Use Case	Design Element (Classes)	Code	Test Cases
Creating Customer	1- Customer, CartManager Classes. 2-Customer Management, Customer Components	1- edu.gatech.seclass.tccart.MainMenuActivity.OnCreate Method 2- edu.gatech.seclass.tccart.business.CartManager.getCurrentCustomer Method 3- edu.gatech.seclass.tccart.MainMenuActivity.openCustomerManagementNew Method 4- edu.gatech.seclass.tccart.CustomerManagementEditActivity.OnCreate Method 5- edu.gatech.seclass.tccart.CustomerManagementEditActivity.OnSave Method 6-edu.gatech.seclass.tccart.business.CartManager.AddNewOrEditCustomer Method 7- edu.gatech.seclass.tccart.CustomerManagementActivity.OnPrintCard Method 8- edu.gatech.seclass.tccart.business.CartManager.PrintCustomerCard Method	1- Starting the program 2- Adding customer 3- Adding customer with wrong email address 4- Adding customer which already exists in the database 5- Customer card printing
Finding Customer	1- Customer, CartManager Classes. 2-Customer Management, Customer Components	1- edu.gatech.seclass.tccart.MainMenuActivity.OnCreate Method 2- edu.gatech.seclass.tccart.MainMenuActivity.scanCustomerCard Method 3- edu.gatech.seclass.tccart.business.CartManager.LocateCustomerWithCustomerCard Method	1- Finding customer 2- Finding customer with bad customer card
Modify Customer Name/Email	1- Customer, CartManager Classes. 2- Customer Management, Customer Components	1- edu.gatech.seclass.tccart.MainMenuActivity.OnCreate Method 2- edu.gatech.seclass.tccart.MainMenuActivity.openCustomerManagement Method 3- edu.gatech.seclass.tccart.CustomerManagementActivity.OnEdit Method 4- edu.gatech.seclass.tccart.CustomerManagementActivityEdit.OnCreate Method 5- edu.gatech.seclass.tccart.CustomerManagementActivityEdit.OnSave Method 6- edu.gatech.seclass.tccart.business.CartManager.AddNewOrEditCustomer Method	1- Modifying customer name 2- Modifying customer email 3- Modifying customer email to an existing one
Place Order	1- Customer, CartManager Classes. 2- Item, Order, Transaction Classes. 3- CreditCard Class 4- CreditCardScanner, CreditCardProcessor, Email utilities	1- edu.gatech.seclass.tccart.MainMenuActivity.OnCreate Method 2- edu.gatech.seclass.tccart.MainMenuActivity.openOrderManagement Method 3- edu.gatech.seclass.tccart.OrderManagementActivity.onCreate Method 4- edu.gatech.seclass.tccart.OrderManagementActivity.addItem Method 5- edu.gatech.seclass.tccart.OrderManagementActivity.updateCartTotal Method 6- edu.gatech.seclass.tccart.OrderManagementActivity.updateTotals Method 7- edu.gatech.seclass.tccart.business.CartManager.saveCurrentCustomer Method 8- edu.gatech.seclass.tccart.OrderManagementActivity.openPaymentManagement Method 9-edu.gatech.seclass.tccart.business.CartManager.setCurrentTransaction Method 10- edu.gatech.seclass.tccart.Item.setUnitPrice Method 11- edu.gatech.seclass.tccart.Item.setItemName Method 12- edu.gatech.seclass.tccart.PaymentManagementActivity.onCreate Method 13- edu.gatech.seclass.tccart.PaymentManagementActivity.swipeCard Method 14- edu.gatech.seclass.tccart.PaymentManagementActivity.pmtProcess Method 15- edu.gatech.seclass.tccart.PaymentManagementActivity.addTransaction Method 16-edu.gatech.seclass.tccart.business.CartManager.getCurrentTransaction Method 17-edu.gatech.seclass.tccart.business.CartManager.saveCurrentTransaction Method 18- edu.gatech.seclass.tccart.PaymentManagementActivity.updateCustomerStatusAndSendEmail Method 19- edu.gatech.seclass.tccart.PaymentManagementActivity.sendNotification Method	1- Placing order 2- Placing order with no item in cart 3- Add an item with empty unit price 4- Swiping credit card 5- Swiping bad credit card 6- Payment suceed but email not sent 7- Purchase: scenario1 8- Purchase: scenario2 9- Purchase: scenario3 10- Purchase: scenario4 11- Purchase: scenario5 12- Purchase: scenario6 13- Purchase: scenario7
Order History	1- Customer, CartManager Classes.	1- edu.gatech.seclass.tccart.MainMenuActivity.OnCreate Method 2- edu.gatech.seclass.tccart.MainMenuActivity.openCustomerManagement Method 3- edu.gatech.seclass.tccart.CustomerManagementActivity.OnShowTransactions Method 4- edu.gatech.seclass.tccart.TransactionHistoryActivity.OnCreate Method 5- edu.gatech.seclass.tccart.business.CartManager.getCurrentCustomerTransactions Method	1- Order history display 2- Database maintanence case1 3- Database maintanence case2