PRACTICUM ASSIGNMENT REPORT

AUTOMATED PIZZA ORDERS

GROUP 4

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INFORMATIC MANAGEMENT STUDY PROGRAM
FACULTY OF VOCATIONAL

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★ **Source Code:**

```python
# welcome to pizza informatic management
print("welcome to pizza informatic management")

# What pizza toppings would you like to order?
def pizza_store():
    print("What pizza toppings would you like to order?")
    topping_1 = "frankfurter"
    topping_2 = "meat monsta"
    topping_3 = "super supreme chicken"
    topping_4 = "tuna cheesy bites"

    crust_1 = "pan pizza"
    crust_2 = "stuffed crust sosis"
    crust_3 = "crowncrust"
    crust_4 = "cheesy bites"

    size_1 = "personal"
    size_2 = "medium"
    size_3 = "large"


    toppings_pizza = input("choose pizza toppings: ")
    total_price = 0

    if toppings_pizza == topping_1:
       print("price of frankfurter topping is 10000")
       total_price += 10000
    elif toppings_pizza == topping_2:
        print("price of meat monsta topping is 15000")
        total_price += 15000
    elif toppings_pizza == topping_3:
        print("price of super supreme chicken topping is 20000")
        total_price += 20000
    elif toppings_pizza == topping_4:
        print("price of tuna cheesy bite topping is 25000")
        total_price += 25000
    else:
        print("you dont choose the topping")
        print("What crust do you want to order?")

    crust_pizza = input("choose crust pizza: ")

    if crust_pizza == crust_1:
        print("price of pan pizza is 15000")
        total_price += 15000
    elif crust_pizza == crust_2:
        print("price of stuffed crust sosis is 25000")
        total_price += 25000
    elif crust_pizza == crust_3:
        print("price of crowncrust is 20000")
        total_price += 20000
    elif crust_pizza == crust_4:
        print("price of cheesy bite is 30000")
        total_price += 30000
    else:
        print("you dont choose the crust")

    print("What size do you want to order?")

    size_pizza = input("choose size pizza: ")


    if size_pizza == size_1:
       print("price of personal pizza is 10000")
       total_price += 10000
    elif size_pizza == size_2:
        print("price of medium pizza is 20000")
        total_price += 20000
    elif size_pizza == size_3:
        print("price of large pizza is 30000")
        total_price += 30000
    else:
        print("you dont choose the size")

    cheese = input("Do you want extra cheese?")

    if cheese == "yes":
        print("Price of extra cheese is 13000")
        total_price += 13000

    print("Thank you for choosing Pizza Informatic Management !!!")
    print(f"Your final bill is : {total_price}")

pizza_store()
```

Coding Explanation 1:

```python
# welcome to pizza informatic management
print("welcome to pizza informatic management")

# What pizza toppings would you like to order?
def pizza_store():
    print("What pizza toppings would you like to order?")
    topping_1 = "frankfurter"
    topping_2 = "meat monsta"
    topping_3 = "super supreme chicken"
    topping_4 = "tuna cheesy bites"

    crust_1 = "pan pizza"
    crust_2 = "stuffed crust sosis"
    crust_3 = "crowncrust"
    crust_4 = "cheesy bites"

    size_1 = "personal"
    size_2 = "medium"
    size_3 = "large"
```

- The def function with the name **pizza_store** is tasked with displaying every code contained in the def function with the name **pizza_store.** This function is called using **pizza_store ()**.

- variables to store a list of pizza shop menus, namely pizza toppings, pizza crust, and pizza size. This variable has a string data type that represents a character or sentence.

