

# **Delivery Food App**

## **Structured Analysis**

BSIT 2C

Group 2

Augusto, Katrisha

Bueno, Evangelion

Dela Cruz, Ivey

Lumanlan. Andrean

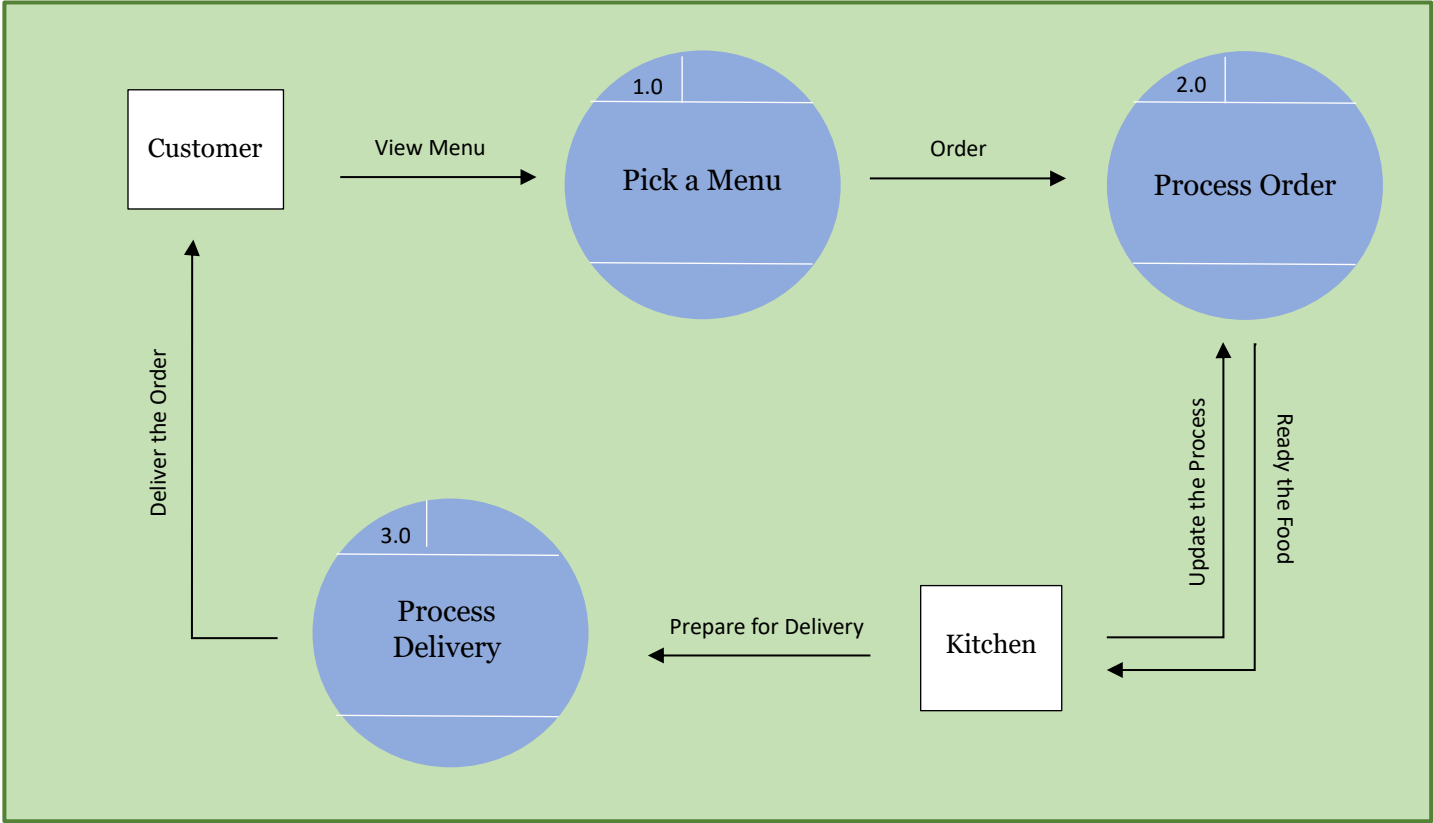
Solares, Marivic

Instructor:

Ronald Medina

March 12, 2024

Data Flow Diagram



Data Dictionary

SR no.	Data Elements	Description	Data Type	Allowable Values
1	User	Represents a person who orders food online.	Varchar	50
2	Order	Represent an ordered food placed by the user.	Varchar	100
3	Food Items	Represent the number of ordered food.	Int	6
4	Food Status	Represents the status of the ordered food.	Varchar	10
5	Delivery Status	Represents the status of the delivery.	Varchar	20
6	Payment Method	Represents the payment method for the order.	Varchar	30
7	Payment Approval	Represents the approval status of the order.	Varchar	10
8	Payment	Represent the status of the payment.	Varchar	10

