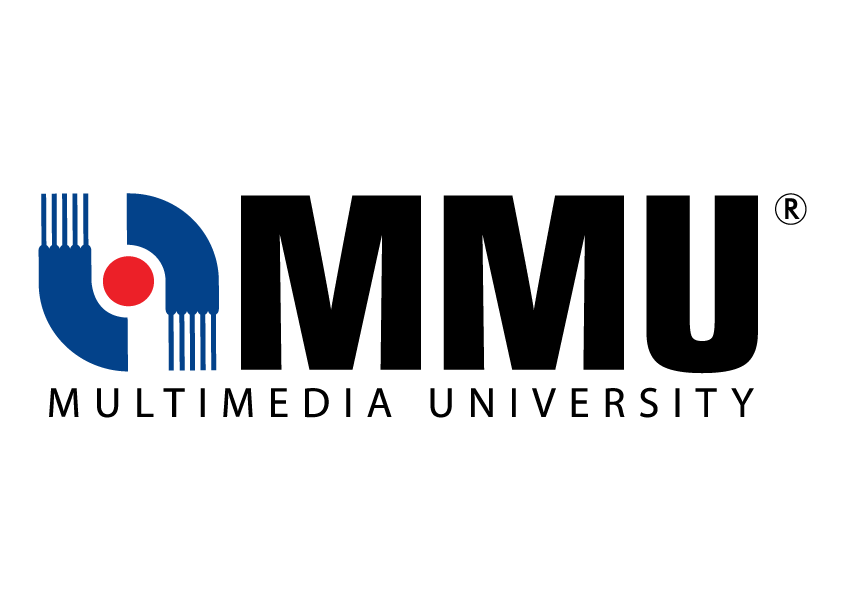
**Group Name:** SteadyAlphaQ

**Lecture Session:** T127

**Semester:** Trimester 2 2019/2020

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# Acknowledgement

First of all, all of our team members would like to thank our PPS0335 lecturer, Mr Khairol, for all of his dedication and hard work of teaching our group T127 on this subject for Trimester 2 - 2019/2020. We have undeniably gained many knowledges of this subject PPS0335 as Mr Khairol is really knowledgeable on this subject. We would like to also dedicate our gratitude to Mr Khairol for instilling the attitude that needs to be possessed by programmers and problem solves into our mind and soul thus teaching us alll the knowledge that we need to accomplish this project.

Secondly, we would like to express our appreciation to all of our family members that provide us support and encouragement along the project and friends who sacrificed their time and energy to provide us some guidance on improving our system. We are really grateful that we are surrounded by such open-minded and easy-going group of people which are really willing to help out a friend in need, and we are really thankful for all the support that has been given to us. Even though there's some difficulties faced during the making of this project, we persevered through and in the end we're able to complete our project.

Lastly, we would like to thank our group members who put a lot of efforts into putting the system and documentations together. Although we may not be the best, but we certainly have done our best. To conclude, we hope that our project may impress our lecturer with success.

# Introduction

1 Malaysia Cuisine Ordering System is a system developed to ease customers to order their foods and restaurant operators to prepare their customers’ orders efficiently. By combining food selections from diverse cultures, 1 Malaysia Cuisine Ordering System provides an easy way to order and experience the authentic taste of Malaysian dishes. It is 100% Halal as there is no pork, no beef, and no alcohol in any of our products. Our system also tries to spread awareness regarding plastic containers and bags usage that will certainly harm the Mother Nature.

# Problem Analysis Chart (PAC)

|  |  |
| --- | --- |
| Given Data | Required Results |
| * Ordering option * Plastic container and plastic bag option * Confirmation enquiry * Menu selection * Food/beverage selection * Quantity of orders * Continue option * Payment option * Credit card number * PIN number | * Ordering option * Plastic container and plastic bag option * Confirmation screen * Menu selection * Food/beverage selection * Quantity of orders * Continue option * Total bill * Sum of the bill * Payment option * Credit card number * PIN number |
| Processing Required | Solution Alternatives |
| * **Total bill**   //Chinese food  total1 = total1 + (noCns1\*5.90 + noCns2\*4.90 + noCns3\*4.00 + noCns4\*6.00)  //Indian food  total2 = total2 + (noIdn1\*3.90 + noIdn2\*5.90 + noIdn3\*4.90 + noIdn4\*5.00)  //Malay food  total3 = total3 + (noMly1\*6.90 + noMly2\*3.90 + noMly3\*4.50 + noMly4\*7.50)  //Beverage  total4 = total4 + (noBev1\*2.50 + noBev2\*3.00 + noBev3\*2.80 + noBev4\*3.50 + noBev5\*4.90)   * **Sum of the bill**   billSum = total1 + total2 + total3 + total4 | * Set food prices as a constant. * Set food prices as an input. * Set Confirmation enquiry as a character. * Set Confirmation enquiry as a string. * Set Confirmation enquiry as a integer. * Set continue option as integer. * Set continue option as string. * Set continue option as character. * Set credit card number and PIN as integer. * Set credit card number and PIN as string. * Set food selection as integer. * Set food selection as character. * Set food selection as string. * Set totals as float. * Set totals as double. |

