1. Define the structure `HourlyData`:

- It has two fields: `Hour` and `Interactions`.

2. Initialize the array `dataArray` to store hourly data.

3. Initialize the main form `MainForm`.

- Initial setup of the application.

4. Event `MainForm\_Load`:

- Executes when the main form is loaded.

- Sets the application name.

- Generates random data.

5. Event handler `buttonSearch\_Click`:

- Executes when the search button is clicked.

- Checks if the search input is valid.

- Performs binary search on the data array.

6. Event handler `buttonSort\_Click`:

- Executes when the sort button is clicked.

- Updates the list box.

- Sorts the data array using Bubble Sort.

- Updates the list box with sorted data.

7. Event handler `buttonEdit\_Click`:

- Executes when the edit button is clicked.

- Checks if an item is selected in the list and a valid value is entered.

- Updates the selected item's interaction value.

8. Event handler `buttonReset\_Click`:

- Executes when the reset button is clicked.

- Generates new random data.

- Updates the list box with new data.

- Clears the input text box.

9. Function `BinarySearch`:

- Performs binary search on the data array.

10. Function `GenerateRandomData`:

- Generates random data for each hour.

11. Function `UpdateListBox`:

- Clears the list box.

- Updates the list box with data from the array.

12. Function `BubbleSort`:

- Sorts the data array using Bubble Sort algorithm.