

## AMCS1013 Problem Solving and Programming - Assignment Assessment Criteria 202505

Team Name:

Prog/Grp:

Team Mark:

0/80 (Full mark)

	Student names (alphabetical order):	Individual Mark* / 20	Contribution (%)	TOTAL MARKS
1				#DIV/0!
2				#DIV/0!
3				#DIV/0!
4				#DIV/0!
Sum of all members' contribution should be 100:			0	

*\*Ability to construct a program to solve given problems by using well-structured programming design (verified via*

	Aspect	Criteria	Weight	Mark Awarded (0..5)	Weighted Mark
1	<b>Constants &amp; Variables</b>	Proper identification and use of constants and variables	2		0
2	<b>Scope of variables</b>	Use local variables, parameters & minimal use of global variables for functions returning multiple results	2		0
3	<b>Menu Processing</b>	Use of proper loop, process of menu options, handle invalid options, exit option, etc.	3		0
4	<b>Input</b>	Correct and clear instructions for input and capture of input data.	3		0
5	<b>Input validation</b>	Provide at least 3 correct validations	3		0
6	<b>Output</b>	Correct and clear output display for invoice, receipt and reports with correct use of various manipulators	3		0
7	<b>User friendliness</b>	Overall screen design is clear, tidy and organised. Easy to navigate and understand the program flow.	2		0
8	<b>Use of arrays</b>	Proper declaration, correct use of index, accessed & updated using for loop for seats reservation.	4		0

9	<b>Selection control structure</b>	Correct & appropriate use of if else, switch, nested if & nested switch. Proper condition specified.	5		0
10	<b>Repetitive structure</b>	Correct & appropriate use of looping structures in each situation, correct syntax and positioning of initialisation, condition & updating. Correct & appropriate use of nested looping.	5		0
11	<b>Functions</b>	Correct & clear break down of functions that perform specific tasks. Correct declaration, definition & calls. Correct use of parameters & return statement.	5		0
12	<b>Basic requirements met</b>	The program works as intended and all the requirements are met (refer to question)	6		0
13	<b>Extra features/ functionalities</b>	Provide 2 extra meaningful working extra features	8		0
14	<b>Readability</b>	Meaningful identifiers names. Clear indentation and program constructs. Clear & useful comments used.	4		0
15	<b>Originality &amp; creativity</b>	Uniqueness & creativity introduced as compared to the required basic layout and functionalities.	4		0
16	<b>Report: Introduction</b>	Clear and useful description (one page)	2		0
17	<b>Report: Constants &amp; variables</b>	Correct list with clear description for data type, purpose, constant values	2		0
18	<b>Report: Test cases</b>	Clear description of test scenarios, at least 3 sets, complete and clear screenshots matching the planned scenarios	3		0
19	<b>Report: Two extra features</b>	Well explained with diagrams or screenshots	4		0
20	<b>Report: structure and layout</b>	Clear table of contents, header & footer clear sections with subtitles, page numbers, consistent font type and size used, tidy, well organised, etc.	2		0
21	<b>Program design: Structure Chart</b>	Correct modules & flow, at least 3 levels, clear and tidy	4		0
22	<b>Program design: Flowchart/Pseudocode</b>	Correct symbols used, clear labels, Indentation and tidy	4		0
23	<b>Comments:</b>				