

# Weekly Assignment 7 – Instructions

## [Chapter 7 - Case Project 2 – Karaoke UI](#)

### [Code Walkthrough](#)

#### Overall Requirements Document

**Case Programming Assignments**

**2** **KARAOKE MUSIC NIGHT**

Design a Windows Classic Desktop application and write the code that will execute according to the program requirements in Figure 7-59 and the Use Case Definition in Figure 7-60 on page 447. Before writing the code, create an event planning document for each event in the program. The completed Windows Form object and other objects in the user interface are shown in Figure 7-61 on page 447.

REQUIREMENTS DOCUMENT	
<b>Date:</b>	August 11, 2019
<b>Date Submitted:</b>	
<b>Application Title:</b>	Karaoke Music Night
<b>Purpose:</b>	This Windows Classic Desktop application computes either the customized evening cost of an open microphone costing \$2.99 per song or renting a private karaoke room for \$8.99 an hour.
<b>Program Procedures:</b>	The user can select singing karaoke per song or renting a private karaoke room for a group by the hour.
<b>Algorithms, Processing, and Conditions:</b>	<ol style="list-style-type: none"><li>1. The user first selects whether to compute the cost of each karaoke song or a rental karaoke room by the hour.</li><li>2. After the user selects an option, display the necessary objects based on the selection. If the user selects number of songs (\$2.99 per song), request the number of karaoke songs. If the user chooses the private karaoke room (\$8.99 per hour), request the number of rental hours.</li><li>3. Based on the cost of \$2.99 per song or \$8.99 per hour for the private karaoke room, calculate the cost of the number of songs or hourly rental. Use separate procedures to make the two calculations.</li><li>4. Display the total cost result of the calculation on the form.</li></ol>
<b>Notes and Restrictions:</b>	<ol style="list-style-type: none"><li>1. A Clear Form button should clear the form.</li><li>2. The data the user enters should be validated in Try-Catch blocks in separate procedures as needed.</li></ol>
<b>Comments:</b>	<ol style="list-style-type: none"><li>1. The application should begin with a splash screen that appears for approximately three seconds.</li><li>2. Obtain images for this program from CengageBrain.com. The name of the picture for the Windows form and the picture on the splash screen is karaoke.</li></ol>

FIGURE 7-59

## Karaoke Music Night

### USE CASE DEFINITION

#### USE CASE DEFINITION

1. The user views the opening splash screen for three seconds.
2. The user selects whether to purchase songs by the hour or rent a private karaoke room.
3. The user enters the number of songs or hours based on their initial selection.
4. The user clicks the Total Cost button to display the final cost.

FIGURE 7-60

## Screenshots of GUI

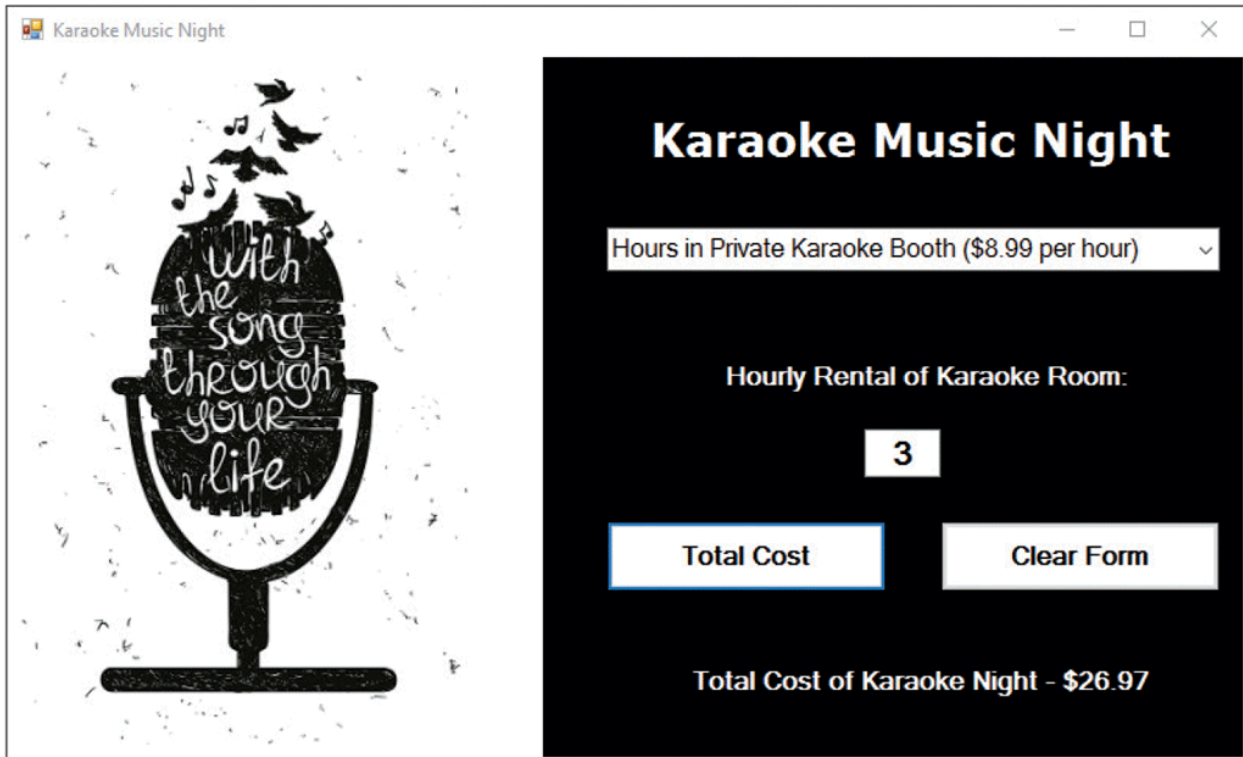
### Splash Screen



FIGURE 7-61a

iStockphoto.com/Annykos

## Running Application



Karaoke Music Night

# Karaoke Music Night

Hours in Private Karaoke Booth (\$8.99 per hour) ▾

Hourly Rental of Karaoke Room:

3

Total Cost Clear Form

Total Cost of Karaoke Night - \$26.97

**FIGURE 7-61b**

iStockphoto.com/Annykos

Watch the guided program development videos first, then watch the video walkthrough of this project. The skills and techniques demonstrated in the guided project are exactly the ones you will use here.