Beverage Booker

Use-Case: Place Order

1. Brief Description

When a customer
Wants takeaway food/drink from the cafe they place an order
So that they can pick up their food/drink when it is ready

2. Actors

2.1. Customer
The customer is wanting to order food and/or beverages from the café via the app

3. Pre-Conditions

3.1. The customer has already created an account
3.2. The customer has opened the app on their Android device
3.3. The customer has a stable internet connection
3.4. The customer has logged in
3.5. The customer has filled their cart

4. Normal Flow

The use case begins when the customer selects the 'Cart' button from the Browse Menu Activity

Actor	System
	1. App moves to the Cart Activity
	2. Cart item list, individual prices, individual quantities and 'Cart Total' are displayed
3. User clicks the 'Checkout' button	4. App moves to the Payment Activity
	5. Fields for following details displayed: Credit Card Number, CVV, Expiry Month and Expiry Year
6. User enters credit card number, CVV, expiry month and expiry year	
7. User clicks the 'Continue' button	8. App moves to the Place Order Activity
	9. Order item list, individual prices, individual quantities and 'Order Total' are displayed
10. User clicks the 'Place Order' button	11. App moves to the Order Confirmation Activity

	12. Message displayed: " Thank you for your order, <user first name>. Your order will be ready for pickup in 15 minutes.

The use case ends.

5. Alternate Flows

5.1 User leaves any of the payment fields blank

If at step 6 of the normal flow the user has not filled all required fields, then

Actor	System
	6.1. 'Continue' button will not be activated until all required fields have input
6.2. User fills required field	

Normal flow is resumed at step 7.

5.2 Credit card number is not equal to 16 digits in length

If at step 6 of the normal flow the user enters a credit card number that is not equal to 16 digits in length, then

Actor	System
	6.1. App focuses on credit card number field
	6.2. Display message : "Credit card number must be 16 digits"
6.3. User enters credit card number 16 digits in length	

Normal flow is resumed at step 7.

5.3 Credit card CVV is not equal to 3 digits in length

If at step 6 of the normal flow the user enters a credit card CVV that is not equal to 3 digits in length, then

Actor	System
	6.1. App focuses on CVV field
	6.2. Display message : "CVV number must be 3 digits"
6.3. User enters CVV number 3 digits in length	

Normal flow is resumed at step 7.

5.4 Expiry month is not equal to 2 digits in length

If at step 6 of the normal flow the user enters an expiry month that is not equal to 2 digits in length, then

Actor	System
	6.1. App focuses on expiry month field
	6.2. Display message : "Expiry month must be 2 digits"
6.3. User enters expiry month number 2 digits in length	

Normal flow is resumed at step 7.

5.5 Expiry year is below 20

If at step 6 of the normal flow the user enters an expiry year that is not equal to 20 or greater, then

Actor	System
	6.1. App focuses on expiry year field
	6.2. Display message : "Expiry year must be a number equal to current year or greater"
6.3. User enters expiry year number greater than or equal to 20	

Normal flow is resumed at step 7.

5.6 Credit card is expired

If at step 6 of the normal flow the user enters an expiry year that is equal to 20 and a month less than 06, then

Actor	System
	6.1. App focuses on expiry month field
	6.2. Display message : "Your credit card is expired"
6.3. User enters expiry month number greater than or equal to 06	

Normal flow is resumed at step 7.

6. Key Scenarios

6.1. The customer successfully places an order with the cafe

6.2. The customer enters incorrect payment details before then providing correct details and placing their order

7. Post-conditions

7.1. Normal flow and other flows where an order is successfully placed.
A new order is created and is placed with the café
The credit card entered or attached to an account is debited by the cost of the order
The order is viewable for filling on the cafe-side app