

## Ticket Office Assignment – Optional

Continue the Console app by adding functionality for checking availability of place and keeping a record of places sold.

Store place number data in a string. Separate numbers by comma. The string should be kept in the app main program part, whether that is in the Program.cs file or in a separate method (depending on how the first assignment was solved.)

The app should get two additional methods from the previous assignment:

- CheckPlaceAvailability
- AddPlace

The **CheckPlaceAvailability** method search for the place number in the string

The method receives the current list and the wanted place number as parameters. Because the list consists of numbers separated by commas, the method search for this pattern:

placeNumber: 234   =>   search: “,234,”

If the number is not found, return true (as in “available is true”.) Else return false.

Method parameters:

string *placeList*

int *placeNumber*

Return value: bool

The **AddPlace** method adds the number to the end of the list

The method receives the current list and the wanted place number as parameters. Add the number and a comma to the end of the string. (Make sure that the method generates a string of this format:

Example : “,34,1003,389,4100,4890,7233,2855,”

The method should return the expanded string.

Method parameters:

string *placeList*

int *placeNumber*

Return value: string *placeList*

**Important: When the AddPlace method has been called, replace the previous string with the result returned from the method.**

<https://learn.microsoft.com/en-us/dotnet/api/system.string?view=net-7.0>

**The assignment is optional, but do notify of it being done**