UNIVERSITI TEKNOLOGI MARA

CSC128
FUNDAMENTALS OF COMPUTER PROBLEM SOLVING

GROUP PROJECT PROPOSAL AND REPORT

Title: XXXXXXX
Group: XXXXXX
Lecturer: Mohd Saifulnizam Abu Bakar

Matric No.	Name

Date: xx July 2023

PROJECT SUMMARY

Golden Screen Cinema company has created online website programme for the alternative way to buy movie tiket rather than walk in. User does not need to queued when walk in to buy movie ticket. With this programme, it will make it easier as the user can easily book the ticket itself anytime and anywhere. Nowadays, everything can only be done by itself as the technology is getting more better. Our programme is for the user to easily book the movie at the cinema by entering the chosen movie.

How will this programme work? They can start the machine by entering the a code of movie they wanted to watch. Do not worry as all the codes will be displayed with the movie you want to pick. They are in a total of eleven movies. Next, the user will have to choose the time as the multiple times is showed in the display. The user only need to choose one time as this will proceed to the quantity after being picked.

The user then will be asked to put the quantities of people the user wanted to book. The quantity have three types that are quantity for adult, children and student. After the quantity is settled, movie seats will be displayed for the user to choose. The user will have to input the row and the seat. The seat can only be 'in-order' type so the user only need to choose from where they want to seat. After that, the user will be asked if the user want to order any meal. These meal that is displayed and booked at the movie counter ticket is cheaper than the meal to buy itself at the cinema. The meal contents will be showed to make the user know what meal they are choosing.

Lastly, the receipt will be showed that displays the hall, movie title, row, seats, time and the prices before and after gst. After confirming the receipts, it will be asked if they want to repeat the order before printing out the ticket and the booking.

This programme shows user friendly programme in the modern world to make the user easier to think before they decide to choose.

SYSTEM SYNOPSIS

This is an online ticket purchase system for a concert entitled "MY CHEMICAL ROMANCE MALAYSIA TOUR" that is held in national stadium. In our reality life, purchasing a ticket can be difficult since there are a lot of audiences far from the venue wants to buy a ticket. This might cost them a lot of money to travel to the scene and also dragging them into a huge loss if the tickets were sold before they arrived.

Buying a ticket at the scene also can cause a massive rush due to excessive amount of people entering the counter. This situation is difficult to avoid since people rushes and struggle to purchase the ticket. Riot can also occur whenever the ticket is sold which makes the people starts to rebel. This critical consequence result in destruction of the properties at the area and also massive injuries among people around the area due to fights and riots.

In order to solve this problem, other alternative such as online booking can be done. Thus, this project is carried out to describe on how online booking is done. This project is also carried out to conclude that this is one of the most effective way to purchase a ticket in instant without causing massacre to the people around us.