# IPO Chart (IC)

|  |  |  |
| --- | --- | --- |
| Input | Processing | Output |
| * Ordering option * Plastic container and plastic bag option * Confirmation enquiry * Menu selection * Food/beverage selection * Quantity of orders * Continue option * Payment option * Credit card number * PIN number | * Start * Enter ordering option * Enter plastic container and plastic bag option * Enter confirmation * Enter menu selection * Enter food/beverage selection * Enter quantity of orders * Calculate total bill   //Chinese food  total1 = total1 + (noCns1\*5.90 + noCns2\*4.90 + noCns3\*4.00 + noCns4\*6.00)  //Indian food  total2 = total2 + (noIdn1\*3.90 + noIdn2\*5.90 + noIdn3\*4.90 + noIdn4\*5.00)  //Malay food  total3 = total3 + (noMly1\*6.90 + noMly2\*3.90 + noMly3\*4.50 + noMly4\*7.50)  //Beverage  total4 = total4 + (noBev1\*2.50 + noBev2\*3.00 + noBev3\*2.80 + noBev4\*3.50 + noBev5\*4.90)   * Print total bill * Calculate sum of the bill   billSum = total1 + total2 + total3 + total4   * Print sum of the bill * Enter payment option * Enter credit card number * Enter PIN number * End | * Ordering option * Plastic container and plastic bag option * Confirmation screen * Menu selection * Food/beverage selection * Quantity of orders * Continue option * Total bill * Sum of the bill * Payment option * Credit card number * PIN number |

# Data Dictionary

|  |  |  |
| --- | --- | --- |
| Data Item | Variable names | Data type |
| 1. Food Selection | noCns | Integer |
| noIdn | Integer |
| noMly | Integer |
| noBev | Integer |
| 1. Main Menu | no1 | Integer |
| no2 | Integer |
| 1. Malay Food (Quantity) | noMly1 | Integer |
| noMly2 | Integer |
| noMly3 | Integer |
| noMly4 | Integer |
| 1. Chinese Food (Quantity) | noCns1 | Integer |
| noCns2 | Integer |
| noCns3 | Integer |
| noCns4 | Integer |
| 1. Indian Food (Quantity) | noIdn1 | Integer |
| noIdn2 | Integer |
| noIdn3 | Integer |
| noIdn4 | Integer |
| 1. Beverages (Quantity) | noBev1 | Integer |
| noBev2 | Integer |
| noBev3 | Integer |
| noBev4 | Integer |
| noBev5 | Integer |
| 1. Response | char1 | Character |
| char2 | Character |
| ans1 | Character |
| ans2 | Character |
| ans3 | Character |
| ans4 | Character |
| cont | Character |
| 1. Price | total1 | Float |
| total2 | Float |
| total3 | Float |
| total4 | Float |
| billSum | Float |
| 1. Payment Method | paychoice | Integer |
| pin | Integer |
| 1. Payment Validation | choice1 | Character |
| choice2 | Character |
| ccc | Long Double |

# Algorithms or Pseudocodes

## Char Variable Pseudocode

### CHAR AGAIN ()

start:

clear screen

print ” Do you wish to continue?”

print “Yes or No Answer only”

print “Yes (y) “

print “No (n)”

print” Enter Your Selection: “

read cont

end:

## Float Variable Pseudocodes

### FLOAT BEVERAGE ()

start:

clear screen

beverage ()

noBev1 = 0

noBev2 = 0

noBev3 = 0

noBev4 = 0

do

print “Enter your selection: “

read noBev

if noBev = 1

print “How many sets would you like?: “

read noBev1

print “Item has been successfully added to cart”

else if noBev = 2

print “How many sets would you like?: “

read noBev2

print “Item has been successfully added to cart”

else if noBev = 3

print “How many sets would you like?: “

read noBev3

print “Item has been successfully added to cart”

else if noBev = 4

print “How many sets would you like?: “

read noBev4

print “Item has been successfully added to cart”

else if noBev = 5

print “How many sets would you like?: “

read noBev5

print “Item has been successfully added to cart”

else

print ”Invalid Input”

total4 = total4 + (noBev1\*2.50 + noBev2\*3.00 + noBev3\*2.80 + noBev4\*3.50 + noBev5\*4.90)

print “Do you want to continue ordering?”

read ans4

while ans4 = ‘y’ or ans4 = ‘Y’

print “Your total bill is: RM“

print total4

end:

### FLOAT BILL ()

start:

if no2 == 1

billchinese ()

else if no2 == 2

billindian ()

else if no2 == 3

billmalay ()

else if no2 == 4

billbeverage ()

else

error ()

end:

### FLOAT BILLSUM ()

start:

billsum = total1 + total2 + total3 + total4

return billsum

end:

### FLOAT CHINESE ()

start:

clear screen

chinese ()

noCns1 = 0

noCns2 = 0

noCns3 = 0

noCns4 = 0

do

print “Enter your selection: “

read noCns

if noCns = 1

print “How many sets would you like?: “

read noCns1

print “Item has been successfully added to cart”

else if noCns = 2

print “How many sets would you like?: “

read noCns2

print “Item has been successfully added to cart”

else if noCns = 3

print “How many sets would you like?: “

read noCns3

print “Item has been successfully added to cart”

else if noCns = 4

print “How many sets would you like?: “

read noCns4

print “Item has been successfully added to cart”

else

print ”Invalid Input”

total1 = total1 + (noCns1\*5.90 + noCns2\*4.90 + noCns3\*4.00 + noCns4\*6.00)

print “Do you want to continue ordering?”