Coding Explanation 2:

```
toppings_pizza = input("choose pizza toppings: ")
    total_price = 0

    if toppings_pizza == topping_1:
       print("price of frankfurter topping is 10000")
       total_price += 10000
    elif toppings_pizza == topping_2:
        print("price of meat monsta topping is 15000")
        total_price += 15000
    elif toppings_pizza == topping_3:
        print("price of super supreme chicken topping is 20000")
        total_price += 20000
    elif toppings_pizza == topping_4:
        print("price of tuna cheesy bite topping is 25000")
        total_price += 25000
    else:
        print("you dont choose the topping")
```

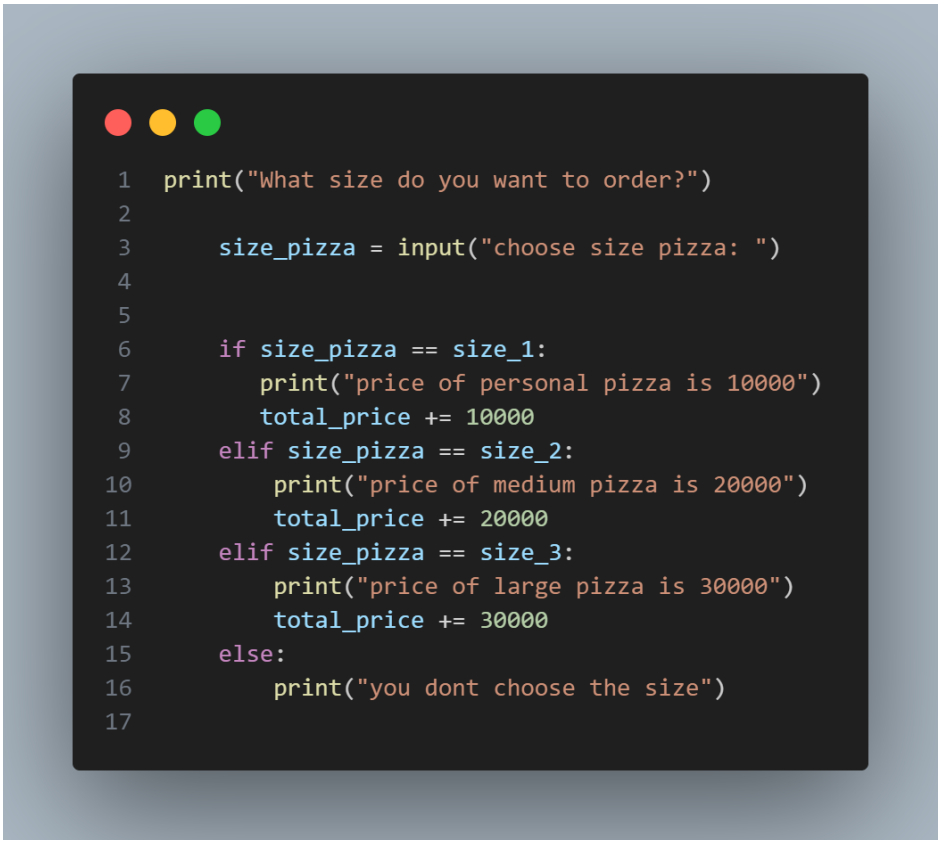
- This code asks the customer to enter the desired toppings on the pizza management informatics
- **topping_pizza** : These variables will be displayed and the program will wait for the customer to select one of the toppings or not select the toppings provided
- **input:** The input is stored in the pizza toppings variable for later comparison
- **total_price:** The total price variable is entered with the number 0 and is used to store the total price chosen by the customer. If the customer chooses one of the topping pizzas then the price will be added to the total price. If the customer does not choose one of the crust pizza then the results continue to else
- **if, elif, else topping_pizza = topping 1, 2,3 etc:**
- This code uses (if, elif, else) if one is valid/ the customer chooses one of the toppings (eg topping 1, topping 2, etc.) then the total price will be displayed, if the customer does not choose a topping then proceed to else to display "you don't choose the toppings"
- **total_price = selected topping:** total price will display the results if the customer chooses one of the toppings and this function will display the total price of that choice.

