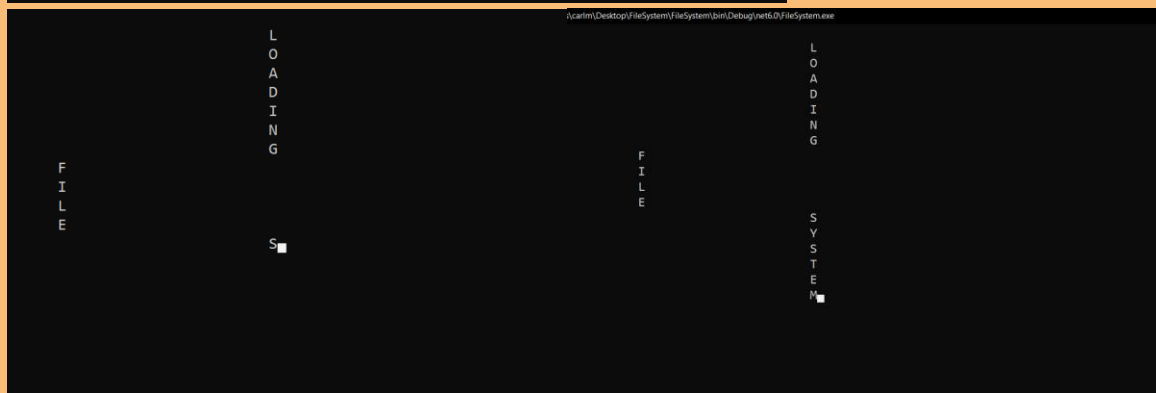
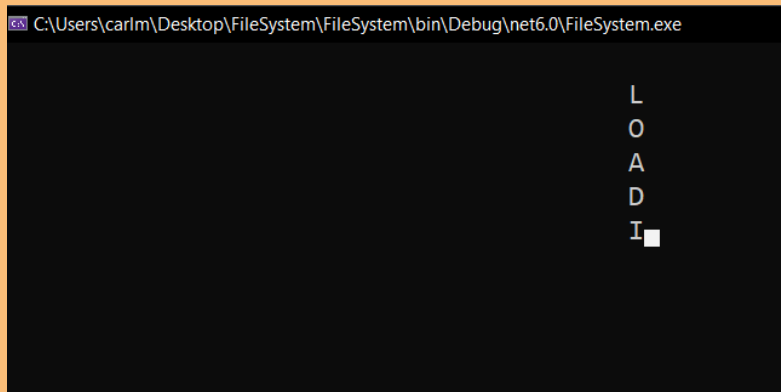


## CODE DOCUMENTATION

```
13 0 references  
14 public class FileAPP  
15 {  
16     0 references  
17     public static void Main(string[] args)  
18     {  
19         Dots();  
20         int n = 1;  
21         do  
22         {  
23             if (n < 1)  
                {
```

\*We Initialize the main method in part of a class as C# is class based language, but you can choose to not use class system otherwise.

\*We used the Dots() method as I have formulated this to perform a simple yet edgy animation



```

19 do
20 {
21
22
23     Console.Clear();
24     Console.WriteLine("\t\t\t\t\t" +
25         "****EXISTING FILES WITHIN THE DIRECTORY****");
26     var txtFiles = new DirectoryInfo("C:\\File System").GetFiles("*.txt");
27     for (int i = 0; i < txtFiles.Length; i++)
28     {
29         var firsttxtFilename = txtFiles[i].Name;
30         Console.WriteLine(firsttxtFilename);
31     }
32
33     Console.WriteLine("[1] Create A New File");
34     Console.WriteLine("[2] Open Existing File");
35     Console.WriteLine("[3] Manage Data");
36     Console.WriteLine("[4] Delete a File");
37     Console.WriteLine("[5] Exit");
38     Console.Write("Your Choice: ");
39     var choice1st = Console.ReadLine();
40
41

```

\*We then initialized a do statement in line 19 for looping a process, code lines 23-40 is all about setting up the main ui: clearing the console so that every loop the MAIN MENU UI continues to be clean, then retrieving the existing files within the directory by using a for loop for that loops till all txt files are printed in the console as a display.

