Burger Builder Pseudocode Caleb Hays

Start

Declarations

var string bunType

var string dineChoice

var string bunChoice

var int pCount

var bool cheeseChoice

var bool lettuceChoice

var bool tomatosChoice

var bool onionsChoice

var bool picklesChoice

var bool ketchpChoice

var bool mustardChoice

var bool mayoChoice

var bool bbqChoice

burgerBuilderWelcome()

dineOrTake()

bunChoice()

pattyChoice()

toppingsChoice()

saucesChoice()

review()

completeOrder()

stop

**burgerBuilderWelcome()**

output “Welcome to Burger-Builder”

output “When you are ready, please click Next to begin building your burger”

return

**dineOrTake()**

output “Is this order for here or to go?

Input choice

IF choice equals dine in

Set dineChoice to “Dine In”

Else

Set dineChoice to “Take Out”

End else

End if

Return dineChoice

Return

**bunChoice()**

display bun choices

output “Please select a bun choice”

input = bunChoice

if no bun is selected

output “Please choose a bun type before clicking next”

if more than one choice is made

output “Please only choose one bun type”

clear bun selections

end if

else if a bun type is chosen and there is only one type

set bunType

end if

return bunType

return

**pattyChoice()**

int pCount = 0

output patty count as “0”

output instruct user to add or subtract patty count

if user clicks “add”

pCount += 1

if user clicks “subtract”

pCount -= 1

end if

end if

return pCount

return

**toppingsChoice()**

output “Please select the toppings you would like”

display topping choices

if user selects the Cheese button

cheeseChoice = true

else

cheeseChoice = false

end if

if user selects the Lettuce button

lettuceChoice = true

else

lettuceChoice = false

end if

if user selects the Tomatoes button

tomatosChoice = true

else

tomatosChoice = false

end if

if user selects the Onions button

onionsChoice = true

else

onionsChoice = false

end if

if user selects the Pickles button

picklesChoice = true

else

picklesChoice = false

end if

return

cheeseChoice

lettuceChoice

tomatosChoice

onionsChoice

picklesChoice

return

saucesChoice()

output “Please select the sauces you would like”

output sauce choices

if user selects the Ketchup button

ketchupChoice = true

else

ketchupChoice = false

end if

if user selects the Mustard button

mustardChoice = true

else

mustardChoice = false

end if

if user selects the Mayo button

mayoChoice = true

else

mayoChoice = false

end if

if user selects the Barbecue button

bbqChoice = true

else

bbqChoice = false

end if

return

ketchupChoice

mustardChoice

mayoChoice

bbqChoice

return

review()

output

dineOrTake() results

bunChoice() results

pattyChoice() results

toppingsChoice() results

saucesChoice() results

output “Is this order correct?

If yes

Return

If no

Return to dineOrTake()

End if

End if

Return

completeOrder()

output

“Thank you for your order!”

“Here is your order summary”

“-------------------------------------“

“Bun choice: “ + bunChoice

“Patty count: “ + pCount

“Toppings: “ + (variables with bool values that depict whether a topping is displayed or not)

“Sauces: “ + (same as toppings)

“----------------------------------------“

“Thank you! Your order is complete!”

return