read ans1

while ans1 = ‘y’ or ans4 = ‘Y’

print “Your total bill is: RM“

print total1

end:

### FLOAT INDIAN ()

start:

clear screen

indian ()

noIdn1 = 0

noIdn2 = 0

noIdn3 = 0

noIdn4 = 0

do

print “Enter your selection: “

read noIdn

if noIdn = 1

print “How many sets would you like?: “

read noIdn1

print “Item has been successfully added to cart”

else if noIdn = 2

print “How many sets would you like?: “

read noIdn2

print “Item has been successfully added to cart”

else if noIdn = 3

print “How many sets would you like?: “

read noIdn3

print “Item has been successfully added to cart”

else if noIdn = 4

print “How many sets would you like?: “

read noIdn4

print “Item has been successfully added to cart”

else

print ”Invalid Input”

total2 = total2 + (noIdn1\*3.90 + noIdn2\*5.90 + noIdn3\*4.90 + noIdn4\*5.00)

print “Do you want to continue ordering?”

read ans2

while ans2 = ‘y’ or ans4 = ‘Y’

print “Your total bill is: RM“

print total2

end:

### FLOAT MALAY ()

start:

clear screen

malay ()

noMly1 = 0

noMly2 = 0

noMly3 = 0

noMly4 = 0

do

print “Enter your selection: “

read noMly

if noMly = 1

print “How many sets would you like?: “

read noMly1

print “Item has been successfully added to cart”

else if noMly = 2

print “How many sets would you like?: “

read noMly2

print “Item has been successfully added to cart”

else if noMly = 3

print “How many sets would you like?: “

read noMly3

print “Item has been successfully added to cart”

else if noMly = 4

print “How many sets would you like?: “

read noMly4

print “Item has been successfully added to cart”

else

print ”Invalid Input”

total3 = total3 + (noMly1\*6.90 + noMly2\*3.90 + noMly3\*4.50 + noMly4\*7.50)

print “Do you want to continue ordering?”

read ans3

while ans3 = ‘y’ or ans4 = ‘Y’

print “Your total bill is: RM“

print total3

end:

## Int Variable Pseudocodes

### INT MAIN ()

start:

print loading screen;

welcome()

input no1;

if no1=1;

{menu();

input no2;

bill();

again();

sum();

payment1();

}

if no1=2;

{plastic();

input char1;

if char1= 'y'/'Y'

{ensure();

input char2;

if char2= 'y'/'Y';

{

print enviromental pollute;

}

if char2= 'n'/'N';

{

print environmentalist;

}

}

if char1= 'n'/'N';

{menu();

input no2;

bill();

again();

sum();

payment1();

}

input no2;

bill();

again();

sum();

payment1();

}

if no1=3;

thank();

else

error();

end:

### INT PAYMENT ()

start:

print “Payment Options:“  
print “1. Cash”  
print ”2. Credit Card”

print ”Enter your selection: “

read paychoice

return paychoice

end:

## Void Function Pseudocodes

### VOID BEVERAGE ()

start:

clear screen

change colour to E0

print “Menu”

print “1. Teh Tarik.........................RM2.50”  
print “2. Sirap Bandung.....................RM3.00”  
print “3. Masala Chai.......................RM2.80”  
print “4. Lassi.............................RM3.50”  
print “5. Boba Tea..........................RM4.90”

end:

### VOID CASH ()

start:

clear screen

change colour to B0

print “Your order is successful!”

print “Please pay at the counter…”

print “Thank you for using our system and please come again! ^^ “

end:

### VOID CHINESE ()

start:

clear creen

change colour to E0

print “Menu”

print “1. Chinese Fried Rice.................RM5.90”  
print “2. Char Kuey Teow.....................RM4.90”  
print “3. Chicken Dumpling Set...............RM4.00”  
print “4. Wat Tan Hor........................RM6.00”

end:

### VOID COMPLETE ()

start:

Print ”System Loaded Successfully. Waiting command from admin.”

end:

### VOID CREDIT ()

start:

clear screen

change colour to B0

print “Please enter your credit card credentials”

print “Don’t worry, your personal information is safe with us.”

end:

### VOID ENSURE ()

start:

clear screen

change colour to FC

print “Are you sure?”

print “Yes or No Answer only“

print “Yes (y)”

print “No (n)”

end:

### VOID ERROR ()

start:

clear screen

change colour to 0A

print ”Invalid Input!”

end:

### VOID INDIAN ()

start:

clear screen

change colour to E0

print “Menu”

print “1. Roti Canai Set....................RM3.90”  
print “2. Tandoori Set......................RM5.90”  
print “3. Cheese Naan Set...................RM4.90”  
print “4. Malai Kofta Set...................RM5.00”

end:

### VOID MALAY ()

start:

clear screen

change colour to E0

print “Menu”

print “1. Nasi Dagang.......................RM6.90”  
print “2. Nasi Lemak........................RM3.90”  
print “3. Mee Goreng Mamak..................RM4.50”  
print “4. Rendang Set.......................RM7.50”

end:

### VOID MENU ()

start:

clear creen

change colour to E0

print “Menu”

print “1. Chinese”  
print “2. Indian”  
print “3. Malay”  
print “4. Beverage”

print “Enter your selection: “

end:

### VOID PAYMENT1 ()

start:

payment ()

If paychoice == 1

cash ()

Else if paychoice == 2

credit ()