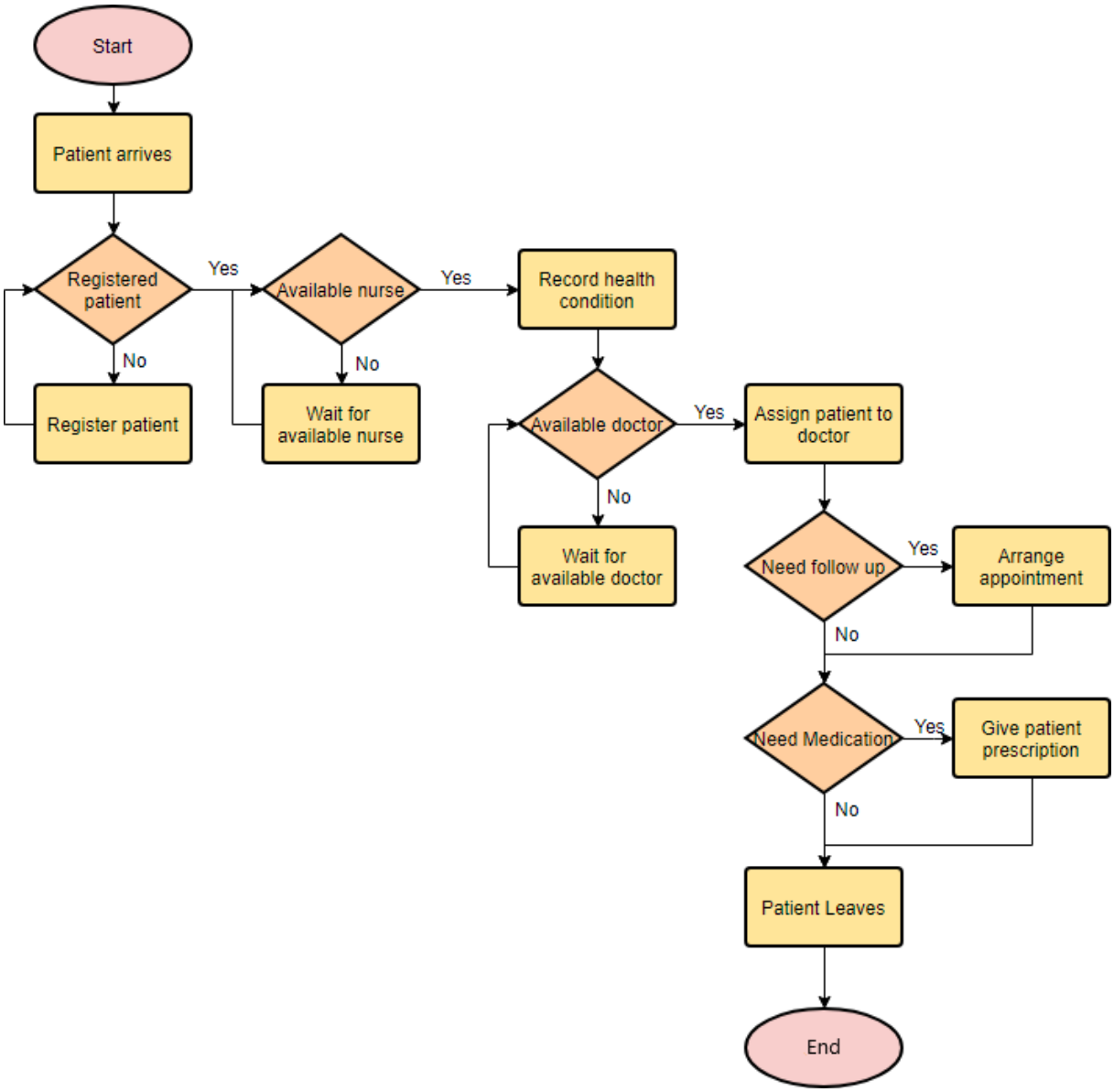
OBJECTIVE OF THE PROJECT

List the objective of the project

1. Xxxxx
2. Xxxx
3. Xxxx
4.

FLOW OF THE SYSTEM

show in diagram – not necessary in flowchart.



ANALYSIS

Input	
Process	
Output	

ANALYSIS (INPUT,PROCESS,OUTPUT)