Coding Explanation 3:

```
crust_pizza = input("choose crust pizza: ")

    if crust_pizza == crust_1:
        print("price of pan pizza is 15000")
        total_price += 15000
    elif crust_pizza == crust_2:
        print("price of stuffed crust sosis is 25000")
        total_price += 25000
    elif crust_pizza == crust_3:
        print("price of crowncrust is 20000")
        total_price += 20000
    elif crust_pizza == crust_4:
        print("price of cheesy bite is 30000")
        total_price += 30000
    else:
        print("you dont choose the crust")

```

- This code asks the customer to enter the desired crust pizza on the pizza management informatics
- **crust_pizza**: These variables will be displayed and the program will wait for the customer to select one of the crust pizza or not select the toppings provided
- **input:** The input is stored in the crust pizza variable for later comparison
- **total_price:** The total price variable is entered with the number 0 and is used to store the total price chosen by the customer. If the customer chooses one of the crust pizzas then the price will be added to the total price. If the customer does not choose one of the crust pizza then the results continue to else
- **if, elif, else crust_pizza == crust 1, 2, 3 etc:**
- This code uses (if, elif, else) if one is valid/ the customer chooses one of the crust pizza (eg crust 1, crust 2, etc.) then the total price will be displayed, if the customer does not choose a crust topping then proceed to else to display “you don't choose the crust pizza”
- **total_price = selected crust:** total price will display the results if the customer chooses one of the crust pizza and this function will display the total price of that choice

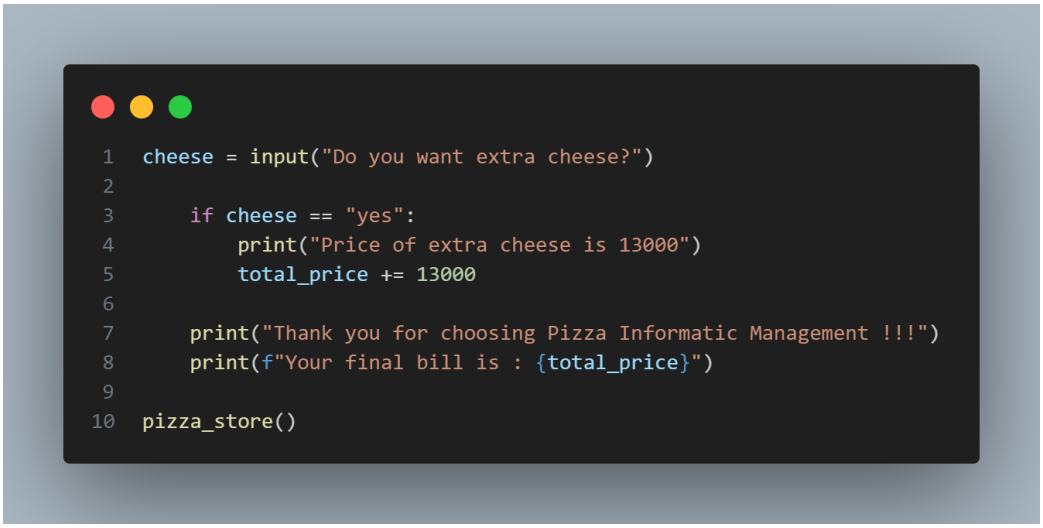
Coding Explanation 4:



```
print("What size do you want to order?")

    size_pizza = input("choose size pizza: ")


    if size_pizza == size_1:
       print("price of personal pizza is 10000")
       total_price += 10000
    elif size_pizza == size_2:
        print("price of medium pizza is 20000")
        total_price += 20000
    elif size_pizza == size_3:
        print("price of large pizza is 30000")
        total_price += 30000
    else:
        print("you dont choose the size")