\*We set up a do statement earlier right? So in order for the sequence to complete we need to set a while statement that has a condition of If n is equal to 1(which was our default value) to continually do the process all over again.

```

1006
1007
1008
1009 n--;
1010 if (n < 1)
1011 {
1012     Console.Write("\n" + "Type YES/yes If You Still Want To Use The System: ");
1013     string? v = Console.ReadLine();
1014     string decision = v.ToUpper();
1015
1016     if (decision == "YES")
1017     {
1018         n++;
1019     }
1020     else
1021     {
1022         Console.WriteLine("Thank you for using this Program :>");
1023     }
1024 } while (n == 1);
1025

```

\*in code line 1008 we have decremented n so that the if statement line 1009 will be triggered as the default(n=1) will be decremented unto 0 that satisfies the condition of n assumed a lower number than 1, its supposed default value.

If the user chooses to input yes then the n value would be incremented by 1 satisfying the do while condition, therefore Allowing another loop to the very first process within the program. If the user on the other hand chooses to not input yes

Within lines 44-1024, I choose to switch statement as we need to actually rely on the user's choice which was

```
33 Console.WriteLine("[1] Create A New File");
34 Console.WriteLine("[2] Open Existing File");
```

[illegible]

### Case "1" → Creates a new File

```
case "1":
{
    Dots();
}
```

[illegible]

### Case “2” → Opens a new File.

```
}
case "2":
{
    Dots();
    Console.WriteLine("Name of the file that you want to Open: ");
    string? filename1 = Console.ReadLine();
    var filepath1 = fileLocation(filename1);

    if (!File.Exists(filepath1))
    {
        Console.WriteLine("Do you want to Create This File?" + "\n Type YES/yes or NO/no");
        string createDecision = Console.ReadLine().ToUpper();
        fileMaker(createDecision, filepath1);
        string textChoice3 = ("-----\r\nRec\tStudent ID\t\tLastname");
        File.AppendAllText(filepath1, textChoice3);
        Dots();
    }

    StreamReader fileOpen = new StreamReader(filepath1);
    string f0 = fileOpen.ReadToEnd();
    Console.WriteLine(f0);
    fileOpen.Close();

    break;
}
```

### Case “3” → Manage Data within the File

```
case "3":
{
    Console.WriteLine("What is your desired file name: ");
    string? modifyfile = Console.ReadLine();
    string Location = fileLocation(modifyfile);
    string Location1 = fileLocation(modifyfile);

    if (!File.Exists(Location))
    {
        Dots();
        Console.WriteLine("\n\t\t\t\t\t" + "***The Desired Text File is not existing!!!***");
        break;
    }
    else
    {
        Console.WriteLine("\n");
    }
    StringBuilder newString = new StringBuilder();
    Console.WriteLine("\n" + "[A]dd [E]dit [D]elete [S]ort [F]ilter e[X]it");

    string? manageInput = Console.ReadLine();

    Dots();
    string alltext = File.ReadAllText(Location);
```

IF manageInput == “A”

```

if (manageInput.ToUpper() == "A")
{
    Dots();
    Console.Clear();
    //ID PROCESSING
    Console.Write("ID NUMBER: ");
    string idProcess = Console.ReadLine();

    //Conditions of ID input
    if (!Regex.IsMatch(idProcess, @"^[0-9]+$")) //Assumes a situation that the inputted value is not numeric
    {
        Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputted a non numeric input****");
        break;
    }
    else if (idProcess.Length != 8) //VSU ID format is only 8 length value
    {
        Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputted wrong format of an ID number****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }

    //Creates the format of the final output of ID VALUE
    string idVal = idProcess.Substring(0, 2) + "-" + idProcess.Substring(2, 1) + "-" + idProcess.Substring(3, 5);

    //LAST NAME PROCESSING
    Console.Write("LAST NAME: ");
    string lastVal = Console.ReadLine().ToUpper();

    //Conditions of Last Name Output
    if (!Regex.IsMatch(lastVal, @"^[a-zA-Z]+$")) //assumes a situation that the input value is not able to meet to the
    {
        Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputted a non letter input****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }

    //FIRST NAME PROCESSING
    Console.Write("FIRST NAME: ");
    string firstVal = Console.ReadLine().ToUpper();

    //Conditions of First Name Output
    if (!Regex.IsMatch(firstVal, @"^[a-zA-Z]+$")) //assumes a situation that the input value is not able to meet to the
    {
        Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputted a non letter input****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }
}