Analysis

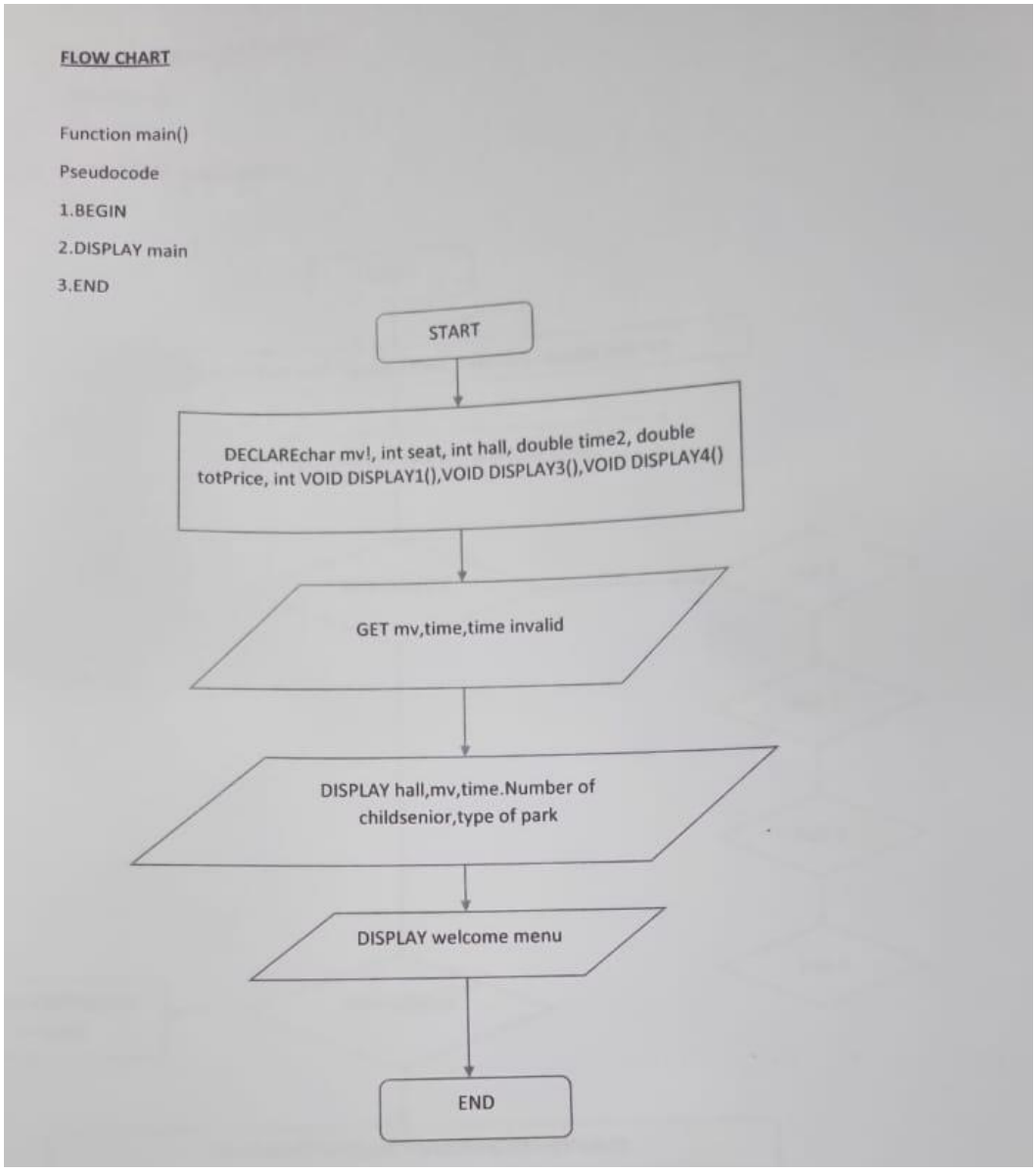
Input	quantityAdult,quantityChild,quantityStudent,movie
Output	Total,totalPrice,totQuantity,Hall,Seat

Analysis	IF (mv=A OR mv=a)
	DISPLAY "hall=1"
	DISPLAY "X-MEN : DARK PHEONIX (ATMOS) "
	GET time
	IF (time=1)
	DISPLAY "10.05 A.M."
	ELSE IF (time=2)
	DISPLAY "12.10 P.M."
	ELSE IF (time=3)
	DISPLAY "12.20 P.M."
	ELSE IF (time=4)
	DISPLAY "3.45 P.M."
	ELSE IF (time=5)
	DISPLAY "5.15 P.M."
	ELSE
	DISPLAY "Time Invalid!"
	GET qAdult, qChild, qStudent
	CALCULATE totquan=qAdult+qChild+qStudent
	price1=qAdult*priceA
	price2=qChild*priceC
	price3=qStudent*priceS
	totPrice1=price1+price2+price3
	ELSE IF (mv=B OR mv=b)
	DISPLAY "hall=2"
	DISPLAY "X-MEN : DARK PHEONIX "
	GET time
	IF (time=1)
	DISPLAY "10.00 A.M."
	ELSE IF (time=2)

