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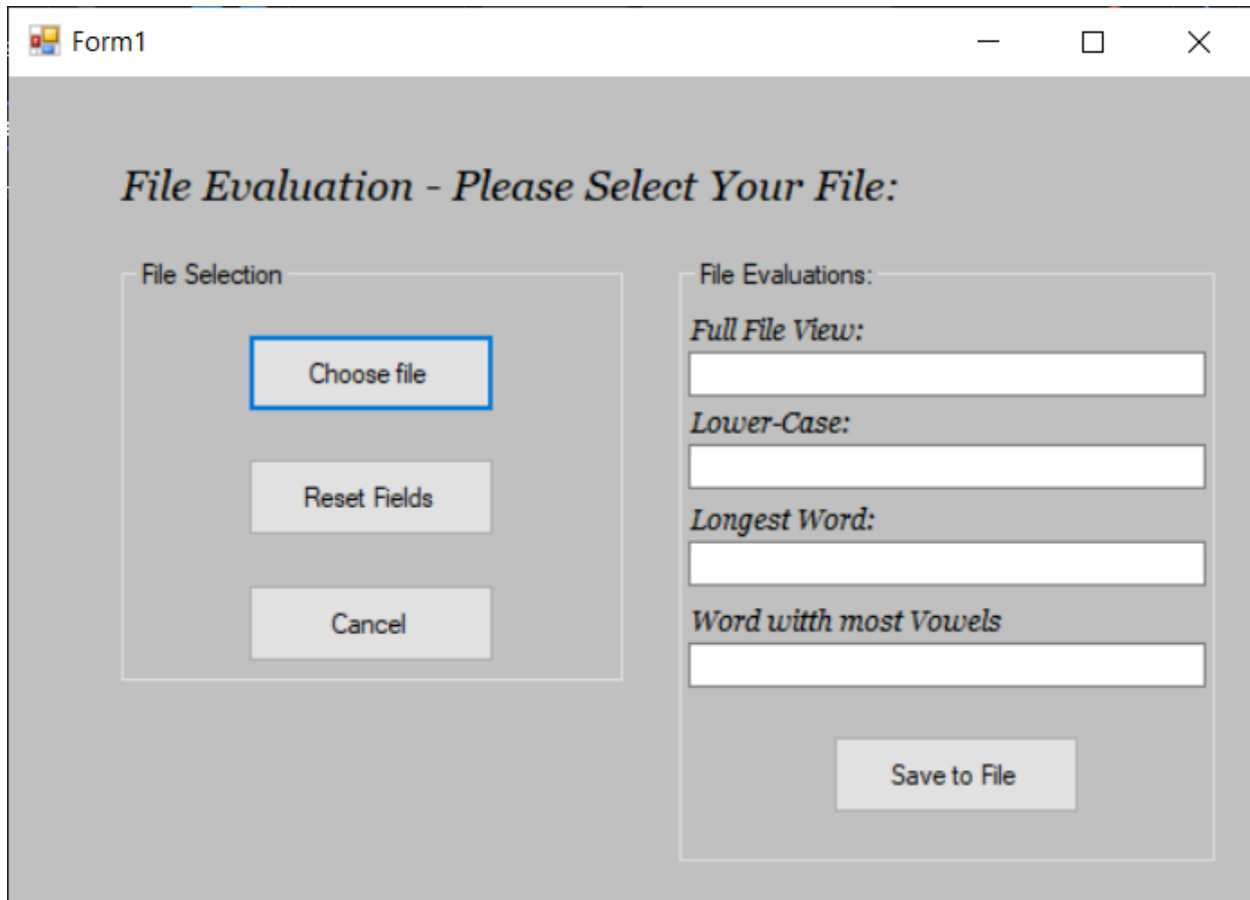
CST-150 Programing in C# 1

Week 3 / Activity 5

07/23/2022

Screenshots:

Start of program:



The screenshot shows a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area has a light gray background and contains the following elements:

- Title:** *File Evaluation - Please Select Your File:*
- File Selection Panel:** A rounded rectangle containing three buttons: "Choose file" (highlighted with a blue border), "Reset Fields", and "Cancel".
- File Evaluations Panel:** A rounded rectangle containing four text input fields and one button:
 - Full File View:* [Text Input Field]
 - Lower-Case:* [Text Input Field]
 - Longest Word:* [Text Input Field]
 - Word with most Vowels*: [Text Input Field]
 - Save to File** button

User selected ACCMediaDays.Clemson.txt File evaluations then followed:

The screenshot shows a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area has a light gray background and is titled "File Evaluation - Please Select Your File:" in a bold, italicized font. Below the title, there are two main sections: "File Selection" and "File Evaluations:". The "File Selection" section contains three buttons: "Choose file" (highlighted with a blue border), "Reset Fields", and "Cancel". The "File Evaluations:" section contains four text boxes with the following labels and content: "Full File View:" (Atlantic Coast Conference Football Kickoff Wed), "Lower-Case:" (atlantic coast conference football kickoff wedne), "Longest Word:" (Conference), and "Word with most Vowels" (Charlotte). A "Save to File" button is located at the bottom of the "File Evaluations:" section.

