Week 7 Assignment: Airplane Seating

Directions: You are to write a C++ program that meets the instruction requirements below.
Deliverables:
 Your C++ source code file. (The file with the .CPP extension).No other files will be accepted.

- A screenshot of your program running.

Program Instructions:

Write a program that can be used to assign seats for a commercial airplane. The airplane has 13 rows, with six seats in each row. Rows 1 and 2 are first class, rows 3 through 7 are business class, and rows 8 through 13 are economy class. Your program must prompt the user to enter the following information:

a. Ticket type (first class, business class, or economy class)
b. Desired seat Output the seating plan in the following form:

	A	B	C	D	E	F
Row 1	*	*	X	*	X	X
Row 2	*	X	*	X	*	X
Row 3	*	*	X	X	*	X
Row 4	X	*	X	*	X	X
Row 5	*	X	*	X	*	*
Row 6	*	X	*	*	*	X
Row 7	X	*	*	*	X	X
Row 8	*	X	*	X	X	*
Row 9	X	*	X	X	*	X
Row 10	*	X	*	X	X	X
Row 11	*	*	X	*	X	*
Row 12	*	*	X	X	*	X
Row 13	*	*	*	*	X	*

Here, * indicates that the seat is available; X indicates that the seat is occupied. Make this a menu-driven program; show the user's choices and allow the user to make the appropriate choices.

(See grading rubric on next page)

Grading Criteria Assignments	Maximum Points
Program accomplishes requested operations per instructions	40
The code works and meets all assignment specifications	30
The code is organized and easy to follow and output is clear and clean	20
Uses software tools correctly and efficiently	10
Total	**100**