Non trivial steps are indicated with an asterisk(*) symbol.

UC 1: Register

| Precondition: System does not have a registered account in the Mobile Vending system for the System user	
Actor : System User	**System : Mobile Vending System**
	0.System Displays the Main Application screen (figure 1)**.**
1. TUCBW The System User selects the Register function on Main Application screen.	2.System Displays the registration form in registration screen (figure 2).
3.System user fills the details and clicks on register button.	***4.System registers the user and then user is redirected back to Login page (refer figure 1); and displays registration successful message (figure 3).
5.TUCEW the user sees the registration successful message and sees the return to the Main Application screen	
Post condition: The system creates a new account for system user	
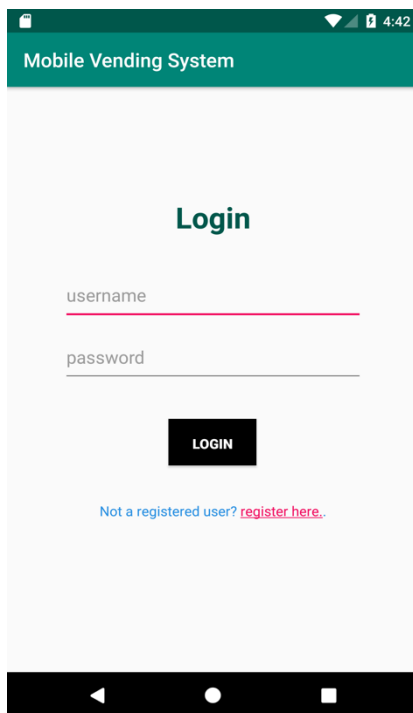
Figure 1
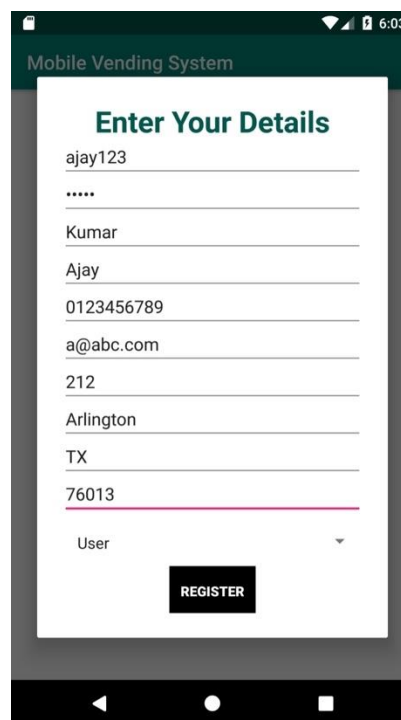
Figure 2
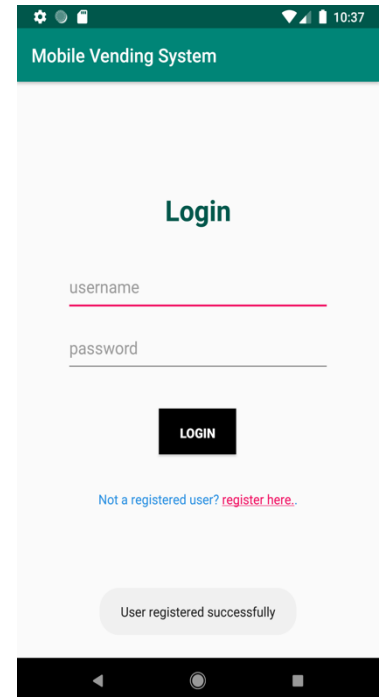
Figure 3

