Workshop-5

Group-4

Subgroup-1

THE WHOLE PROCESS

# Cover Charges (Sub-process 1)

1. Declare variables

Child\_charge, Adult\_charge, Senior\_charge

Child, Adult, senior, Total\_charge

2. Store the number of child in variable “Child”

3. Store the number of Adult in variable “Adult”

4. Store the number of Senior in variable “Senior”

5. Now calculate cover charges for children = “Child” multiply by “ Child\_charge”

6. Now calculate cover charges for adults = “Adult” multiply by “Adult\_charge“

7. Now calculate cover charges for senior citizens = “Senior” multiply by “Senior\_charge”

8. Now calculate Total\_charge = Cover charge of children + Cover charge of Adult + Cover charge of senior

9. END

# Ticket Charges (Sub-process 2)

1. Declare variables for Musical

M\_Music\_Ticket, E\_Music\_Ticket,

2. Declare variables for Theater

M\_Theatre\_Ticket, E\_Theatre\_Ticket

3. declare variables

Ticket\_Total

Time

Music\_tickets

Theater\_tickets

4. Declare variables

Total\_ Music, Total\_Theatre,

5. If Time is between 12:00pm - 4:00 pm

a) If user selects musical feature ticket

i) tell user to enter the number of tickets for musical stored value to “Music\_tickets”

ii) Now calculate number of tickets for musical = “Music\_tickets” multiply “M\_Music\_Ticket”

iii) Print total price of musical = “Total\_Music”

b) If user selects theatre feature ticket

i) tell user to enter the number of tickets for Theater stored value to “Theater\_tickets”

ii) Now calculate number of tickets for Theater = “Theater\_tickets” multiply “M\_Theater\_Ticket”

iii) Print total price of Theater = “Total\_Theater”

6. Now “Ticket\_Total” = “Total\_Music” + “Total\_Theater”

7. If ”Time” is between 6:00pm - 9:00 pm

a) If user selects musical feature ticket

i) tell user to enter the number of tickets for musical stored value to “Music\_tickets”

ii) Now calculate number of tickets for musical = “Music\_tickets” multiply “E\_Music\_Ticket”

iii) Print total price of musical = “Total\_Music”

b) If user selects theatre feature ticket

i) tell user to enter the number of tickets for Theater stored value to “Theater\_tickets”

ii) Now calculate number of tickets for Theater = “Theater\_tickets” multiply “M\_Theater\_Ticket”

iii) Print total price of theater = “Total\_Theater”

8. Now “Ticket\_Total” = “Total\_Music” + “Total\_Theater”

9.END

# Discounts (Sub-process 3)

1. Declaring variables

People = child + adult + senior

Total\_price

1. TICKET PURCHASING
2. Stored the value enter by the user into “people”
3. SPECIFY THE TIME & TYPE OF SHOW

a) MUSICAL THEARTE

i) MORNING(12pm-4pm) = $ 68/ person

ii) EVENING6pm-9pm) = $ 145/ person

b) Theatre Feature Ticket Pricing

i) Matinée (12pm-4pm) =$58/ person

ii) Evening (6pm-9pm) = $135/ person

4.i NO. OF PEOPLE - 2 WILL GET 5% OFF.

4.ii NO. OF PEOPLE - 3 WILL GET 10% OFF.

4.iii NO. OF PEOPLE - 4 WILL GET 15% OFF.

4.iv NO. OF PEOPLE - 5 & MORE WILL GET 25% OFF.

1. Calculate and store the discounted price in “Total\_price”
2. END

# Snack Charges (Sub-process 4)

1. declare variable

total\_alcoholic

total\_non-alcoholic

total\_candy

1. IF IT IS NON ALCHOLIC BEVERAGE PRICE = $2.50
2. total\_non-alcoholic \* $2.50
3. IF IT IS ALCHOLIC BEVERAGE PRICE = $6.75
4. total\_alcoholic \* $6.75
5. IF IT IS MISC CANDY ITEM = $2.25
6. Total\_candy \* $2.25
7. Now print the total snack charge = total\_alcoholic \* $6.75 +

total\_non-alcoholic \*$2.50 + total\_candy \* $2.25

1. END

# Valet Parking Charges (Sub-process-5)

1. Declaring and initializing variable

Matinée – Standard == MS == $10.00

Matinée – VIP == MV == $25.00

Evening – Standard == ES == $15.00

Evening – VIP == EV ==$35.00

2. Declare variables

Parking

Total-Charge

Tips

Service

3. Tips are the optional

4. Stored value of Tips in the variable called Tips

5. Stored choice of service in the variable called service

6. While Parking is less than 1

7. If Customer select

(a) Service == “Matinée – Standard”

i) Total-Charge = MS + Tips

Else if

(b) Service == “Matinée – VIP”

i) Total-Charge = MV + Tips

Else if

(c) Service == “Evening – Standard”

i) Total-Charge = ES + Tips

Else if

(d) Service == “Evening – VIP”

i) Total-Charge = EV + Tips

Else if

8. Else print “Service Not Available”

9. Total parking charge = output of step 7

10. End

# RECEIPT (Sub-Process-6)

1. Declaring variable

Selected\_item\_list (received from the sub process )

Discount

Subtotal

Total

Taxes (optional)

2. Display the item list from the Selected\_item\_list (stored values from the sub process)

3. Is there any discount of any items ?

Yes = show the discount and the item

No = go to step 4

4. Now calculate the subtotal of all the items (include discount items)

5. Calculate total Tax = subtotal \* 13/100

6. Now calculate the total

Total = subtotal + Tax

7. Display all the values (discount, subtotal, Tax, Total)

8. End.