```

- This code asks the customer to enter the desired size pizza on the pizza management informatics
- **size_pizza**: These variables will be displayed and the program will wait for the customer to select one of the size pizza or not select the toppings provided
- **input:** The input is stored in the size pizza variable for later comparison
- **total_price:** The total price variable is entered with the number 0 and is used to store the total price chosen by the customer. If the customer chooses one of the size pizza then the price will be added to the total price. If the customer does not choose one of the size pizza then the results continue to else
- **if, elif, else size_pizza == size 1, 2, 3 etc:**
- This code uses (if, elif, else) if one is valid/ the customer chooses one of the size pizza (eg crust 1, crust 2, etc.) then the total price will be displayed, if the customer does not choose a size topping then proceed to else to display "you don't choose the size “
- **total_price = selected size:** total price will display the results if the customer chooses one of the size pizza and this function will display the total price of that choice

Coding Explanation 5:

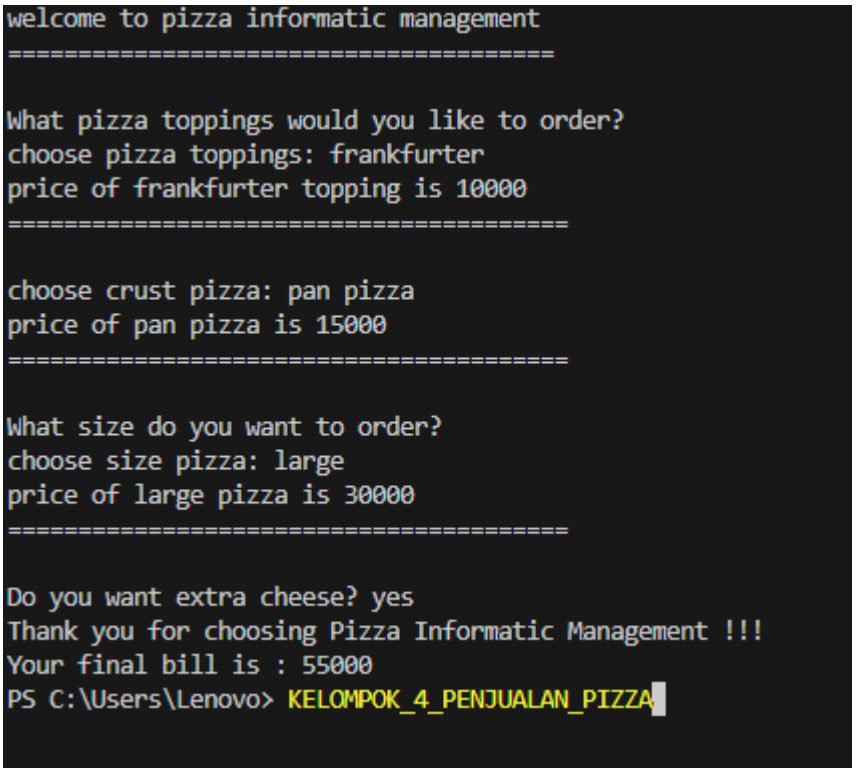


```
cheese = input("Do you want extra cheese?")

    if cheese == "yes":
        print("Price of extra cheese is 13000")
        total_price += 13000

    print("Thank you for choosing Pizza Informatic Management !!!")
    print(f"Your final bill is : {total_price}")

pizza_store()
```