Decision Tree

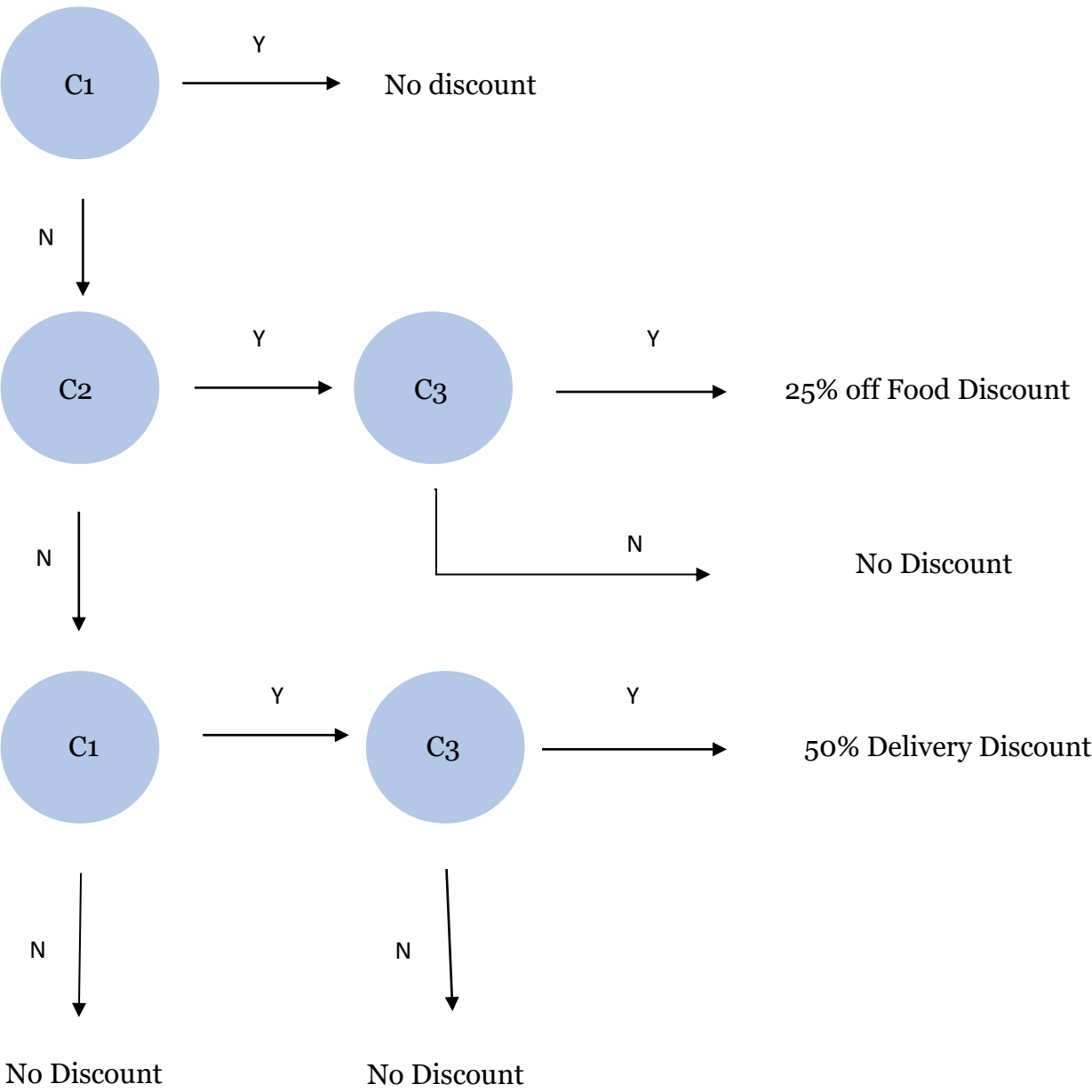
Y – Yes

N – No

C1 – Did the user does an online payment?

C2 – Did the user bought more than ₱1,000?

C3 – Is the customer a regular customer?



Decision Table

Conditions	Rule 1	Rule 2	Rule 3	Rule 4
Online Payment	Y	N	Y	N
Bought More than ₱1,000	-	Y	N	-
Regular Customer	-	Y	Y	-
Actions				
50% Delivery Discount	-	-	X	-
25% off Food Discount	-	X	-	-
No discount	X	-	-	X

Structured English

if customer pays online  
    then No discount  
  
    else  
        if purchase amount > 1,000  
            then  
                if the customer is a regular customer  
                    then Give 25% off Food Discount  
  
            else  
                if customer pays online  
                    then  
                        if customer is a regular customer  
                            then Give 50% Delivery Discount  
  
                end if  
            end if  
        end if  
    end if  
else No Discount  
end if

Pseudo Code

User placed food order

IF the food and its quantity which the user ordered is valid  
    Then Pick a payment method  
ELSE IF the food and its quantity is invalid  
    Then Notify the customer and end process  
END IF

IF payment method is cash on delivery or online payment  
    Then process the payment  
END IF

IF the payment approval is unapproved or failed  
    Then notify the user  
ELSE IF the payment approval is approved or success  
    Then prepare food  
END IF

IF the food status is ready  
    Then assign a delivery  
ELSE IF the food status is preparing  
    Then wait for it to be ready

END IF

IF there is an available rider

Then delivery the food

ELSE IF no available rider

Then wait for available rider

END IF

IF the delivery status is delivered successfully and the payment is already paid

Then the process end

ELSE IF not yet delivered

Then continue delivery

ELSE IF