UC 2: Login

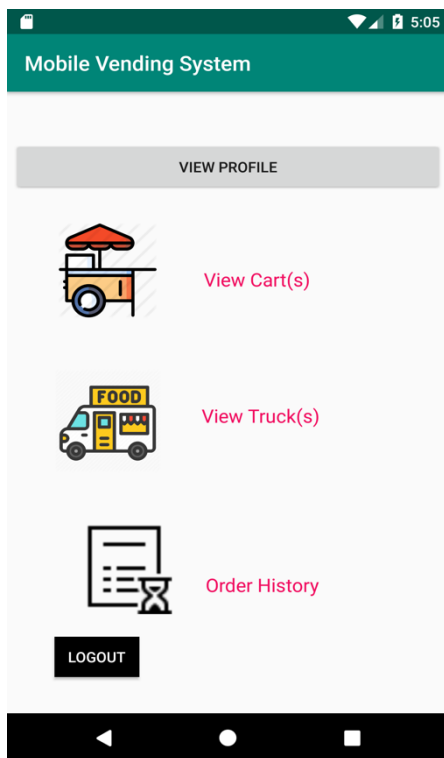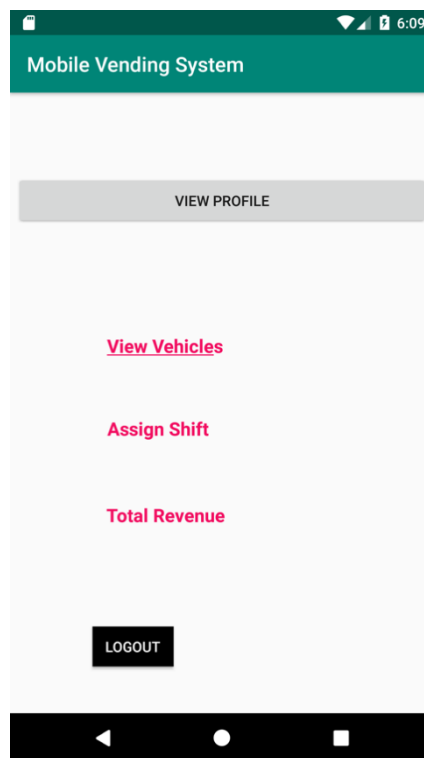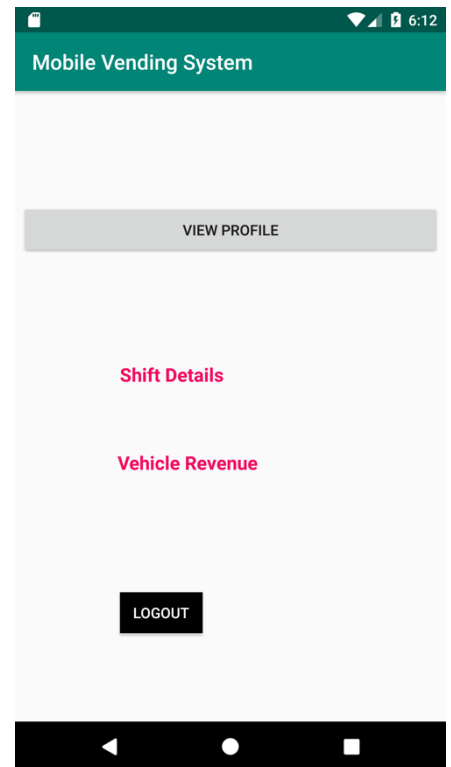| Precondition: The system has an account in the Mobile Vending System for the System User	
Actor: System User	**System: Mobile Vending System**
	0. System displays the Login page (Refer figure 1 above).
1. **TUCBW** the user enters the username, password and selects "Login".	*2. The system displays different pages in different scenarios. (i) Vending user will be shown vending manager home page. (figure 4) (ii) Vending Manager will be shown vending user homepage. (figure 5) (iii) Vending Operator will be shown vending operator Homepage. (figure 6)
3**. TUCEW** the user gains access into the system and sees their function list on their homepage.	
Post condition: The system retrieves the user account where user is eligible to access the appropriate user functions.	

Figure 4

Figure 5

Figure 6

UC 3: Logout

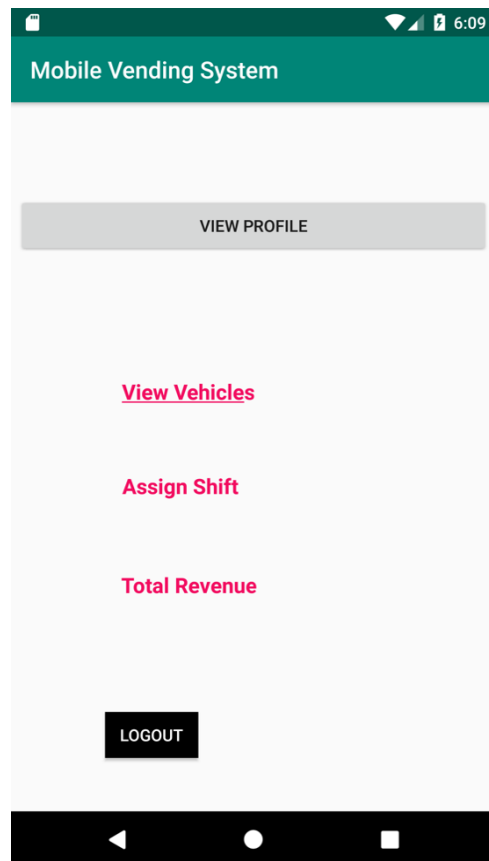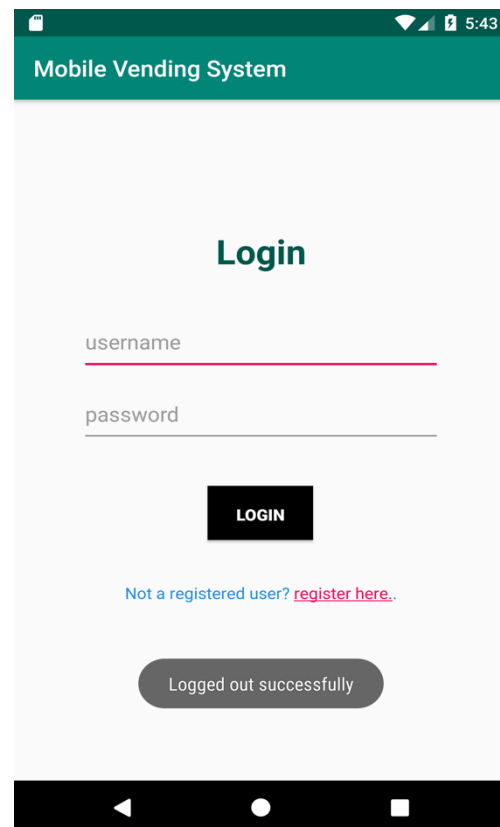| Precondition: The system shows the user logged into their account	
Actor: System User	System: Mobile Vending System
	0. System displays the current page the user is in. (figure 7)
1. **TUCBW** the user selects the "Logout" function.	2. The system logs the user out of the system and redirects the user to the main application page and displays a success message (figure 8)
3**. TUCEW** the user sees success message after successful logout	
Post condition: The system displays the main application page after user is logged out.	

