

Business Requirement ID	Business Requirement Description	System Component	Test Case Reference Number
CCS-100	The coffee cart owner must be able to add VIP customers to the system.	(UI) Customers —> Add New  <b>CustomerAddOrUpdate.java</b>	TC 5.1 Add/Edit Customer
CCS-101	The system needs to know name, phone number, birth date, and assigned VIP card number of the customer.	<b>CustomerAddOrUpdate.java</b> uses createCustomer()  <b>Customer.class</b> uses setCardNumber(), setCustName(), setPhoneNumber(), setBirthdate()	TC 5.1 Add/Edit Customer
CCS-102	Each customer can have only one VIP card	<b>CustomerAddORUpdate.java</b> uses custFoundDialog()	TC 1.4
CCS-200	The coffee cart owner must be able to remove VIP customers from the system. When a customer is removed, all data is permanently deleted.	(UI) Customers —> <click on customer> —> Edit Customer —> Delete Customer  <b>CustomerAddOrUpdate.java</b> uses deleteCustomer()	TC 5.2 Delete Customer
CCS-300	The coffee cart owner must be able to edit the information stored in the system for a VIP customer, such as change his or her phone number.	(UI) Customers —> <click on customer> —> Edit Customer  <b>CustomerAddOrUpdate.java</b> uses setCustName(), setPhoneNumber(), setBirthday(), setCardNumber()	TC 5.1 Add/Edit Customer
CCS-400	The coffee cart owner must be able to add VIP customer purchases.	(UI) Customers —> <click on customer> —> New Purchase —> <click on item> —> <click on Buy Item>  <b>PurchaseAdd.java</b>	TC 1.1 TC 1.2 TC 1.3

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CCS-401	VIP customers are awarded 1 VIP point for each dollar spent if they show their card when making a purchase. Partial dollars spent are rounded up ( .5 is rounded up) or down to the closest integer when computing points for a purchase.	<b>(UI)</b> Customers —> <click on customer> —> New Purchase —> <click on item>  <b>PurchaseAdd.java</b> uses updateTotals()	TC 2.1
CCS-500	At any time, the coffee cart system should be able to calculate the items that a given VIP customer has purchased.	<b>(UI)</b> Customers —> <click on customer> —> View Report —> View Purchase History  <b>PurchaseHistory.java</b>	TC 4.1
CCS-501	At any time, the coffee cart system should be able to calculate the points a VIP customer has earned in the last 30 days and in total (i.e., since becoming a member).	<b>(UI)</b> Customers —> <click on customer> —> View Report  <b>CustomerInfo.java</b> uses getGoldMember(), get30DayPointsTotal() , getPointsTotal()	TC 2.1
CCS-600	VIP customers can also pre-order desserts as early as a month in advance unless the pre-order slots for the order pickup day are filled.	<b>(UI)</b> Customers —> <click on customer> —> New Preorder  <b>PreOrder.java</b> <b>PreOrderAdd.java</b> <b>PreOrderAddDate.java</b> uses findOpenPreorderDates()	TC 3.1 TC 3.2 TC 3.3
CCS-601	Each type of dessert has 5 daily pre-order slots, except for bestsellers, which have only 3 daily pre-order slots.	<b>PreOrder.java</b> <b>PreOrderAddDate.java</b> uses findOpenPreorderDates(), findByDate()	TC 3.1 TC 3.2 TC 3.3

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CCS-700	A customer who earns more than 500 VIP points in 30 days is upgraded to GOLD level and remains at that level until the number of points go below 500 in the last 30 days.	<b>Customer.java</b> uses isGoldMember() getGoldMember() get30DayPointsTotal() getPointsTotal()	TC 2.2
CCS-701	A customer who earns a total of 5000 VIP points is permanently upgraded to GOLD level.	<b>Customer.java</b> uses isGoldMember() getGoldMember() get30DayPointsTotal() getPointsTotal()	TC 2.3
CCS-702	Having GOLD level allows the VIP customer to get an unlimited number of refills on purchased coffee.	<b>PurchaseAdd.java</b> <b>Item.java</b> uses isGoldMember()	TC 1.3
CCS-703	VIP customers without GOLD level can have their coffee cup refilled at half price.	<b>PurchaseAdd.java</b> <b>Item.java</b> uses isGoldMember()	TC 1.2
CCS-800	The coffee cart owner can generate a daily report of the items purchased by VIP members on the current day.	(UI) View Sales —> <select date> —> <select sales # and/or customer>  <b>SalesViewByDate.java</b> , <b>SalesList.java</b> , <b>SalesViewLineItems.java</b>	TC 4.1
CCS-801	The coffee cart owner can generate a daily report of the items pre-ordered by VIP members on the current day.	(UI) View Preorders —> <select date>  <b>PreorderViewByDate.java</b> <b>PreordersList.java</b> <b>Preorder.java</b>	TC 4.2
CCS-900	The user interface (UI) of the app must be intuitive and responsive.	all xml files in layout	TC 6.1