DESIGN ALGORITHM

Flowchart

Pseudocode



FLOW CHART

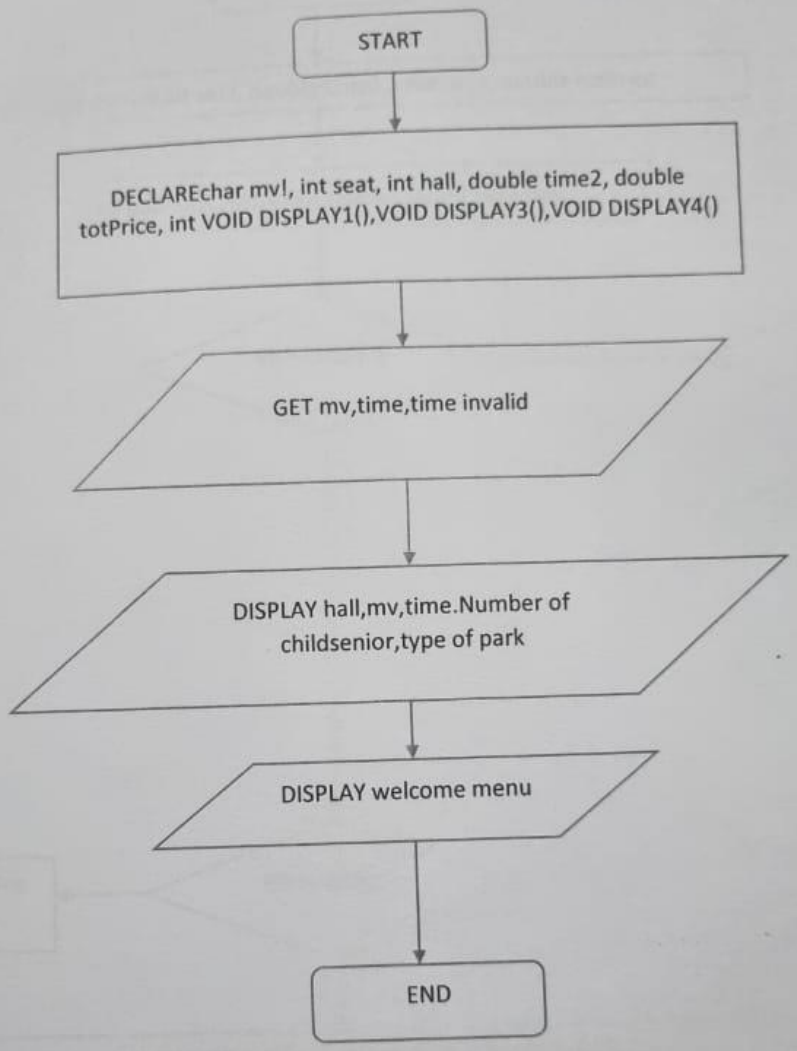
Function main()

