Activity 5

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CST-150

Prof. Mark Smithers

May 8, 2022

Link to files:

https://github.com/Naralla/CST-150-Submissions/tree/main/Activity%205%20Submission

This program uses the C# language. This program's goal is to read the selected input file. Then it will convert all words to lowercase, tell which word is the first and last alphabetically, tell which is the longest word, and tell which word has the most vowels. This program could be improved through the use of arrays and lists.

File Processor

Please select a file for processing

Select file for processing

Exit

The results of processing are as follows,

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.
using System.
using System.
using System.
using System.

//Dalton Da
//CST-150
//May 8, 2
//This is

namespace A
{
    public

        public
        {
            InitializeComponent();
        }

        private void processButton_Click(object sender, EventArgs e)
        {
            //open exception handling
            try
            {
                //declare variables
                StreamReader inputFile;
                StreamWriter outputFile;

                string inputWord;
                string lowerWord;
                string fullSentence = "";
```

File for processing

School Files › CST-150(C#) › Week 3 › Activity 5 › Activity 5

Organize   New folder

Pictures
Public
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
New Volume (D:
Dalton External
Internal SSD (G:)

Name	Date modified	Type	Size
.vs	5/8/2022 12:18 PM	File folder	
Activity 5	5/8/2022 4:52 PM	File folder	
Activity 5.sln	5/8/2022 12:18 PM	Visual Studio Solu...	2 KB
File_For_Processing	5/8/2022 4:42 PM	Text Document	1 KB

File name: openFileDialog1

Open   Cancel

File_For_Processing – Notepad:

```
Write
Windows
Form
Application
That
Uses
File
Dialog
Control
To
Allow
The
User
Select
For
Input
Processing
Contents
File
As
Follows
```

Results – Notepad:

```
The words in lowercase are:
write windows form application that uses file dialog control to allow the user select for input pro
The first word alphabetically is: allow
The last word alphabetically is: write
The longest word is: application
The word with the most vowels is: application
```

File Processor form:

Please select a file for processing

Select file for processing   Exit

The results of processing are as follows,

The words in lowercase are: write windows form application that uses file dialog
control to allow the user select for input processing contents file as follows
The first word alphabetically is: allow
The last word alphabetically is: write
The longest word is: application
The word with the most vowels is: application

File   Edit   View   Git   Project   Build   Debug   Test   Analyze   Tools   Extensions   Window   Help   Search (Ctrl+Q)   Activity 5

Debug   Any CPU   Continue

Form1.cs   Form1.cs [Design]

Activity 5   Activity_5.Form1   processButton_Click(object sender, EventArgs e)

```
using System;
```

File Processor

Please select a file for processing

Select file for processing   Exit

The results of processing are as follows,

No file was selected

OK

```
public partial class Form1 : Form
{
    1 reference
    public Form1()
    {
        InitializeComponent();
    }

    1 reference
    private void processButton_Click(object sender, EventArgs e)
    {
        //open exception handling
        try
        {
            //declare variables
            StreamReader inputFile;
            StreamWriter outputFile;

            string inputWord;
            string lowerWord;
            string fullSentence = "";
```

100%   No issues found   Ln: 178   Ch: 34   SPC   CRLF

Diagnostic Tools

Diagnostics session: 7 seconds   10s

Events

Process Memory (MB)   30   30   0   0

CPU (% of all processors)   100   100   0   0

Summary   Events   Memory Usage   CPU Usage

Events
Show Events (0 of 0)

Memory Usage
Take Snapshot

CPU Usage
Record CPU Profile

Locals
Search (Ctrl+E)   Search Depth:
Name   Value   Type

Locals   Watch 1

Call Stack
Name   Lang

Call Stack   Exception Settings   Immediate Window

Ready   Add to Source Control   Select Repository