```

```
//BIRTHDATE PROCESSING
Console.WriteLine("###BIRTHDATE###");

//year processing
bool priorDecision = false;
Console.Write("Year:");
string yearString = Console.ReadLine();
if (!int32.TryParse(yearString, out int yearInt)) //assumes a situation that there is no equivalent int to the string value
{
    Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
    break;
}
else if (yearInt >= 2023 || yearInt <= 0) //Limits the input to a realistic year choice.
{
    Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed invalid YEAR input****");
    break;
}
else
{
    Console.WriteLine("");
}

string yearVal = (yearInt % 100).ToString("00"); //takes the remainder of the modulo 100 process to make the format /00/ - /99/
bool finalDecision = leapOrNot(yearInt, priorDecision); //creates a condition for a value to hold if it is leap year or not, true or false return

//month processing
Console.Write("Month:");
string monthString = Console.ReadLine();
if (!int32.TryParse(monthString, out int monthInt)) //assumes a situation that there is no equivalent int to the string value
{
    Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
    break;
}
else if (monthInt > 12 || monthInt <= 0) //Limits the input to a realistic month choice.
{
    Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed invalid MONTH input****");
    break;
}
else
{
    Console.WriteLine("");
}

string monthVal = String.Format("{0:00}", monthInt); //formats the month to have preceeding 0 if it lesser than 10

//day processing
int dayLimit = daysOfMenth(monthInt, finalDecision); //creates a condition for the day input to be tested if it is a genuine day within that month
//based if it either meets the leap year day count change of February or the regular count day count
Console.Write("Day:");
string dayString = Console.ReadLine();
if (!int32.TryParse(dayString, out int dayInt))
{
    Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
    break;
}
else if (dayInt > dayLimit || dayInt <= 0)
{
    Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed invalid Day input****");
    break;
}
else
{
    Console.WriteLine("");
}

string dayVal = String.Format("{0:00}", dayInt); //formats the day to have preceeding 0 if it lesser than 10

//birthdate value processing
string birthVal = monthVal + "/" + dayVal + "/" + yearVal;

//GENDER PROCESSING
Console.WriteLine("GENDER: ");
string genderVal = Console.ReadLine().ToUpper(); //sets the supposed to be assumed value by genderVal variable to be uppercase
if (genderVal != "M" && genderVal != "F")
{
    Console.WriteLine("\t\t\t\t\t" + "Input is Invalid, Inputted value is not either of the choices");
    break;
}
else
{
    Console.WriteLine("");
}

//
string numberingFormat = string.Format("{0:D4}", location);

string[] dataOutput = new string[6];
dataOutput[0] = birthVal;
dataOutput[1] = lastVal;
dataOutput[2] = firstVal;
dataOutput[3] = birthVal;
dataOutput[4] = genderVal;
dataOutput[5] = "";

Console.WriteLine($"\\nStudent ID{lastname}{firstname}{birthDate}");

Console.WriteLine(dataOutputString);

Console.WriteLine("Enter Y if you want to save your input");
string? saveOrNot = Console.ReadLine();
string decisionV = saveOrNot.ToUpper();

if (decisionV == "Y")
{
    File.AppendAllText(Location, "\n" + numberingFormat + dataOutputString);
}
else
{
    Console.WriteLine("\n\t\t\t\t\t" + "Data was Not Saved!");
}
```