Pseudocode

1.BEGIN

2.DISPLAY main

3.END



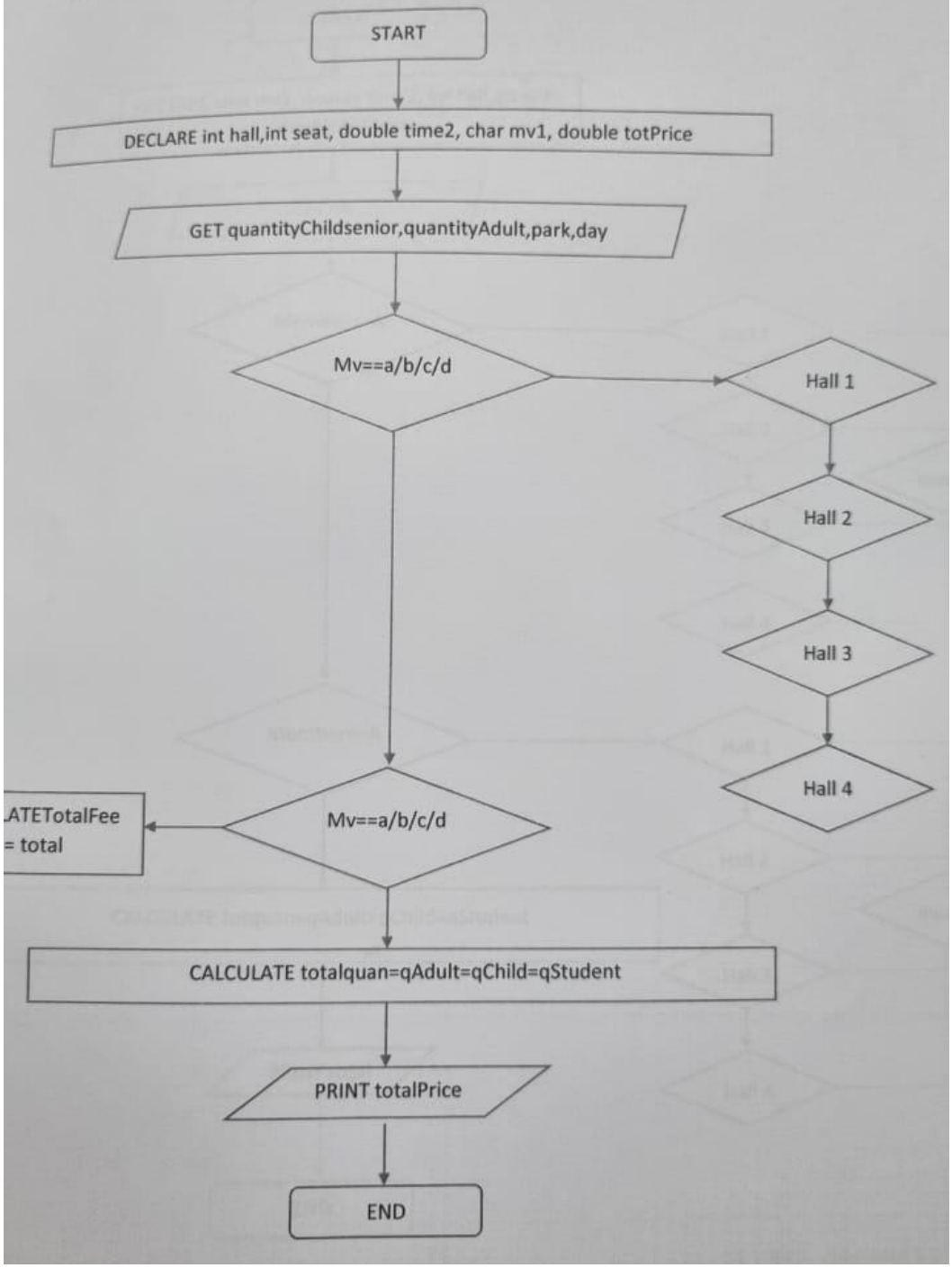
Function double calcTotalFee()

Pseudocode

1.BEGIN

2.DISPLAY calcTotalFee

3.END



SOURCE CODE/CODING

Paste all your code here

Consolas font 10 or 11 font size

```
#include <iostream>
#include <string.h>
#include <iomanip>
using namespace std;
```

SAMPLES OF OUTPUT

Minimum two sample of output

```
************************************************************************
*                       WELCOME TO SUPERSTAR FAMILY KARAOKE            *
************************************************************************



+-------------+-------------------------------------------------------------+
|             |                           Package(RM)                       |
|             |---------------+---------------+--------------+---------------|
|     Room/   |       A       |       B       |       C      |       D       |
|     code    |     1 hour    |     1 hour    |    2 hours   |    2 hours    |
|             |  (Room only)  |(Room + Drinks)|  (Room only) |(Room + Drinks)|
+-------------+---------------+---------------+--------------+---------------+
| Small (1)   |     18.00     |     23.00     |     36.00    |     41.00     |
| 1-4 pax     |               |               |              |               |
+-------------+---------------+---------------+--------------+---------------+
| Medium(2)   |     28.00     |     33.00     |     56.00    |     61.00     |
| 5-6 pax     |               |               |              |               |
+-------------+---------------+---------------+--------------+---------------+
| Big (3)     |     38.00     |     43.00     |     76.00    |     81.00     |
| 7-12 pax    |               |               |              |               |
+-------------+---------------+---------------+--------------+---------------+
Enter type of room code (1/2/3) :
```

```
************************************************************************
*                                                                      *
*               Superstar Family Karaoke Receipt                       *
*                                                                      *
*                www.superstarfamilykaraoke.com                        *
*                     Tel : 6 03-4131 7733                             *
*               Setapak Central Mall, Lot S26 & S27                    *
*                Second Floor, Jalan Taman Ibu Kota                    *
*                 Danau Kota, 53300, Kuala Lumpur                      *
*                                                                      *
************************************************************************


         Total :RM76.00
         Total with discount :RM76.00
         Total tax :RM4.56
         Total with tax :RM80.56
         Room number :12



--------------------------------CUPON--------------------------------
```