Do

Print “Credit Card Number: “

Read ccc

If ccc>9999999999999999

Print “Invalid Credit Card Number”

Else if ccc<=0

Print “Invalid Credit Card Number”

Else if ccc<1000000000000000

Print "Invalid Credit Card Number"

Else if ccc>=1000000000000000

Do

Print “Pin Number: “

Read pin

If pin>999999

Print "Invalid Pin"

Else if pin<=0

Print "Invalid Pin"

Else if pin<100000

Print "Invalid Pin"

Else if pin>=100000

Print “Pin is accepted”  
Print “Thank you for using our system and please come again! ^^”  
Return to main function

Else

Print “Pin is accepted”  
 Print “Thank you for using our system and please come again! ^^”  
 Return to main function

Print “Do you wish to try again?(y/n) : “

Read choice1

While choice1 == ‘y’ or choice1 == ‘Y’

Return to main function

end:

### VOID PLASTIC ()

start:

clear creen

print “Menu”

print “Do you require plastic containers and plastic bags? Additional fee will be charged.”

print “Yes or No Answer only “

print “Yes (y)”

print “No (n)”

end:

### VOID THANK ()

start:

print ”Thank you for using our system!”

end:

### VOID WELCOME ()

start:

clear creen

change colour to E0

print ”Welcome to 1 Malaysia Cuisine Ordering System”

print “Designed & Programmed by: SteadyAlphaQ”

end:

# Flowchart

## Char Variable Flowchart

Start

### CHAR AGAIN ()

Print ” Do you wish to continue?”

Print “Yes or No Answer only”

Print “Yes (y) “

Print “No (n)”

Print” Enter Your Selection: “

4.

Clear screen

End

Read cont

## Float Variable Flowchart

Start

Clear screen

beverage ()

noBev1=0  
noBev2=0  
noBev3=0  
noBev4=0  
noBev5=0

Print “Enter your selection: “

Read noBev

noBev=1

noBev=2

noBev=3

noBev=4

Print “How many sets would you like?: “

Read noBev1

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noBev2

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noBev3

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noBev4

Print “Item has been successfully added to cart”

T

F

F

F

J

T

T

T

noBev=5

Print “How many sets would you like?: “

Read noBev5

Print “Item has been successfully added to cart”

### FLOAT BEVERAGE ()

F

T

K

J

LC

K

L

J

F

Print “Invalid Input”

Print “Do you want to continue ordering?”

Read ans4

total4 = total4 + (noBev1\*2.50 + noBev2\*3.00 + noBev3\*2.80 + noBev4\*3.50 + noBev5\*4.90)

ans4=’y’ or ans4=’Y’

Print “Your total bill is: RM“

Print total4

End

F

T = True

F = False

T

### FLOAT BILL ()

No2==1

No2==1

No2==1

No2==1

billchinese ()

billindian ()

billmalay ()

billbeverage ()

error ()

End

Start

F

F

F

F

T

T

T

T

### FLOAT BILLSUM ()

Start

billsum = total1 + total2 + total3 + total4

Return billsum

End

### FLOAT CHINESE ()

T

T

T

F

F

F

T

Print “How many sets would you like?: “

Read noCns4

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noCns3

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noCns2

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noCns1

Print “Item has been successfully added to cart”

noCns=4

noCns=3

noCns=2

noCns=1

Print “Enter your selection: “

Read noCns

noCns1=0  
noCns2=0  
noCns3=0  
noCns4=0

chinese ()

Clear screen

Start

B

C

A

C

A

B

F

Print “Invalid Input”

Print “Do you want to continue ordering?”

Read ans1

total1 = total1 + (noCns1\*5.90 + noCns2\*4.90 + noCns3\*4.00 + noCns4\*6.00)

ans1=’y’ or ans1=’Y’

Print “Your total bill is: RM“

Print total1

End

F

T

T = True

F = False

### FLOAT INDIAN ()

F

Start

Clear screen

indian ()

noIdn1=0  
noIdn2=0  
noIdn3=0  
noIdn4=0

Print “Enter your selection: “

Read noIdn

noIdn=1

noIdn=2

noIdn=3

noIdn=4

Print “How many sets would you like?: “

Read noIdn1

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noIdn2

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noIdn3

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noIdn4

Print “Item has been successfully added to cart”

T

F

F

F

E

T

T

T

DA

D

F

E

T = True

F = False

T

F

End

Print “Your total bill is: RM“

Print total2

ans2=’y’ or ans2=’Y’

total2 = total2 + (noIdn1\*3.90 + noIdn2\*5.90 + noIdn3\*4.90 + noIdn4\*5.00)

Print “Do you want to continue ordering?”

Read ans2

Print “Invalid Input”

F

### FLOAT MALAY ()

Start

Clear screen

malay ()

noMly1=0  
noMly2=0  
noMly3=0  
noMly4=0

Print “Enter your selection: “

Read noMly

noMly=1

noMly=2

noMly=3

Print “How many sets would you like?: “

Read noMly1

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noMly2

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noMly3

Print “Item has been successfully added to cart”

Print “How many sets would you like?: “

Read noMly4

Print “Item has been successfully added to cart”

T

F

F

F

H

T

T

T

I

G

noMly=4

I

G

T = True

F = False

T

F

End

Print “Your total bill is: RM“

Print total3

ans3=’y’ or ans3=’Y’

total3 = total3 + (noMly1\*6.90 + noMly2\*3.90 + noMly3\*4.50 + noMly4\*7.50)

Print “Do you want to continue ordering?”