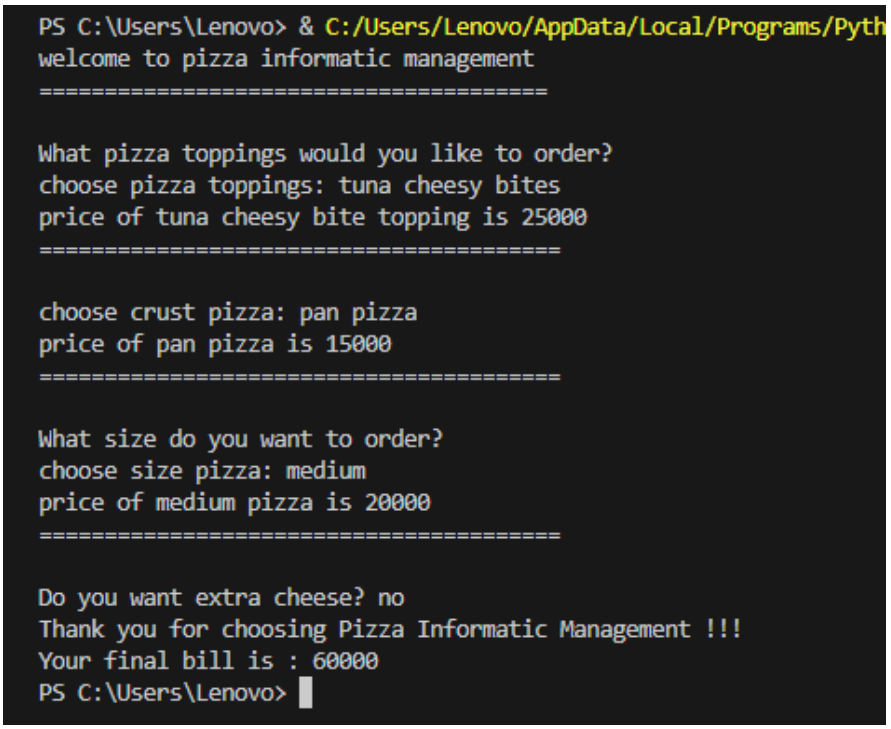
- This code asks the customer to enter whether they want to add cheese
- **cheese:** These variables will be displayed and the program will wait for the customer to answer yes or no to additional cheese
- **input:** The input is stored in the size pizza variable for later comparison
- **total_price:**The total price variable is entered with the number 0 and is used to store the total price selected by the customer. If the customer selects yes then the price will be added to the total price. If the customer does not then the results carry over to the total price
- **if cheese == “yes”:**
- This code uses (if) if there is a valid one/the customer choose yes then an additional total of 13 thousand will be displayed, if the customer answers no then proceed to the final payment stage
- **total_price = selected toppings, crust, size and additional cheese:** total price will display the total price of the customer's choice.

Output the result of inputting a pizza order:

