chargesCustomer

print “-------------------------------------------------“

print “Welcome to Pay and Go Parking”

print “+ to add 30 minutes ($1.00 charge)”

print “p to print the ticket”

print “r to restart the program”

print “Please enter your selection: “

input userOption

break

case ‘r’

chargesCustomer = 0

paidTill = now

print “-------------------------------------------------“

print “Current Time: “ + now

print “Paid Till: “ + paidTill

print “Current Charge: $” + chargesCustomer

print “-------------------------------------------------“

print “Welcome to Pay and Go Parking”

print “+ to add 30 minutes ($1.00 charge)”

print “p to print the ticket”

print “r to restart the program”

print “Please enter your selection: “

input userOption

break

case ‘p’

print “Enter Credit Card Number: “

input creditCardNumber

totalChargesMachine += chargesCustomer

print “Enter 3 digit security code from back of Credit Card: “

input creditCardSecurity

print “-------------------------------------------------”

print “Pay and Go Parking”

print “Lot Location: 123 Main St,”

print “Honolulu, Hawaii”

print “-------------------------------------------------“

print “Current Time: “ + now

print “Paid Till: “ + paidTill

print “Total charged to Credit Card: $” + chargesCustomer

print “=================================================”

print “Tear off receipt and place on dash”

print “Press any key to continue….”

input

chargesCustomer = 0

paidTill = now

print “-------------------------------------------------“

print “Current Time: “ + now

print “Paid Till: “ + paidTill

print “Current Charge: $” + chargesCustomer

print “-------------------------------------------------“

print “Welcome to Pay and Go Parking”

print “+ to add 30 minutes ($1.00 charge)”

print “p to print the ticket”

print “r to restart the program”

print “Please enter your selection: “

input userOption

break

endSwitch

endWhile

print “Totals for Pay and Go Parking”

print “=============================”

print “Totals $” + totalChargesMachine

**Test Plan**

+ - added 30 minutes

p – input cc info and prints ticket

r – reset the charges and the time

x – exits the program

**Step 1**

Input:

Press + two times

Press ‘p’

Expected output:

paid time should be one hour > current time

Charge should be $2.00

**Step 2**

Input:

Press + 4 times

Press ‘r’

Expected output:

paid time should be the same as current time

charge should be $0.00

**Step 3**

Input:

press + 6 times

press ‘p’

Expected output:

paid time should be 3 hours greater than current time

charge should be $6.00

**Step 4**

Input:

press + 3 times

press ‘p’

Expected output:

paid time should be 3 hours greater than current time

charge should be $3.00

**Step 5**

Input:

Press ‘x’ to exit the program

Expected output:

Total charged should be $11.00