Payment Test Plan

Variables:
String: ID (Users Full Name)
Integer: cardNum (User Credit Card Number)
Integer: cardExp (User Credit Card Expiration)
Integer: CCV (User Card Code Verification)
Boolean: Transaction

Functions:
After the user creates an account they will be able to purchase train tickets through DepPayment() by calling the requestInfo() function. In the DepPayment() function it will allow the user to input their credit card information and will set the users input to each variable (full name, credit card number, credit card expiration, card code verification). The user will also have an option to receive a refund through the RefPayment(). In order for the user to receive a refund the system will go through storage(get.Info) to obtain the information needed to refund the user.

The expected output for this test will look like:

```
Payment() {

        DepPayment();//DepPayment function will call the requestInfo()
        RefPayment();// RefPayment function will call get.(Info) in storage
}

Public Boolean Transaction(String ID, int cardNum, int cardExp, int CCV) {
        DepPayment();// calls requestInfo() to get account information
        println("Please enter your card information to purchase ticket:")
        If(//required payment information is correct) {
        println("Payment Successful")
        return true;
        }
        else() {
        println("Payment Declined"
        return false;
        }
}
```

Name: "Isaac Pompa"
Card Number: 4400 3900 4000 1000
Card Expiration: 12/25
CCV: 500

The system will then return true if Transaction is successful if not it will return false, declining the payment. The system will also store the total purchase in storage under int TotalPayment; , To keep track of user(s) recent purchases. This would be helpful if the user wants a refund, we would pull up the user purchase from storage and refund the amount to the credit card used.

If DepPayment() returns true the system will print "Transaction Successful"
If Depayment() returns false the system will print " Transaction Denied"

RefPayment() {

        get.(Info)//get.(Info) will get called to obtain the users past purchase through storage

}

When the user requests a refund to the system it will retrieve the users information by going

through storage(get.Info) to obtain the users credit card information to be able to refund the user.