Form1

File Evaluation - Please Select Your File:

File Selection

Choose file

Reset Fields

Cancel

File Evaluations:

Full File View:

Atlantic Coast Conference Football Kickoff Wed

Lower-Case:

atlantic coast conference football kickoff wedne

Longest Word:

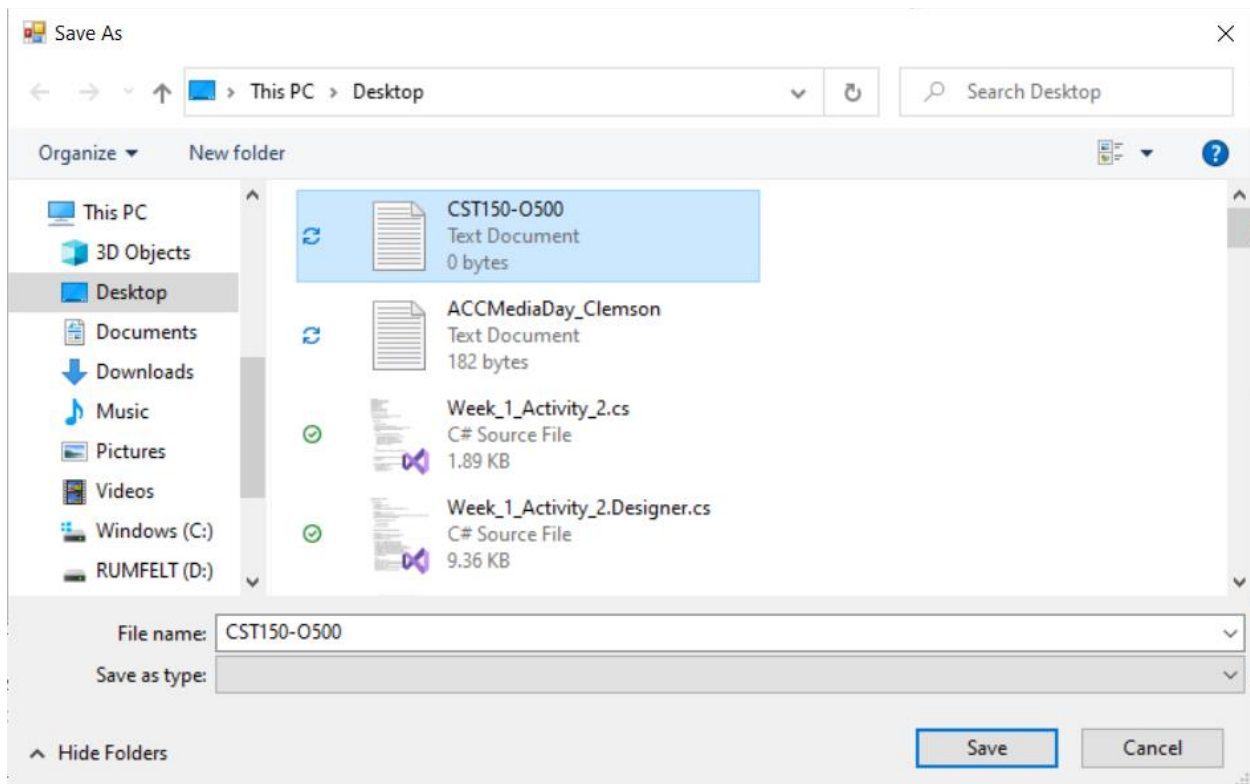
Conference

Word with most Vowels

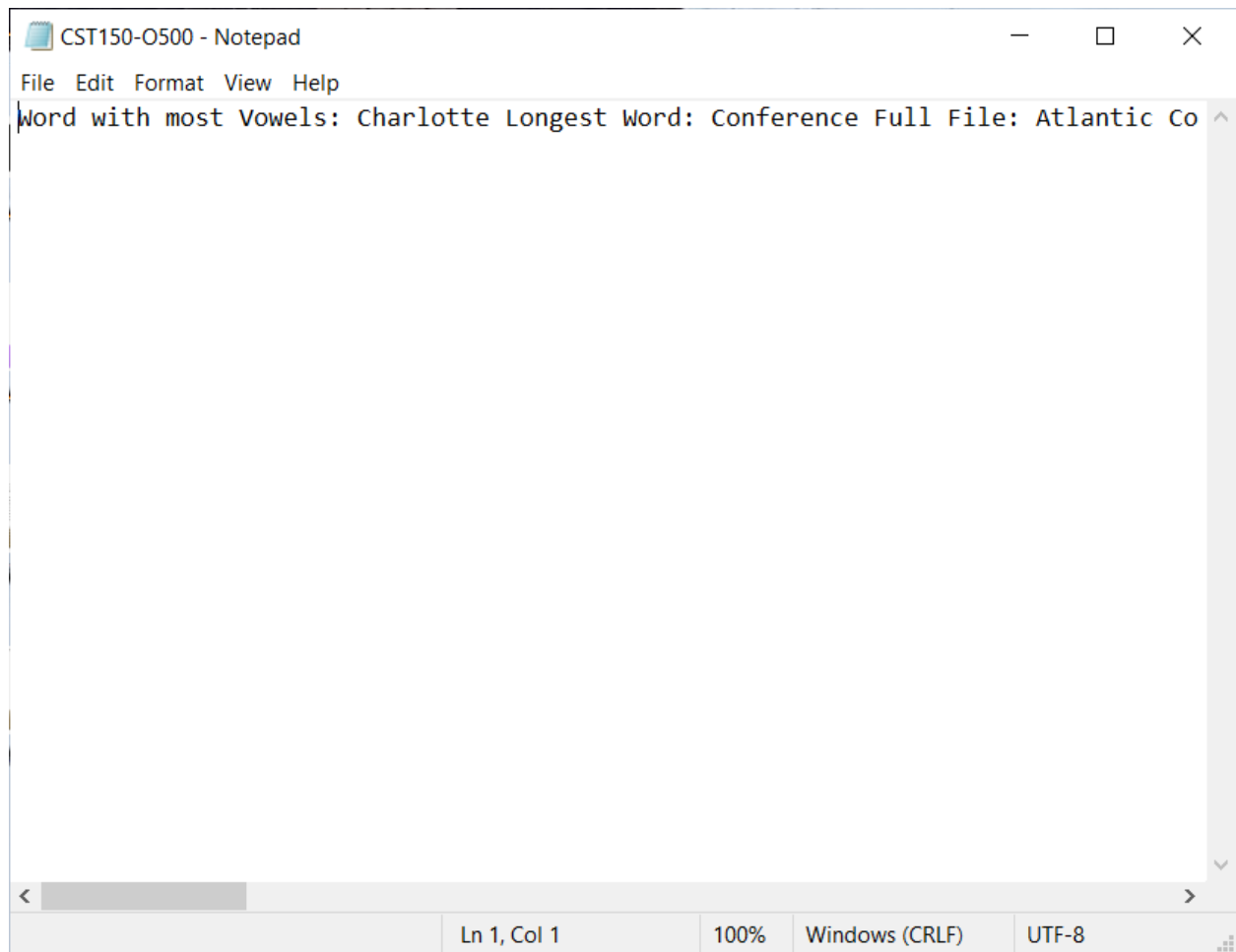
Charlotte

Save to File

Save textbox content to CST150-O500



Verify content has been saved:



Live running code with remarks:

The screenshot displays the Visual Studio IDE with a C# application running. The main window shows the source code for `Form1.cs` in Design view. The code is a Windows Form application that reads a text file, processes its content, and displays the results. The code is as follows:

```
28 StreamReader fileSelection;  
29 //Create a datatype with variable name to pass the file too.  
30 String document;  
31 // If user clicks select on file dialog file opens.  
32 if (userOpenFile.ShowDialog() == DialogResult.OK)  
33 {  
34     // Open the selected file.  
35     fileSelection = File.OpenText(userOpenFile.FileName);  
36     // Pass text document to variable document.  
37     document = fileSelection.ReadLine();  
38     // Send text document variable to textbox.  
39     fullFileView.Text = document;  
40     // Create a string method to lower all characters to lower case.  
41     lowerCase.Text = document.ToLower();  
42     // Create an array to sent text using the split method.  
43     string[] accMedia = document.Split(new[] { " " }, StringSplitOptions.None);  
44     // Create a datatype string variable *not referencing!  
45     string media = "";  
46     // Create a counter.  
47     int control = 0;  
48     // Build a foreach loop to search through the array.  
49     foreach (String word in accMedia)  
50     {  
51         // Create a condintanal statement to find word that has the longest character.  
52         if (word.Length > control)  
53         {  
54             // Pass longest word to new string variable.  
55             media = word;  
56             // Count word length.  
57             control = word.Length;  
58         }  
59     }  
60 }  
61
```

The bottom of the IDE shows the Error List, which contains one warning (CS1998) about the use of the `await` operator. The right sidebar displays diagnostic tools, including a summary of events, memory usage, and CPU usage. The status bar at the bottom indicates the current file is `Form1.cs` at line 12, column 90, with a search depth of 1.