根据给定的需求信息，完成下面四个问题：

A convenient store (e.g., the WoWo) wants to set up a food-to-go management system. The requirements are as following:

1. A vending machine dispenses the food box at the press of a button

b. There are different food boxes with different prices

c. Customers choose the food box (or boxes) they will have and mark them as “purchased”

d. The vending machine can accept either 微信支付 or 支付宝支付 with a payment selection button

e. Customers will access the system using their smart phone

Consider the scenario “A customer gets a food box”

Create a use case for the above scenario with the following format:

Primary Actor: Customer

Goal: To get a food box

Preconditions: (Question 1: please list preconditions for this use case) (25分)

The button at the food box been pressed, the food boxes is not empty, the food box are marked as “purchased”

Trigger: A customer will have a food box and wants to pay for it.

Scenario: (Question 2: please list the scenario for this use case) (25 分)

1. The user select “微信支付” or “支付宝支付” button

2. The system send the pay message to customer.

3. Customer access the system and pay for the food box.

4. The system recieve the money, push the food box out.

Exceptions: (Question 3: please list exceptions for this use case) (225 分)

1. system send message to customer failed.

2. customer pay failed or access the system failed.

3. system recieve money failed.

4. system push the food out failed.

Question 4: Show the CRC (Class-Responsibility-Collaborators) description of the Customer class with three collaborators: Food Box, Payment Account and Exception classes. (Hint: describes “responsibility” of the Customer class) (25分)

responsibility: select food box, pay for foodbox, pull out the food box, cancel the payment.