**IF managelInput == "E"**

## Data to change → ID

## Data to change → LastName

## Data to change → FirstName

```

        case "F":
        {
            Console.Write("New FirstName Value: ");
            string newName = Console.ReadLine().ToUpper();
            //Conditions of First Name Output
            if (!Regex.IsMatch(newName, @"^[a-zA-Z]+$")) //assumes a situation that the input value is not able to meet to the condition that limits its values to be only letters
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non letter input****");
                break;
            }
            else
            {
                Console.WriteLine("");
            }
            Console.WriteLine("-----\r\nRec\Student ID\tLastName\tFirstName\tBirthDate\t\t");

            //formatting first name
            fields[0] = newName;

            //formatting output
            string dataOutputStringFirstName = fields[0] + "\t" + fields[1] + "\t" + fields[2] + "\t" + fields[3] + "\t" + "\t" + "\t" + fields[0] + "\t" + "\t" + fields[0] + "\t";
            Console.WriteLine(dataOutputStringFirstName);

            //change processing
            Console.WriteLine("\n\nDo you want to save this change/s?, [1] if yes or [2] if no");
            string firstNChange = Console.ReadLine();
            if (firstNChange == "2")
            {
                Console.WriteLine("Changes has been Aborted!");
            }
            else if (firstNChange == "1")
            {
                //Actual value changing process
                valueChange(Location, quoteList, lineChoiceInt, dataOutputStringFirstName);
            }
            else
            {
                Console.WriteLine("Invalid Input");
            }
            break;
        }
    }
}

```

**Data to change → BirthDate**

```

        case "B":
        {
            //New BIRTHDATE PROCESSING
            Console.WriteLine("### NEW BIRTHDATE VALUE###");

            //new year processing
            bool priorDecision = false;
            Console.Write("New Year Value:");
            string yearString = Console.ReadLine();
            if (!Int32.TryParse(yearString, out int yearInt)) //assumes a situation that there is no equivalent int to the string value
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
                break;
            }
            else if (yearInt >= 2023 || yearInt <= 0) //Limits the input to a realistic year choice.
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed invalid YEAR input****");
                break;
            }
            else
            {
                Console.WriteLine("");
            }
            string yearVal = (yearInt % 100).ToString("00"); //takes the remainder of the modulo 100 process to make the format /00/ - /99/
            bool finalDecision = leapOrNot(yearInt, priorDecision); //creates a condition for a value to hold if it is leap year or not, true or false

            //new month processing
            Console.Write("New Month Value:");
            string monthString = Console.ReadLine();
            if (!Int32.TryParse(monthString, out int monthInt)) //assumes a situation that there is no equivalent int to the string value
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
                break;
            }
            else if (monthInt > 12 || monthInt <= 0) //Limits the input to a realistic month choice.
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed invalid MONTH input****");
                break;
            }
            else
            {
                Console.WriteLine("");
            }
            string monthVal = String.Format("{0:00}", monthInt); //formats the month to have preceeding 0 if it lesser than 10

            //new day processing
            int dayLimit = daysOfMonth(monthInt, finalDecision); //creates a condition for the day input to be tested if it is a genuine day within that month
            Console.Write("New Day Value:"); //based if it either meets the leap year day count change of February or the regular count
            string dayString = Console.ReadLine();
            if (!Int32.TryParse(dayString, out int dayInt))
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
                break;
            }
            else if (dayInt > dayLimit || dayInt <= 0)
            {
                Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputed invalid Day input****");
                break;
            }
            else
            {
                Console.WriteLine("");
            }
            string dayVal = String.Format("{0:00}", dayInt); //formats the day to have preceeding 0 if it lesser than 10