Figure 7

Figure 8

UC 4: View Profile

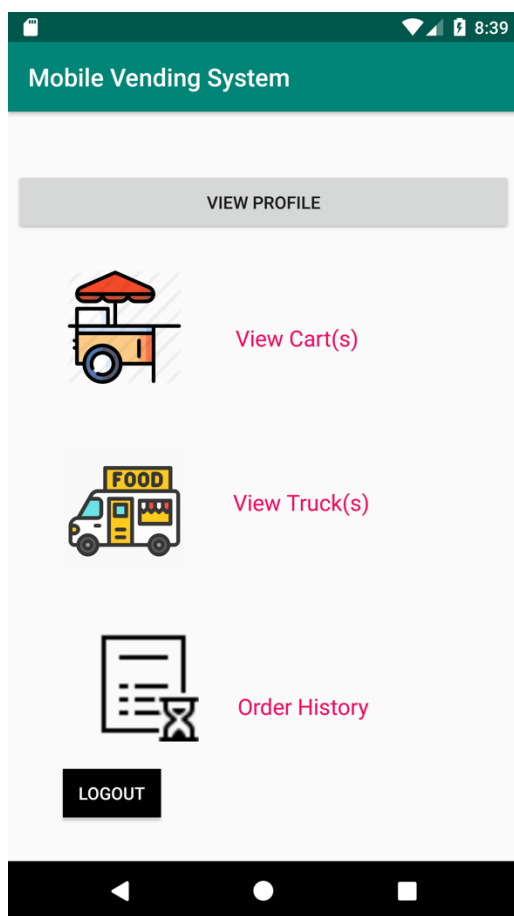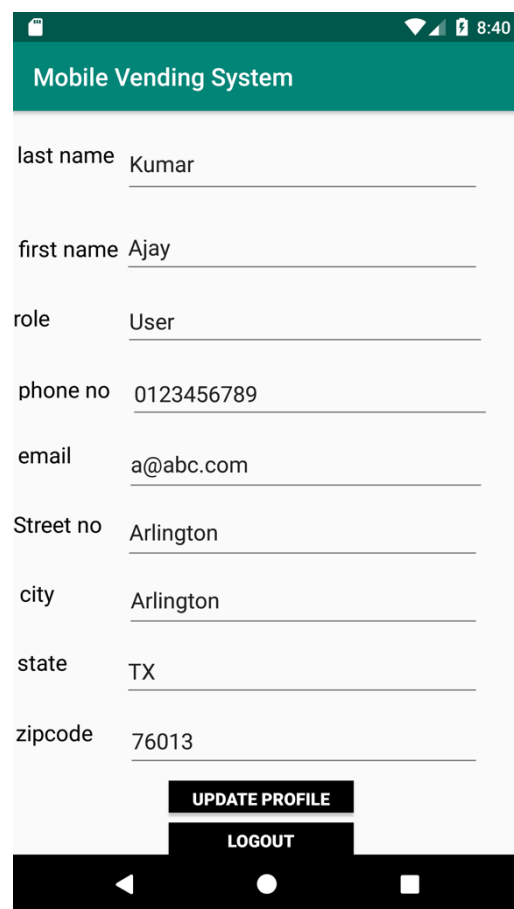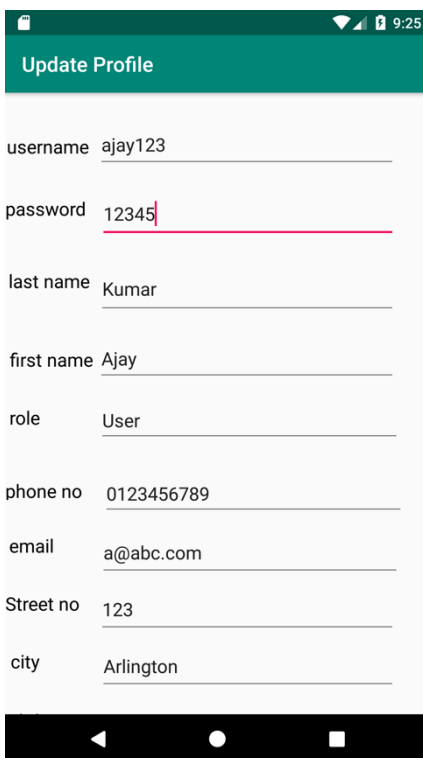| Precondition: The system shows the user logged in.	
Actor: System User	**System: Mobile Vending System**
	0. System displays the homepage of the user (figure 9)
1. **TUCBW** the user selects "View Profile" from the list of functions	*2. The system displays the profile details of the logged in user (figure 10)
3**. TUCEW** the user sees the profile details displayed. The user can navigate back to the user homepage	
Post condition: The system displays the view profile page.	