Read ans3

Print “Invalid Input”

F

H

## Int Variable Flowchart

### INT MAIN ()

Start

Loading Screen

no1= 1

Main Menu

Read no1

Completed Loading Screen

Food Menu

Read no2

True

Chinese Food Menu

no2= 1

B

A

True

B

False

True

cont = ‘y’ / ’Y’

Continue? Menu

Read cont

Print “Invalid Input”

False

False

False

False

True

True

True

Beverages Menu

Malay

Food Menu

Indian

Food Menu

no2= 4

no2= 3

no2= 2

False

B

cont = ‘n’ / ’N’

A

True

Print “Invalid Input”

C

False

Payment Menu

Read paychoice

Print “Invalid Input”

False

End

True

False

True

Payment by Credit Card Menu

Payment by Cash Menu

paychoice= 2

paychoice= 1

C

True

False

Print “Invalid Input”

False

char2 = ‘n’/ ’N’

False

char1 = ‘n’/ ’N’

True

char2 = ‘y’/ ’Y’

Confirmation Menu

Read char2

char1 = ‘y’/ ’Y’

Takeaway Menu

Read char1

no1= 2

E

D

False

True

Print “Environmentalist”

Print

“Environment pollute”

False

Print “Invalid Input”

True

E

D

Food Menu

Read no2

True

Chinese Food Menu

no2= 1

G

F

False

True

cont = ‘y’ / ’Y’

Continue? Menu

Read cont

Print “Invalid Input”

False

False

False

False

True

True

True

Beverages Menu

Malay

Food Menu

Indian

Food Menu

no2= 4

no2= 3

no2= 2

F

G

Print “Invalid Input”

False

cont = ‘n’ / ’N’

True

H

Payment Menu

Read paychoice

Print “Invalid Input”

False

End

True

False

True

Payment by Credit Card Menu

Payment by Cash Menu

paychoice= 2

paychoice= 1

H

End

False

Print “Invalid Input”

True

End

Print

“Thank You”

no1= 3

### INT PAYMENT ()

Start

## Void Function Flowchart

End

Return paychoice

Print “Payment Options:“  
Print “1. Cash”  
Print ”2. Credit Card”

Print ”Enter your selection: “

Read paychoice

Start

### VOID BEVERAGE ()

Print ”Menu”

Print “1. Teh Tarik.........................RM2.50”  
Print “2. Sirap Bandung.....................RM3.00”  
Print “3. Masala Chai.......................RM2.80”  
Print “4. Lassi.............................RM3.50”  
Print “5. Boba Tea..........................RM4.90”

4.

End

Clear screen

Change colour to E0

### VOID CASH ()

Start

Print ”Your order is successful!”

Print “Please pay at the counter…”

Print “Thank you for using our system and please come again! ^^ “

4.

End

Clear screen

Change colour to B0

### VOID CHINESE ()

Print ”Menu”

Print “1. Chinese Fried Rice.................RM5.90”  
Print “2. Char Kuey Teow.....................RM4.90”  
Print “3. Chicken Dumpling Set...............RM4.00”  
Print “4. Wat Tan Hor........................RM6.00”

4.

Start

End

Clear screen

Change colour to E0

### VOID COMPLETE ()

End

Print ”System Loaded Successfully. Waiting command from admin.”

Start

### VOID CREDIT ()

Start

Clear screen

Change colour to B0

End

Print ”Please enter your credit card credentials”

Print “Don’t worry, your personal information is safe with us.”

4.

### VOID ENSURE ()

Start

Clear screen

Change colour to FC

End

Print “Are you sure?”

Print “Yes or No Answer only“

Print “Yes (y)”

Print “No (n)”

4.

### VOID ERROR ()

Print ”Invalid Input!”

End

Start

Clear screen

Change colour to 0A

### VOID INDIAN ()

Start

Clear screen

Change colour to E0

End

Print ”Menu”

Print “1. Roti Canai Set....................RM3.90”  
Print “2. Tandoori Set......................RM5.90”  
Print “3. Cheese Naan Set...................RM4.90”  
Print “4. Malai Kofta Set...................RM5.00”

4.

### VOID MALAY ()

Start

End

Clear screen

Change colour to E0

Print ”Menu”

Print “1. Nasi Dagang.......................RM6.90”  
Print “2. Nasi Lemak........................RM3.90”  
Print “3. Mee Goreng Mamak..................RM4.50”  
Print “4. Rendang Set.......................RM7.50”

4.

### VOID MENU ()

Start

Clear screen

Change colour to E0

End

Print ”Menu”

Print “1. Chinese  
2. Indian  
3. Malay  
4. Beverage”

Print “Enter your selection: “

4.

### VOID PAYMENT1 ()

Start

True

End

cash()

credit()

payment()

Read paychoice

False

True

Print “Invalid CCN”

True

Print “Invalid CCN”

False

False

True

Print “Invalid CCN”

False

ccc<=0

ccc<1000000000000000

False

ccc>9999999999999999

True

paychoice=2

paychoice=1

Print “Credit Card Number:”

Read ccc

B

C

A

A

True

Print “Invalid Pin”

pin>999999

Print “Pin Number:”

Read pin

B

True

False

Print “Invalid Input”

ccc>=1000000000000000

C

E

D

False

False

F

True

Print “Invalid Pin”

pin<=0

End

Print “Invalid Input”

End

End

E

Print

“Pin is Accepted”

False

True

Print

“Pin is Accepted”

pin>=100000

True

False

Print “Invalid Pin”

pin<100000

F

D

### VOID PLASTIC ()

Start

Clear screen

End

Print ”Menu”

Print “Do you require plastic containers and plastic bags? Additional fee will be charged.”