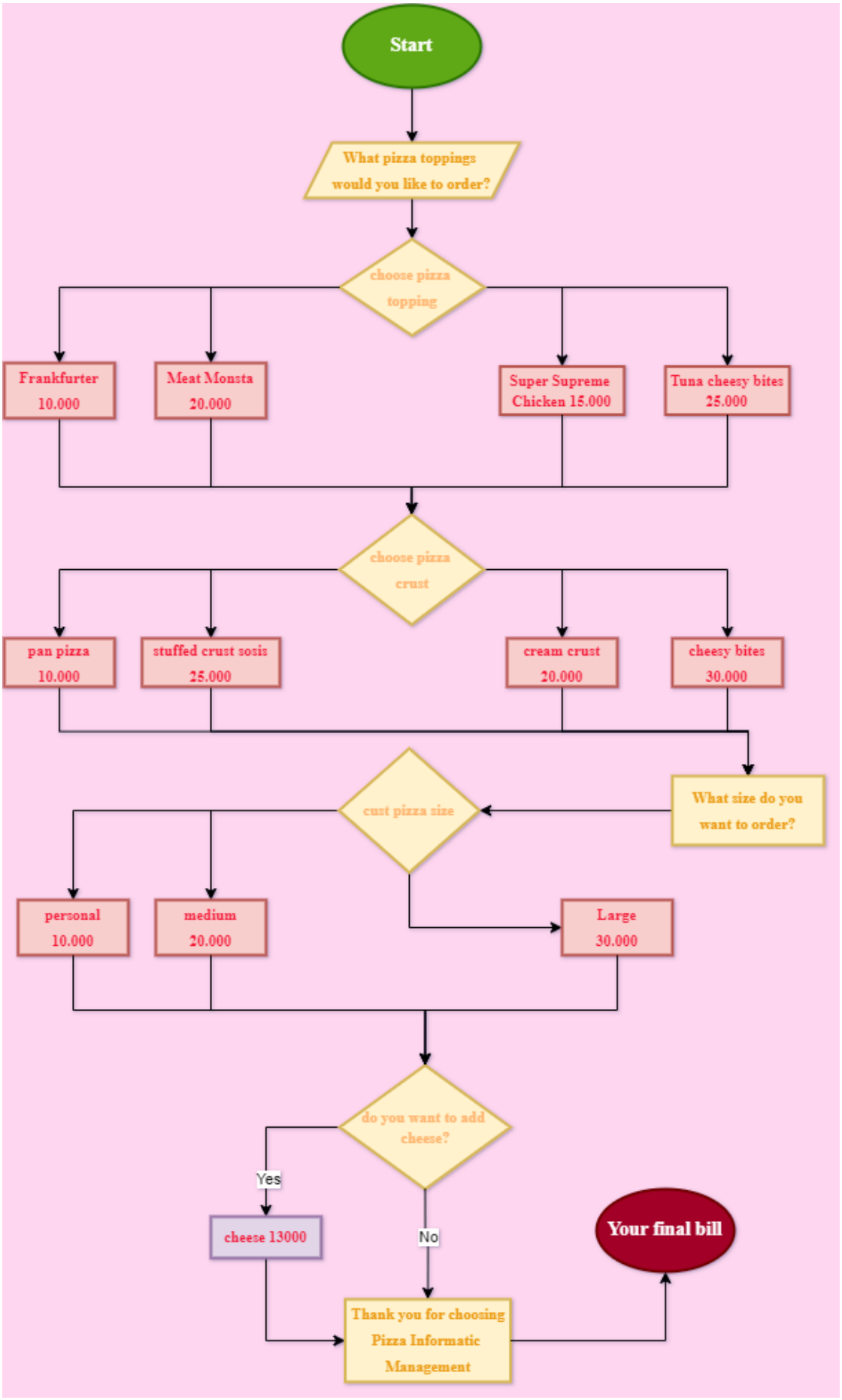
⇒ output explanation 1, if we choose of cheese



⇒ output explanation 2, if we dont choose of cheese



FLOWCHART:


Start
What pizza toppings would you like to order?
choose pizza topping
Frankfurter 10.000
Meat Monsta 20.000
Super Supreme Chicken 15.000
Tuna cheesy bites 25.000
choose pizza crust
pan pizza 10.000
stuffed crust sosis 25.000
cream crust 20.000
cheesy bites 30.000
What size do you want to order?
cust pizza size
personal 10.000
medium 20.000
Large 30.000
do you want to add cheese?
Yes
No
cheese 13000
Thank you for choosing Pizza Informatic Management
Your final bill

EXPLANATION OF FLOWCHART:

- **Start (Oval Symbol):**
  The oval symbol indicates the start of the pizza ordering process. This is a terminal, the point where the program starts.

- **What pizza toppings would you like to order? (Parallelogram - input/output symbol):**
  At this stage, the system asks the user to enter their order of pizza toppings. Symbol the parallelogram indicates input/output, in this case, input from the user.

- **Choose pizza topping (Diamond - Decision Symbol):**
  Users are asked to enter the pizza toppings they want to choose. diamond used as a decision symbol, which the program will check whether the input provided corresponds to one of the available options.

- **Pizza topping selection (Rectangle - Process Symbol):**
  Decision making happens here. If the input from the user matches one of the pizza options (for example, input 1 for "Frankfurter"), the system will save the selection. It uses a rectangle (process). If the input is invalid, the user is redirected to re-enter the selection.

- **Choose pizza crust (Diamond - Decision Symbol):**
  Users are asked to enter the pizza crust they want to choose. diamond used as a decision symbol, which the program will check whether the input provided corresponds to one of the available options.