Figure 9

Figure 10

UC 5: Update Profile

Precondition: The system shows the user is logged in and it is showing the View Profile page	
Actor: System User	**System: Mobile Vending System**
	0. System displays the view profile page (Refer figure 10 above)
1. **TUCBW** the user selects "Update Profile" function from the view profile page	2. The system redirects the user to the update information form (figure 11)
3. The user fills the Update information form and selects the "Submit" button.	*****4. System shows the updated information (figure 12) and displays a confirmation message (figure 13)
5**. TUCEW** the user sees the success message notifying profile update. The user can navigate back to the user homepage.	
Post condition: The system updates the information and displays the user profile	
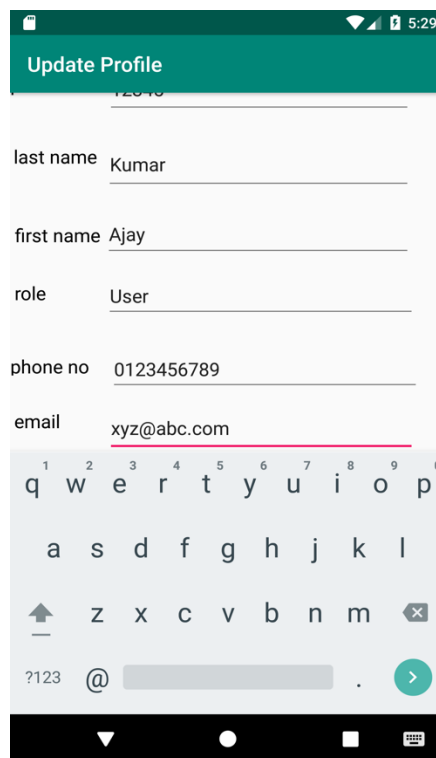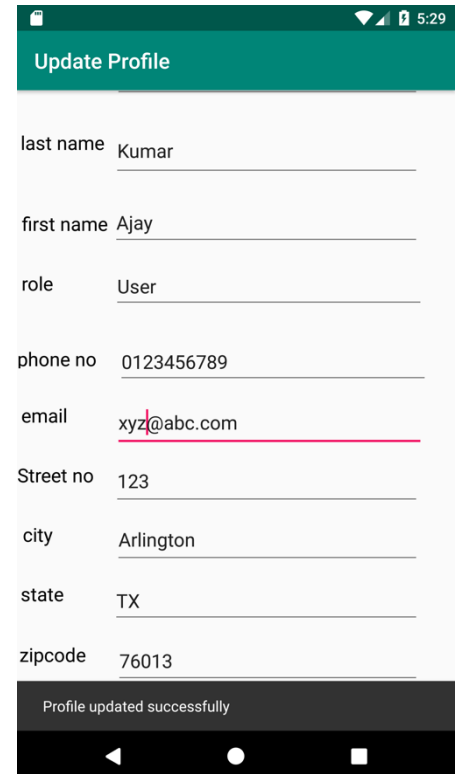
Figure 11

Figure 12

Figure 13

UC6: View cart(s)

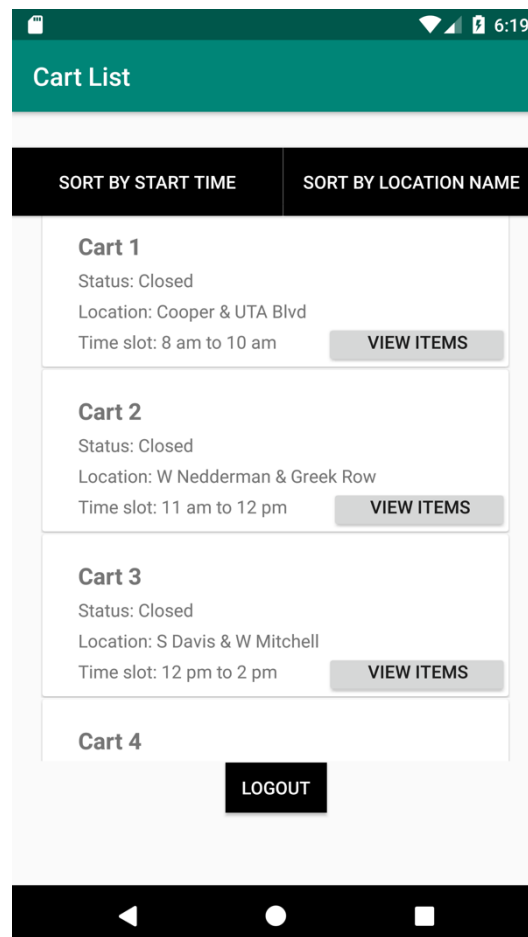| Precondition: *The system shows the user logged in as vending user*	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays the vending user homepage with list of selectable functions (Refer figure 4 above).
1. **TUCBW** the user selects "View cart(s)" in their function list.	*****2. The system displays a selectable list of carts sorted based on start time. It can also be sorted based on alphabetic order of location name of the carts (figure 14).
3**. TUCEW** the user sees a list of selectable carts. The user can navigate back to the user homepage from here.	
Post condition: The system displays a list of selectable carts; from which items can be viewed.	