Print “Yes or No Answer only “

Print “Yes (y)”

Print “No (n)”

4.

### VOID THANK ()

Print ”Thank you for using our system!”

Start

End

### VOID WELCOME ()

Start

Clear screen

Change colour to E0

End

Print ”Welcome to 1 Malaysia Cuisine Ordering System”

Print “Designed & Programmed by: SteadyAlphaQ”

# Conclusion

To summarize everything, our team have developed an easy, intuitive system to help users whether they are the customers or the restaurant operators. In which we ease customers during the food ordering and we ease restaurant operators by helping them to keep up with the orders and ease the serving process to the customers too. Well, throughout this project, we as an individual have learnt the importance of teamwork in order to solve problems by using the stages in PADIS to state what the problems that we faced. For example, the system design, coding, and debugging areas. Not only that, we are also able to work together regardless of our background, race, and beliefs. Due to all of this, we are able to learn how to code a complete and executable system which is the main part of our project.

We have also set ourselves goals for our system, which is to make a system that is easy to use to help in the food business operation. We have worked hard and we think that we have accomplish that, but still there are tons more room for improvements and we are willing to accept any feedback from our users. We had also planned future ideas such as to pair the system with internet of things so that users can order food wherever they are and get their food as soon as they step into the restaurant.

# C++ CODES

#include <iostream>

#include <windows.h>

using namespace std;

//Global Declarations

int no1,no2,noCns,noIdn,noMly,noBev;

int noCns1,noCns2,noCns3,noCns4;

int noIdn1,noIdn2,noIdn3,noIdn4;

int noMly1,noMly2,noMly3,noMly4;

int noBev1,noBev2,noBev3,noBev4,noBev5;

int paychoice,pin ;

char choice1,choice2;

long double ccc;

char char1,char2,ans1,ans2,ans3,ans4,cont;

float total1=0,total2=0,total3=0,total4=0,billSum=0;

///Loading Screen

string intro1 = "\t=========================================================================================================\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\tLOADING...............................................................\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\tDesigned & Programmed by: SteadyAlphaQ\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t1%\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t||\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t=========================================================================================================\n"

;

string intro2 = "\t=========================================================================================================\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\tLOADING...............................................................\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\tDesigned & Programmed by: SteadyAlphaQ\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t25%\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t|||||||||||||||||||||||\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t=========================================================================================================\n"

;

string intro3 = "\t=========================================================================================================\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\tLOADING...............................................................\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\tDesigned & Programmed by: SteadyAlphaQ\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t50%\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t||||||||||||||||||||||||||||||||||||||||||||||\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t=========================================================================================================\n"

;

string intro4 = "\t=========================================================================================================\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\tLOADING...............................................................\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\tDesigned & Programmed by: SteadyAlphaQ\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t75%\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t=========================================================================================================\n"

;

string intro5 = "\t=========================================================================================================\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\tLOADING...............................................................\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t\t\tDesigned & Programmed by: SteadyAlphaQ\t\t\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t99%\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t|\t||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||\t|\n"

"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n"

"\t=========================================================================================================\n"

;

void complete()

{

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\tSystem Loaded Successfully\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\tA W A I T I N G\t\tC O M M A N D\t\tF R O M\t\tA D M I N . . . . \t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<endl;

}

///System Dialog

void welcome()

{

//Welcome Screen

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\tWelcome to 1 Malaysia Cuisine Ordering System\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\tDesigned - - - & - - - Programmed - - - by: - - - SteadyAlphaQ\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

cout<<" 1. Dine In \n";

cout<<" 2. Take Away \n";

cout<<" 3. Exit \n";

cout<<endl;

;

}

void thank()

{

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\tThank you for using our system!\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

cout<<endl;

}

void error()

{

system("cls");

system("color 0A");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\tInvalid Input!\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t";

}

void menu()

{

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\tMENU\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t1. Chinese\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t2. Indian\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t3. Malay\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t4. Beverages\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n\n";

cout<<"\t\t\t\tEnter your selection: ";

}

void plastic()

{

system("cls");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\tDo you require plastic containers and plastic bags? Additional fee will be charged.\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\tYes or No Answer only\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t Yes (y)\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t No (n)\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n" ;

}

void ensure()

{

system("cls");

system("color FC");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\tAre you sure?\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\tYes or No Answer only\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t Yes (y)\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t No (n)\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

}

char again()

{

system("cls");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\tDo you wish to continue ordering?\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\tYes or No Answer only\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t Yes (y)\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t No (n)\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

cout<<"\t\t\t\t\tEnter Your Selection: ";

cin>>cont;

}

///Menu Selections

void chinese()

{

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\tMENU\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t1. Chinese Fried Rice.................RM5.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t2. Char Kuey Teow.....................RM4.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t3. Chicken Dumpling Set...............RM4.00\t\t\t\t|\n";

cout<<"\t|\t\t\t\t4. Wat Tan Hor........................RM6.00\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n" ;

}

void indian()