- **Pizza crust selection (Rectangle - Process Symbol):**
  Decision making happens here. If the input from the user matches one of the pizza options (for example, input 1 for "Cheesy Bites"), the system will save the selection. It uses a rectangle (process). If the input is invalid, the user is redirected to re-enter the selection.

- **Choose pizza size (Diamond - Decision Symbol):**
  Users are asked to enter the pizza size they want to choose. diamond used as a decision symbol, which the program will check whether the input provided corresponds to one of the available options.

- **Pizza size selection (Rectangle - Process Symbol):**
  Decision making happens here. If the input from the user matches one of the pizza options (for example, input 1 for "Larges"), the system will save the selection. It uses a rectangle (process). If the input is invalid, the user is redirected to re-enter the selection.

- **Do you want to add extra cheese? (Diamond - Decision Symbol):**
  The user asked if they would like to add extra cheese. If yes, additional items will be added to the order total. Diamonds are used again to make decisions.

- **Your final bill (Oval Symbol):**
  Once all selections are made, the final bill printing system. The oval symbol is used to show that the program has been completed and the total price will be displayed based on pizza choice, crust, size, and additional cheese (if any).

PSEUDOCODE:

```
Begin
Write ( Welcome to Pizza Informatic Management )

choice of toppings
        Write ( What pizza  toppings would you like to order? )
         Read  ( total_price =0)
         Write ( choose pizza toppings: )
         Input  ( pizza toppings)
         Read  ( pizza toppings )
                  If ( pizza toppings == frankfurter ) then
                      Write ( Price of frankfurter topping is 10000) then
                            total_price += 10000
                  Else if ( pizza toppings == meat monsta) then
                      Write ( Price of meat monsta topping is 15000) then
                            total_price += 15000
                  Else if ( pizza toppings == super supreme chicken ) then
                      Write ( Price of super supreme chicken is 20000) then
                             total_price += 20000
                  Else if ( pizza toppings ==  tuna cheesy bites ) then
                      Write ( Price of tuna cheesy bites is 25000) then
                             total_price += 25000
                  Else ( pizza toppings != toppings_pizza) then
                      Write ( you don't choose the topping )
choice of crust
        Write ( What crust do you want to order? )
         Write ( choose crust pizza: )
         Input  ( crust pizza )
         Read  ( crust  pizza )
                  If ( crust pizza == pan pizza) then
                     Write ( price of pan pizza is 15000) then
                            total_price += 15000
                 Else If ( crust pizza == stuffed crust sosis) then
                     Write ( price of stuffed crust sosis is 25000) then
                            total_price += 25000
                 Else If ( crust pizza == crowncrust) then
                     Write ( price of crowncrust is 20000) then
                            total_price += 20000
                 Else If ( crust pizza == cheesy bite) then
                     Write ( price of cheesy bite  is 30000) then
                            total_price += 30000
                  Else ( crust pizza  != crust_pizza) then
                     Write ( you don't choose the crust )
choice of size
        Write ( What size do you want to order? )
         Write ( choose size pizza: )
         Input  ( size  pizza )
         Read  ( size  pizza )
                  If ( size pizza  == personal) then
                       Write (price of personal pizza is 10000)
                             total_price += 10000
                  Else If ( size pizza  == medium) then
```

```
                    Write (price of medium pizza is 20000)
                            total_price += 20000
                Else If ( size pizza  == large) then
                    Write (price of large pizza is 30000)
                            total_price += 30000
                Else ( size pizza  != size_pizza) then
                    Write ( you don't choose the size)

                If ( cheese == yes) then
                    Write ( Price of extra cheese is 13000 ) then
                            total_price += 13000

   Write ( Thank you for choosing Pizza Informatic Management!!! )
   Write ( Your final bill is: )
    Read ( total_price)

End
```