Figure 14

UC7: View Trucks(s)

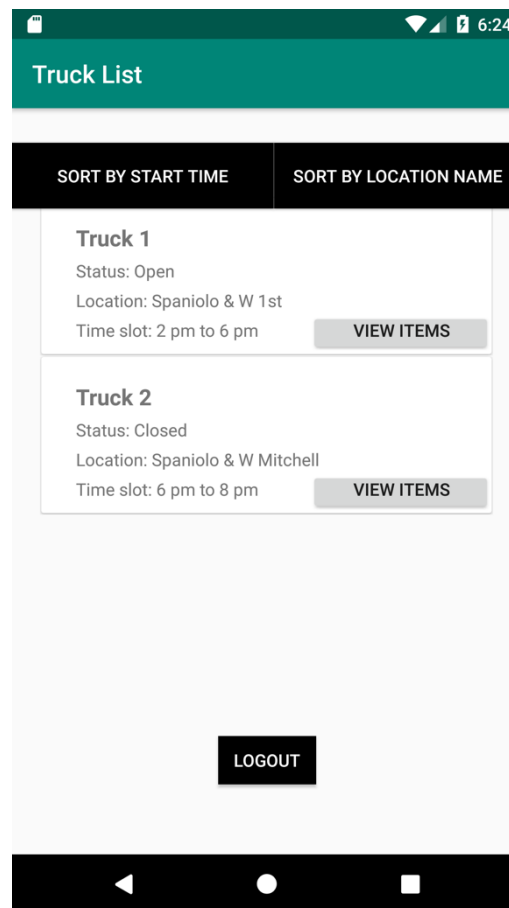| Precondition: *The system shows the user logged in and it is showing the user the main page.*	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays the vending user homepage with list of selectable functions (Refer figure 4 above).
1. **TUCBW** the user selects "View Truck(s)" in their function list.	*2. The system displays a selectable list of trucks sorted based on start time. It can also be sorted based on alphabetic order of location name of the Trucks (figure 15).
3. **TUCEW** the user sees a list of selectable trucks. The user can navigate back to the user homepage from here.	
Post condition: The system displays a list of selectable trucks.	

Figure 15

UC8: View Items

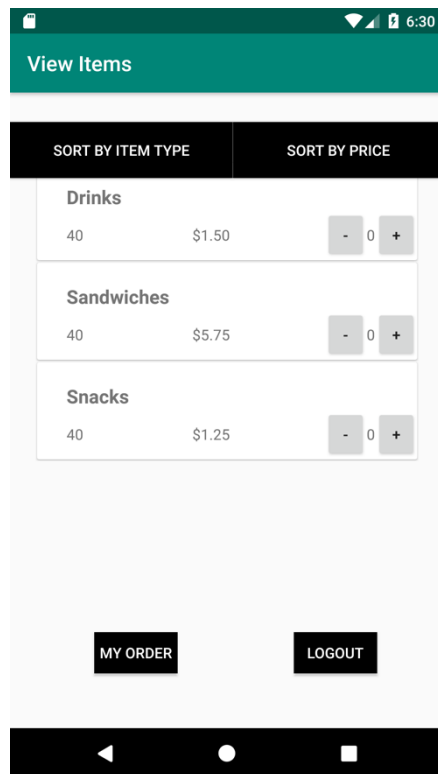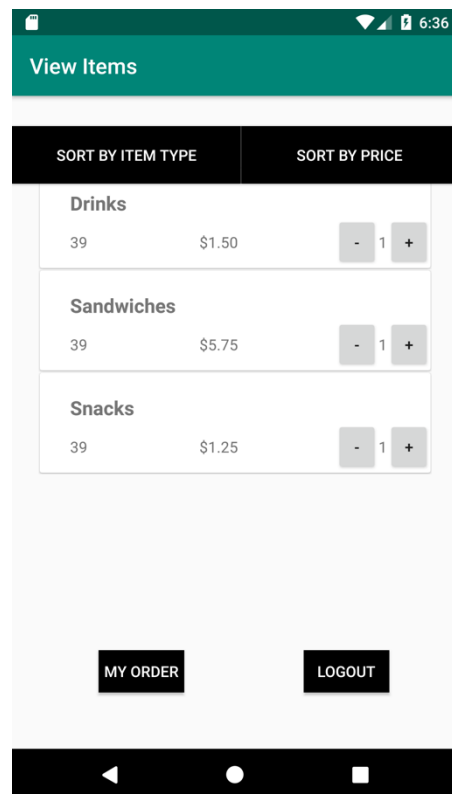| Precondition: *The system shows the user logged in*	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays the view cart/view truck page (as shown in figure 14/figure 15 above).
1. **TUCBW** the user selects "View Items" from any one of the cart/trucks from the selectable list.	*2. The system displays a list of different items available; and quantities, and price of each item sorted based on alphabetical order of item type. It can also be sorted based on price(figure 16).
3. **T**he user selects the quantity of required items from the list.	4.The system shows the quantity of items left in the inventory and the quantity selected by the user (figure 17).
5. **TUCEW** the user selects the "My order" function. The vending User can choose to navigate back to the view cart(s)/view truck(s) page before proceeding.	
Post condition: The system redirects to the My order page or to the previous page	

