**COVER PAGE**

REPLACE WITH BLUE COVER

PROVIDED

**PROJECT EVALUATION**

|  |  |
| --- | --- |
| **GROUP MEMBERS** | **STUDENT NUMBER** |
| 1. |   |
| 2. |   |
| 3. |   |
| 4. |  |
|  |  |
| **CONTENTS** | **MARKS**  |
| 1. **Synopsis of the system** | * describe all the input data needed (2 marks)
* describe the process on how program works (2 marks)
* describe all the information (output) to be displayed (2 marks)
 | /06 |
| 2. **Flow Chart**      | Diagrams - use correct diagrams | /04 |
| Flow of Program - show logic flow | /04 |
| Explanation - use words to explain the action | /04 |
| Input - list all the variables needed | /04 |
| Process - state all the process needed | /04 |
| Output - list all the variables needed | /04 |
| **CO3:LO2** | **/30** |
| 3. **Source Code**    | Correctness - The system can solve the assigned problem and output should be as per the specifications. | /05 |
| Reliability - The system should function accurately for a long period of time and also function correctly over all ranges and combination of data. | /05 |
| User friendliness - Easy to use with enough information. | /05 |
| Efficiency - Use of techniques covered and provides quality output. - sequential (5 marks)- selection (8marks)- repetition (7 marks)- function (5 marks)- input /output statements (5marks) | /30 |
| Readability of code - The source code should be simple and easy to understand.  | /05 |
| 4. **Screen output printed** * menu (2 marks)
* layout creativity (3 marks)
 | /05 |
| 5. **Complexity of a program** | /10 |
| 6. **Overall effort in the project** | /05 |
| **CO4:LO6** | **/70** |
| **TOTAL**  | **/100** |

**TOTAL MARKS = / 100**

**TABLE OF CONTENTS**

**1.0 SYSTEM SYNOPSIS**

* describe all the input data needed
* describe the process on how program works
* describe all the information (output) to be displayed

**2.0 ANALYSIS AND FLOWCHART**

**Function menu ()**

|  |  |
| --- | --- |
| **Input:**  | - |
| **Process:**  | 1. BEGIN
2. Display code and destination
3. END
 |
| **Output:**  | Display code and destination menu |

**Function menu ()**

2.

**Function calcPrice (int code,int quantity)**

|  |  |
| --- | --- |
| **Input:**  | code and quantity |
| **Process:**  | EXAMPLE BEGINDECLARE double ticketPrice, totalPrice, insurance;string destination;If code = 1Assign ticketPrice = 45;Assign destination = “Kuala Lumpur”;else if code = 2Assign ticketPrice = 28Assign destination = “Ipoh”; else if code = 3Assign ticketPrice = 55Assign destination = “Kuala Terengganu”;elseAssign ticketPrice = 0Assign destination = “Invalid destination code”;CALCULATE insurance = ticketPrice\*0.05;CALCULATE totalPrice = (ticketPrice + insurance) \* quantity;DISPLAY code, destination, quantity, ticketPrice, insurance, totalPriceEND |
| **Output:**  | code, destination, quantity,ticketPrice,insurance,totalPrice |

**Function calcPrice (int code,int quantity)**

ii.

i.

3.

2.

4.

i.

ii.

ii.

5.

i.

6.

i.

ii.

7.

8.

9.

**Function main()**

|  |  |
| --- | --- |
| **Input:**  | code, quantity, nextCustomer |
| **Process:**  | 1. BEGIN
2. DECLARE int code, quantity;

 char nextCustomer;1. REPEAT if answer is yes
	1. Call function menu()
	2. Input code, quantity
	3. Call function calcPrice(code,quantity)
	4. Input repeat next customer
2. DISPLAY “thank you” message
3. END
 |
| **Output:**  | - |

**Function main()**

2.

3.

**yes**

b.

a.

c.

**no**

4.

d.

**3.0 SOURCE CODE**

#include <iostream>

using namespace std;

void menu(); //function prototype

void calcPrice(int,int); //function prototype

void menu() //function definition

{

}

void calcPrice(int code,int quantity) //function definition

{

}

int main()

{

}

**4.0 SAMPLE OUTPUTS**

Sample Output 1



Sample Output 2



**CD/DVD**

**in an Envelope**