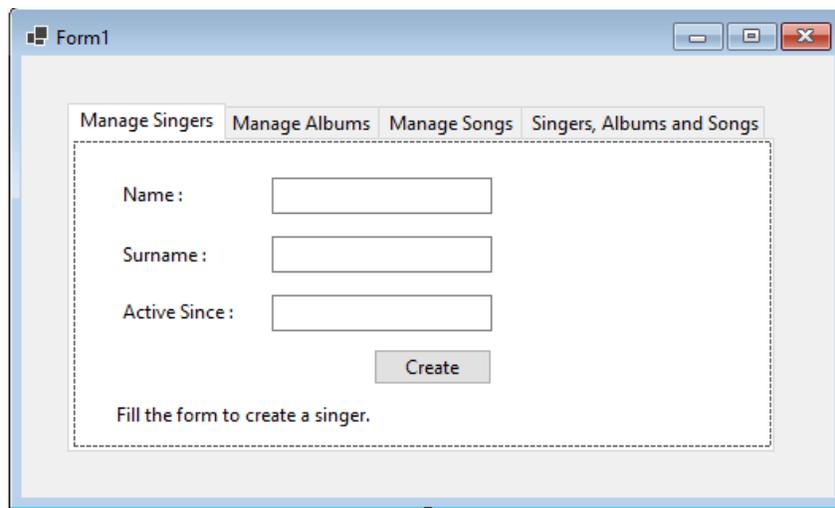


Module 12 Lab Assignment.

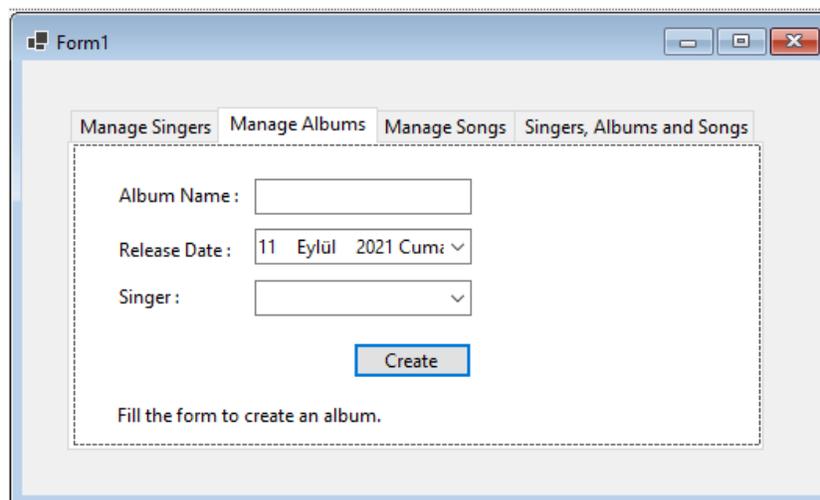
In this lab assignment, you will build on the application that you developed during the online lecture. Previously, the application allowed users to manage only albums and songs. We will enhance the application by allowing users to also create **singers**. There will be several changes in the interface and the functionality as described below. You are required to add/update classes, and update the existing database accordingly based on the requirements elaborated as follows.

First, you need to add a new tab page, called Manage Singers. This new page should be the first tab page as shown in the figure below. With this new page, the goal is to allow users create a new singer by entering the name, surname, and the year since the singer is active. When the singer is created, the success message should be displayed in the label (with green font color).



The screenshot shows a Windows application window titled 'Form1'. It features a tabbed interface with four tabs: 'Manage Singers', 'Manage Albums', 'Manage Songs', and 'Singers, Albums and Songs'. The 'Manage Singers' tab is currently selected. Inside this tab, there is a dashed-line border containing a form with three text input fields labeled 'Name:', 'Surname:', and 'Active Since:'. Below these fields is a 'Create' button. At the bottom of the dashed border, there is a label that reads 'Fill the form to create a singer.'

Second enhancement involves allowing users to choose the singer when creating a new album. As shown in the following figure, there should be a ComboBox to list the existing singers in the database.



The screenshot shows the same 'Form1' application window, but now the 'Manage Albums' tab is selected. The dashed-line border contains a form with three input fields: 'Album Name:' (a text box), 'Release Date:' (a date picker showing '11 Eylül 2021 Cum:'), and 'Singer:' (a dropdown menu). Below these fields is a 'Create' button. At the bottom of the dashed border, there is a label that reads 'Fill the form to create an album.'

The last enhancement is about the tab page where the songs and albums are displayed. Now, this page should also show the list of the singers in the left-most listbox. The design of the new interface is shown below. Basically, when a singer is selected and Show Album button is clicked, the albums belonging to that singer should be listed. Additionally, the users should be able to delete the selected song by clicking on Delete button.