Figure 16

Figure 17

UC 9: My Order

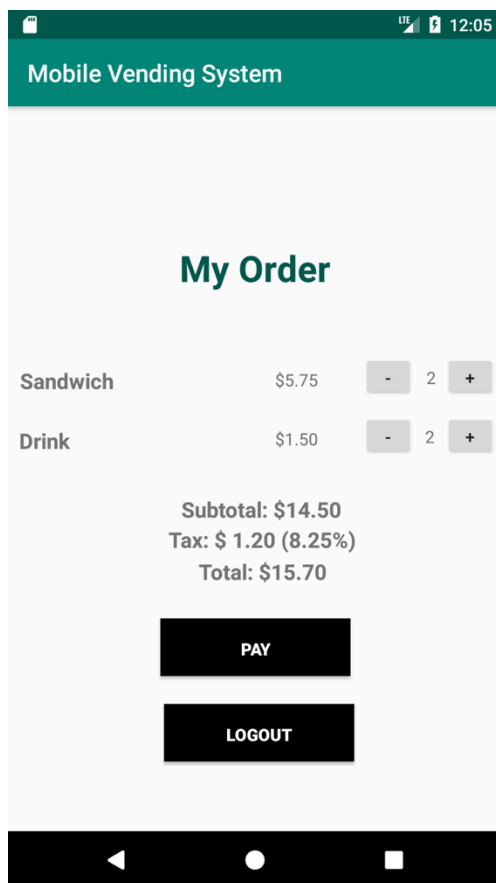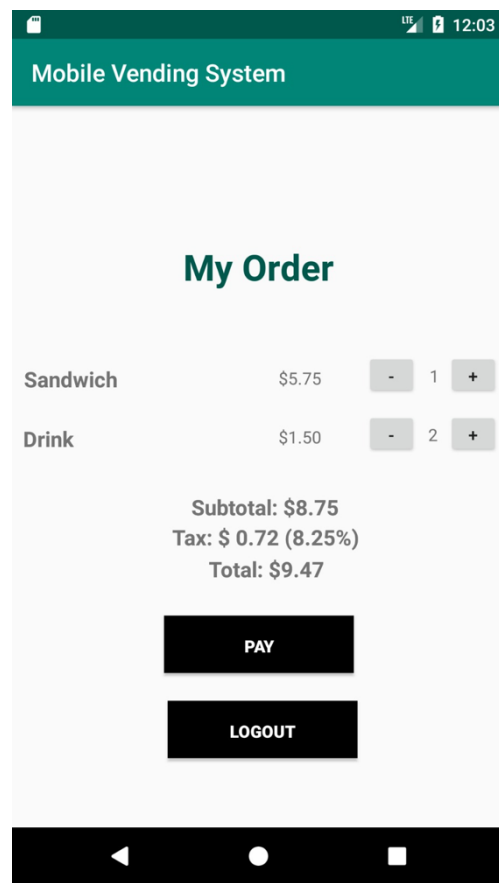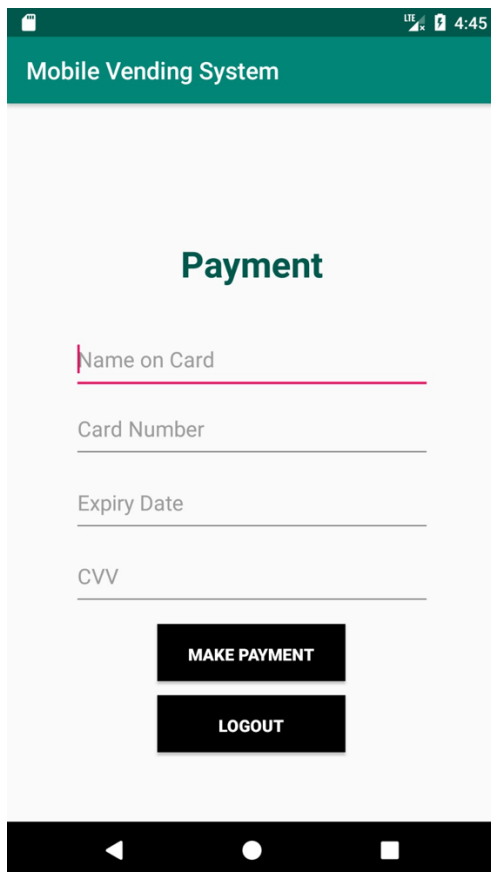| Precondition: The system shows the user logged in.	
Actor: System User	**System: Mobile Vending System**
	0. The system displays "My Order" page with the items selected by the user, the quantities of the items selected, and the price of each item selected (figure 18.)
1. **TUCBW** the user views the list displayed and makes final changes to the order if necessary	*****2. The system updates the changes made by the user; if any , and displays the updated information (figure 19).
3**. TUCEW** the user selects the "Pay" option. The user can navigate back to the view cart(s)/view truck(s) page before proceeding.	
Post condition: The system redirects to the payment page	

