***Task C***

Continuing from Task B, Task C adds two more functionalities to the Windows Forms Application, allowing users to display enrolled students and search for students by their names.

The displayEnrolledStudentsBtn\_Click event handler is responsible for displaying the IDs and names of all students whose enrollment status is true (enrolled). When the user clicks the "Display Enrolled Students" button, the method iterates through the studentDictionary values and adds each enrolled student's ID and name as a formatted string in the studentList ListBox control.

The searchByNameBtn\_Click event handler allows the user to search for students by their names. When the user enters a name in the studentIdEditTextBox and clicks the "Search by Name" button, the method iterates through the studentDictionary values and checks if the name matches any student names. If there are students with matching names, the method displays their ID and enrollment status as formatted strings in the studentList ListBox control. If no matching students are found, an error message is displayed.

In Task C, the application has been enhanced with the additional functionalities of filtering enrolled students and searching for students by their names, while still ensuring proper input validation and user experience as demonstrated in Task B. These added features make the application more versatile and useful in managing the student dictionary.