Name: Group:	Festival
--------------	----------

Mandatory: the project should compile and run without any errors.

You are asked to develop a Windows Forms application for managing the participants at a music festival.

(3p)

- Define the Participant class with the properties Id (int constant), Name (string), Email (string),
 BirthDate (DateTime) and Concerts (List<string>). The class should contain a parametrized constructor.
- The instances of the class will be stored in a **List<T>** collection and will be displayed in the main form using a **DataGridView** control.
- An array of strings containing the names of 5 concerts, at your choice, named concertArray, will be
 declared and initialized in the main form.

(2p)

- The instances of the **Participant** class will be added using a secondary form, that will implement any necessary validations. The user will be able to choose the concerts that the participant is planning to attend using a **CheckedListBox** control, populated with the values in the **concertArray**.
- The user will be given the possibility to either modify (double click) or delete the records.

(1p)

Implement the explicit int cast operator in order to return the number of concerts that each participant intends to attend. Add a button to the main form that will display in a read-only TextBox the total number of expected participations to all the concerts.

(2p)

The list of participants will be automatically loaded when the application starts with the values retrieved from a database (Access, SQLServer sau SQLite). All the operations (add, update, delete) will be persisted to the database.

(1p)

■ Implement the IComparable<T> / IComparable interface in order to sort the participants in ascending order based on their Name. The list of participants should be kept sorted all the time.

(1p)

Add a **MenuStrip** control that will allow the user to exit the application and to save a text based report of the participants in a file located using the **SaveFileDialog** dialog.