Figure 18

Figure 19

UC10: Payment

Precondition: The system shows the user is logged in and is in the payment page	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays the payment page (figure 20)
1. **TUCBW** the user enters the card details and selects the "make payment" option.	2. The system accepts the payment details (figure 21).
3**. TUCEW** the user sees his order details. The user can navigate back to the view items page.	
Post condition: The system generates a receipt for the transaction	

Figure 20

Figure 21

UC11: Receipt

Precondition: The system has the user is logged in and has made a transaction	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays a detailed receipt about the order information (figure 22)
1. **TUCBW** the receipt is displayed	2. The system gives the user two options to choose from; as shown in figure 22 : i)Picked-up order ii)cancel order
3. The user selects the appropriate option to update the status of the order	*4.The system updates the order status; and redirects the user to order history page (figure 23).
5. **TUCEW** the user is redirected to the order history page. The user can navigate back to the user homepage from there.	
Post condition: The system displays the order history.	

Figure 22

Figure 23

UC12: Cancel order

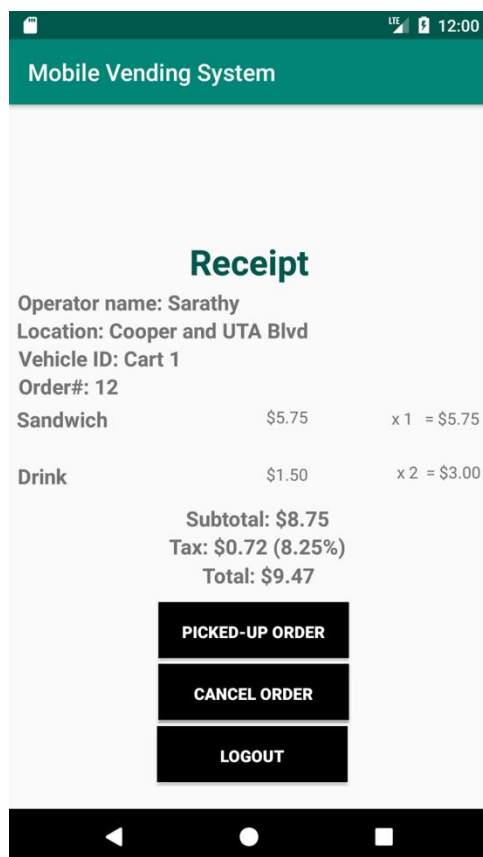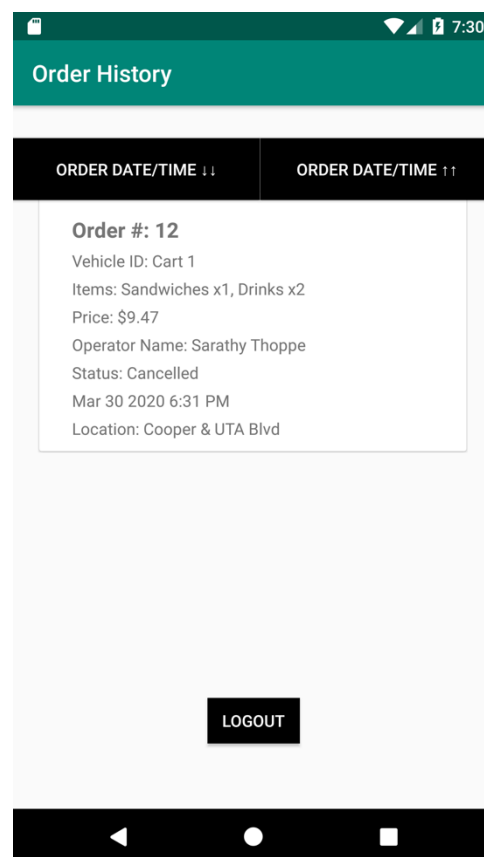| Precondition: The system shows the user is logged in and has made a transaction	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays the order receipt (Refer figure 22 above).
1. **TUCBW** the user selects the "cancel order" option.	*****2. The system updates the quantity of cancelled items back to inventory; and updates order status to cancelled (Refer figure 23 above).
3. **TUCEW** the user is redirected to the order history page. The user can navigate back to the user homepage from there.	
Post condition: The system shows the order history page with the most recent transactions.	