.0 SAMPLES OF OUTPUT

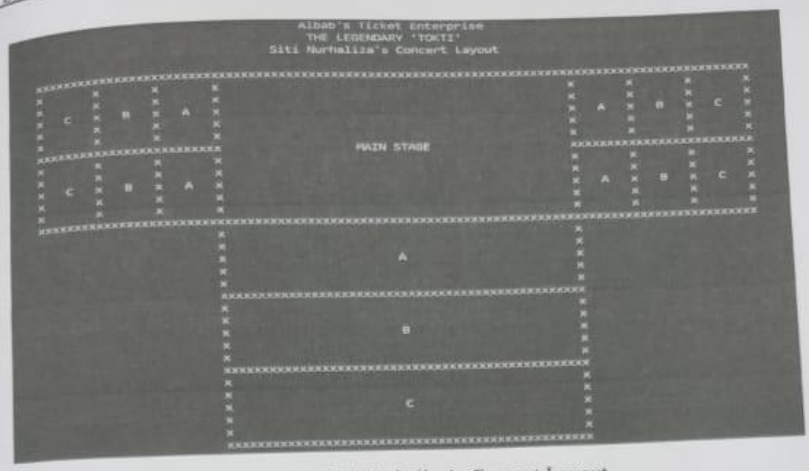
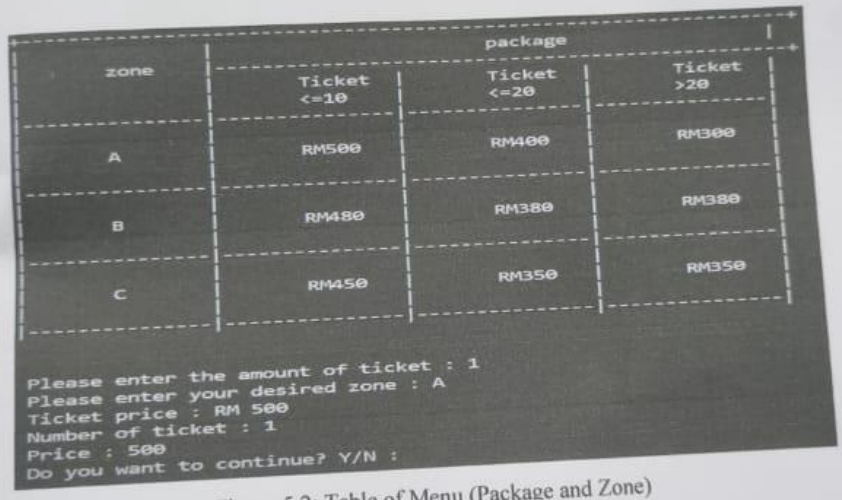


Figure 5.1: Siti Nurhaliza's Concert Layout



zone	package		
	Ticket <=10	Ticket <=20	Ticket >20
A	RM500	RM400	RM300
B	RM480	RM380	RM380
C	RM450	RM350	RM350

```
Please enter the amount of ticket : 1
Please enter your desired zone : A
Ticket price : RM 500
Number of ticket : 1
Price : 500
Do you want to continue? Y/N :
```

Figure 5.2: Table of Menu (Package and Zone)