{

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\tMENU\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t1. Roti Canai Set....................RM3.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t2. Tandoori Set......................RM5.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t3. Cheese Naan Set...................RM4.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t4. Malai Kofta Set...................RM5.00\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n" ;

}

void malay()

{

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\tMENU\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t1. Nasi Dagang.......................RM6.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t2. Nasi Lemak........................RM3.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t3. Mee Goreng Mamak..................RM4.50\t\t\t\t|\n";

cout<<"\t|\t\t\t\t4. Rendang Set.......................RM7.50\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n" ;

}

void beverage()

{

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\tMENU\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t1. Teh Tarik.........................RM2.50\t\t\t\t|\n";

cout<<"\t|\t\t\t\t2. Sirap Bandung.....................RM3.00\t\t\t\t|\n";

cout<<"\t|\t\t\t\t3. Masala Chai.......................RM2.80\t\t\t\t|\n";

cout<<"\t|\t\t\t\t4. Lassi.............................RM3.50\t\t\t\t|\n";

cout<<"\t|\t\t\t\t5. Boba Tea..........................RM4.90\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n" ;

}

///Billing System

float billChinese()

{

system("cls");

chinese();

do

{

noCns1=0, noCns2=0, noCns3=0, noCns4=0 ;

cout << endl ;

cout << "Enter your selection: " ;

cin >> noCns ;

if (noCns==1)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noCns1 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noCns==2)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noCns2 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noCns==3)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noCns3 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noCns==4)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noCns4 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else

{

cout << "Invalid input" << endl ;

}

cout << "Do you want to continue? (y/n) : " ;

cin >> ans1 ;

total1 = total1 + (noCns1\*5.90 + noCns2\*4.90 + noCns3\*4.00 + noCns4\*6.00) ;

}

while (ans1== 'y' || ans1 == 'Y' ) ;

cout << "Your total bill is: RM " << total1 << endl ;

}

float billIndian()

{

system("cls");

indian();

do

{

noIdn1=0, noIdn2=0, noIdn3=0, noIdn4=0 ;

cout << endl ;

cout << "Enter your selection: " ;

cin >> noIdn ;

if (noIdn==1)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noIdn1 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noIdn==2)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noIdn2 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noIdn==3)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noIdn3 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noIdn==4)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noIdn4 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else

{

cout << "Invalid input" << endl ;

}

cout << "Do you want to continue? (y/n) : " ;

cin >> ans2 ;

total2 = total2 + (noIdn1\*3.90 + noIdn2\*5.90 + noIdn3\*4.90 + noIdn4\*5.00) ;

}

while (ans2== 'y' || ans2 == 'Y' ) ;

cout << "Your total bill is: RM " << total2 << endl ;

}

float billMalay()

{

system("cls");

malay();

do

{

noMly1=0, noMly2=0, noMly3=0, noMly4=0 ;

cout << endl ;

cout << "Enter your selection: " ;

cin >> noMly ;

if (noMly==1)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noMly1 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noMly==2)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noMly2 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noMly==3)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noMly3 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noMly==4)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noMly4 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else

{

cout << "Invalid input" << endl ;

}

cout << "Do you want to continue? (y/n) : " ;

cin >> ans3 ;

total3 = total3 + (noMly1\*6.90 + noMly2\*3.90 + noMly3\*4.50 + noMly4\*7.50) ;

}

while (ans3== 'y' || ans3 == 'Y' ) ;

cout << "Your total bill is: RM " << total3 << endl ;

}

float billBeverage()

{

system("cls");

beverage();

do

{

noBev1=0, noBev2=0, noBev3=0, noBev4=0, noBev5=0 ;

cout << endl ;

cout << "Enter your selection: " ;

cin >> noBev ;

if (noBev==1)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noBev1 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noBev==2)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noBev2 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noBev==3)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noBev3 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noBev==4)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noBev4 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else if (noBev==5)

{

cout << endl;

cout << "How many sets would you like?: " ;

cin >> noBev5 ;

cout << endl ;

cout << "Item has been successfully added to cart" << endl ;

cout << endl ;

}

else

{

cout << "Invalid input" << endl ;

}

cout << "Do you want to continue? (y/n) : " ;

cin >> ans4 ;

total4 = total4 + (noBev1\*2.50 + noBev2\*3.00 + noBev3\*2.80 + noBev4\*3.50 + noBev5\*4.90) ;

}

while (ans4== 'y' || ans4 == 'Y' ) ;

cout << "Your total bill is: RM " << total4 << endl ;

}

float bill()

{

if(no2==1)

{

billChinese();

}

else if(no2==2)

{

billIndian();

}

else if(no2==3)

{

billMalay();

}

else if(no2==4)

{

billBeverage();

}

else

{

error();

}

}

float sum()

{

billSum = total1 + total2 + total3 + total4;

return billSum;

}

///Payment Options

int payment ()

{

cout<<endl;

cout << "Payment Options:" << endl ;

cout << endl ;

cout << "1. Cash" << endl ;

cout << "2. Credit Card" << endl ;

cout << endl ;

cout << "Enter your selection: " ;

cin >> paychoice ;

return paychoice ;

}

void cash ()

{

system ("cls") ;

system ("color B0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\tYour Order is Successful!\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\tPlease pay at the counter...\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\tThank you for using our system and please come again! ^^\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t";

}

void credit ()