UC13: Order History

Precondition: The system shows the user is logged in	
Actor: Vending User	**System: Mobile Vending System**
	0. System displays the user homepage. (Refer figure 4 above).
1. **TUCBW** the user selects "order history" in their functions list.	*****2. The system redirects the user to the Order History Page which displays the list of all the previous order made in the system in chronological order (Refer figure 23 above).
3**. TUCEW** the user sees the order history page. The user can navigate back to the user homepage.	
Post condition: The system displays the Order History Page.	

UC14: View Vehicles

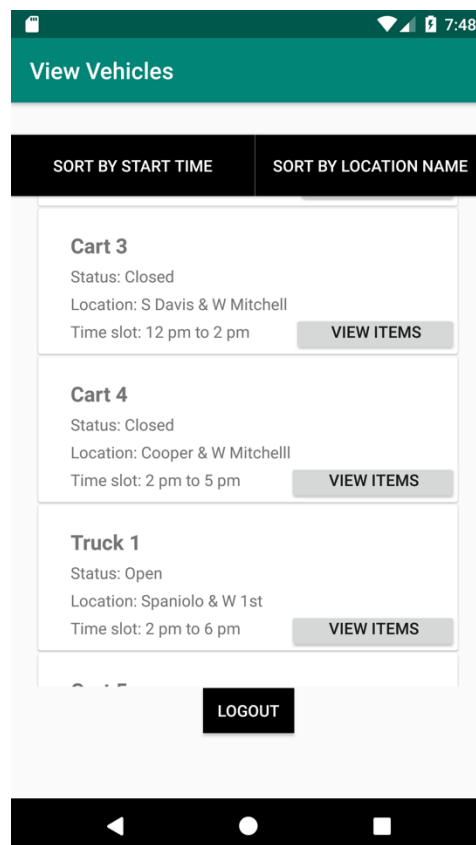| Precondition: The system shows the user is logged in as a vending manager	
Actor: Vending Manager	**System: Mobile Vending System**
	0. System displays the user homepage. (Refer figure 5 above).
1. **TUCBW** the user selects "View Vehicles" in their functions list.	*****2. The system redirects the user to the View Vehicles Page which displays the list of vehicles sorted based on the start time of the time slot. List of vehicles can also be sorted based on alphabetic order of location name. (figure 24).
3**. TUCEW** the user sees a list of selectable vehicles. The user can navigate back to their specific homepage.	
Post condition: The system displays a list of selectable vehicles; from which items can be viewed, or the previous page can be accessed	

Figure 24

UC15: Item Inventory

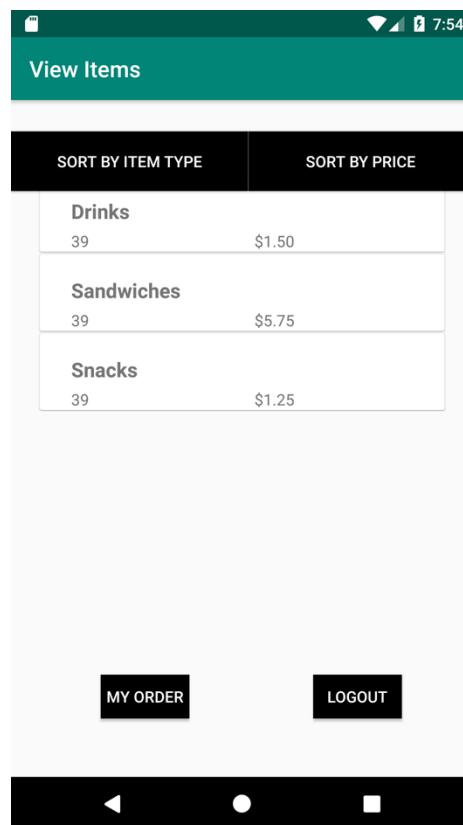| Precondition: The system shows the user is logged in	
Actor: Vending Manager	System: Mobile Vending System
	0. System displays the view vehicle page. (Refer figure 24 above)
1. **TUCBW** the user selects one of the vehicles shown on the view vehicle page	*****2. The system redirects the user to the Item Inventory Page which displays the item inventory sorted based on alphabetical order of item type for the selected vehicle (figure 25). The items can also be sorted based on price.
3**. TUCEW** the user sees the inventory of the vehicle. The user may navigate back to the view vehicles page.	
Post condition: The system displays the Item Inventory Page.	

Figure 25