{

system ("cls");

system ("color B0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\tPlease enter your Credit Card Credentials\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\tDont worry,your personal information is safe with us.\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\tMaybeeeeee.....\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<endl;

}

void payment1()

{

payment () ;

cout << endl ;

if (paychoice==1)

{

cash () ;

}

else if (paychoice==2)

{

credit () ;

do

{

cout << "Credit Card Number: " ;

cin >> ccc ;

cout << endl ;

if (ccc>9999999999999999)

{

cout << "Invalid Credit Card Number" << endl ;

}

else if (ccc<=0)

{

cout << "Invalid Credit Card Number" << endl ;

}

else if (ccc<1000000000000000)

{

cout << "Invalid Credit Card Number" << endl ;

}

else if (ccc>=1000000000000000)

{

do

{

cout << "Pin Number: " ;

cin >> pin ;

cout << endl ;

if (pin>999999)

{

cout <<"Invalid Pin" << endl ;

}

else if (pin<=0)

{

cout <<"Invalid Pin" << endl ;

}

else if (pin<100000)

{

cout <<"Invalid Pin" << endl ;

}

else if (pin>=100000)

{

cout << endl ;

cout << endl ;

cout <<"Pin is accepted" << endl ;

cout << "Thank you for using our system and please come again! ^^" << endl ;

return ;

}

else

{

cout << endl ;

cout << endl ;

cout <<"Pin is accepted" << endl ;

cout << "Thank you for using our system and please come again! ^^" << endl ;

return ;

}

cout << "Do you wish to try again?(y/n) : " ;

cin >> choice2 ;

}while (choice2== 'y' || choice2== 'Y') ;

return;

}

else

{

do

{

cout << "Pin Number: " ;

cin >> pin ;

cout << endl ;

if (pin>9999)

{

cout <<"Invalid Pin" << endl ;

}

else if (pin<=0)

{

cout <<"Invalid Pin" << endl ;

}

else if (pin<1000)

{

cout <<"Invalid Pin" << endl ;

}

else if (pin>=1000)

{

cout << endl ;

cout << endl ;

cout <<"Pin is accepted" << endl ;

cout << "Thank you for using our system and please come again! ^^" << endl ;

return ;

}

else

{

cout << endl ;

cout << endl ;

cout <<"Pin is accepted" << endl ;

cout << "Thank you for using our system and please come again! ^^" << endl ;

return ;

}

cout << "Do you wish to try again?(y/n) : " ;

cin >> choice2 ;

}while (choice2== 'y' || choice2== 'Y') ;

return;

}

cout << "Do you wish to try again?(y/n) : " ;

cin >> choice1 ;

}while (choice1=='y' || choice1== 'Y') ;

return;

}

}

///Main Function Starts Here

int main()

{

int a = 0 ;

while ( intro1[a] != '\0')

{

cout << intro1[a] ;

Sleep (10) ;

a++;

}

Sleep(1500);

system ("cls");

cout << intro2;

Sleep(2000);

system ("cls");

cout << intro3;

Sleep(2000);

system ("cls");

cout << intro4;

Sleep(3000);

system ("cls");

cout << intro5;

Sleep(4000);

system ("cls");

system ("color 02");

complete();

system ("pause");

welcome();

cout<<"\t\t\t\t\tEnter your selection: ";

cin>>no1;

//Dine In

if(no1==1)

{

do

{

menu();

cin>>no2;

bill();

system("pause");

again();

}while(cont=='y'||cont=='Y');

system("cls");

sum();

cout<<"Total amount to pay: RM"<<billSum<<endl;

payment1();

}

//Take Away

else if(no1==2)

{

plastic();

cout<<"\t\t\t\t\tEnter your selection: ";

cin>>char1;

if(char1=='y'||char1=='Y')

{

ensure();

cout<<"\t\t\t\t\tEnter your selection: ";

cin>>char2;

if(char2=='y'||char2=='Y')

{

system("cls");

system("color 0D");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\tYou just contributed to environmental pollution :/\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

system("pause");

do

{

menu();

cin>>no2;

bill();

system("pause");

again();

}while(cont=='y'||cont=='Y');

system("cls");

sum();

cout<<"Total amount to pay: RM"<<billSum<<endl;

payment1();

}

else if(char2=='n'||char2=='N')

{

system("cls");

system("color E0");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\tThank you for your contribution towards a better environment!\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

system("pause");

do

{

menu();

cin>>no2;

bill();

system("pause");

again();

}while(cont=='y'||cont=='Y');

system("cls");

sum();

cout<<"Total amount to pay: RM"<<billSum<<endl;

payment1() ;

}

else

{

error();

}

}

else if(char1=='n'||char1=='N')

{

system("cls");

cout<<"\t=========================================================================================================\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\tThank you for your contribution towards a better environment!\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t|\t\t\t\t\t\t\t\t\t\t\t\t\t|\n";

cout<<"\t=========================================================================================================\n";

cout<<"\t\t\t\t\t\t\t\t\t\t\t\t\t\t\n";

system("pause");

do

{

menu();

cin>>no2;

bill();

system("pause");

again();

}while(cont=='y'||cont=='Y');

system("cls");

sum();

cout<<"Total amount to pay: RM"<<billSum<<endl;

payment1();

}

else

{

error();

}

}

//Exit

else if(no1==3)

{

system("cls");

thank();

return 0;

}

//Invalid Input

else

{

error();

}

system ("pause") ;

return 0;

}