```

**Data to change → Gender**



```
//New Gender Processing
case "G":
{
    Console.WriteLine("New Gender Value: ");
    String newGenderVal = Console.ReadLine().ToUpper();
    if (newGenderVal != "M" && newGenderVal != "F")
    {
        Console.WriteLine("\t\t\t\t\t" + "Input is Invalid, inputted value is not either of the choices");
        break;
    }
    else
    {
        Console.WriteLine("");
    }
    fields[8] = newGenderVal;

    //formatting output
    string dataOutputStringGender = fields[0] + "\t" + fields[1] + "\t" + fields[2] + "\t" + fields[3] + "\t" + "\t" + "\t" + fields[6] + "\t" + "\t" + fields[8] + "\t";
    Console.WriteLine(dataOutputStringGender);

    //change processing
    Console.WriteLine("\n\nDo you want to save this Change/s?, [1] if yes or [2] if no");
    string genderChange = Console.ReadLine();
    if (genderChange == "2")
    {
        Console.WriteLine("Changes has been Aborted!");
        break;
    }
    else if (genderChange == "1")
    {
        //Actual value changing process
        valueChange(Location, quotelist, lineChoiceInt, dataOutputStringGender);
        break;
    }
    else
    {
        Console.WriteLine("Invalid Input");
        break;
    }
}
}
case "A":
```

Data to change → All

```
case "A":
{
    //ID
    Console.WriteLine("New ID Value: ");
    string newIDAll = Console.ReadLine();

    //Conditions of Id Output
    if (!Regex.IsMatch(newIDAll, @"^[0-9]+$")) //Assumes a situation that the inputted value is not numeric
    {
        Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputted a non numeric input****");
        break;
    }
    else if (newIDAll.Length != 8) //VSU ID format is only 8 length value
    {
        Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputted wrong format of an ID number****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }

    //LAST NAME
    Console.WriteLine("New LastName Value: ");
    string newNameAll = Console.ReadLine().ToUpper();

    //Conditions of Last Name Output
    if (!Regex.IsMatch(newNameAll, @"^[a-zA-Z]+$")) //assumes a situation that the input value is not able to meet to the condition that limits its
    {
        Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputted a non letter input****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }

    //FIRST NAME
    Console.WriteLine("New FirstName Value: ");
    string newFnameAll = Console.ReadLine().ToUpper();

    //Conditions of First Name Output
    if (!Regex.IsMatch(newFnameAll, @"^[a-zA-Z]+$")) //assumes a situation that the input value is not able to meet to the condition that limits its
    {
        Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputted a non letter input****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }

    //New BIRTHDATE PROCESSING
    Console.WriteLine("### NEW BIRTHDATE VALUE###");

    //new year processing
    bool printDecision1 = false;
    Console.WriteLine("New Year Value: ");
    string yearString1 = Console.ReadLine();
    if (!int32.TryParse(yearString1, out int yearInt1)) //assumes a situation that there is no equivalent int to the string value
    {
        Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputted a non numeric input****");
        break;
    }
    else if (yearInt1 >= 2023 || yearInt1 <= 0) //Limits the input to a realistic year choice.
    {
        Console.WriteLine("\t\t\t\t\t" + "****Input is Invalid as you have inputted invalid YEAR input****");
        break;
    }
    else
    {
        Console.WriteLine("");
    }

    //for the condition of the module 100 answer to give the exact 100 / 100 /
    Console.WriteLine("### NEW BIRTHDATE VALUE###");
}
```

```

string yearVal1 = (yearInt1 % 100).ToString("00"); //takes the remainder of the modulo 100 process to make the format /00/ - /99/
bool finalDecision1 = leapOrNot(yearInt1, priorDecision1); //creates a condition for a value to hold if it is leap year or not, true or false res

//new month processing
Console.Write("New Month Value:");
string monthString1 = Console.ReadLine();
if (!int32.TryParse(monthString1, out int monthInt1)) //assumes a situation that there is no equivalent int to the string value
{
    Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
    break;
}
else if (monthInt1 > 12 || monthInt1 <= 0) //Limits the input to a realistic month choice.
{
    Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputed invalid MONTH input****");
    break;
}
else
{
    Console.WriteLine("");
}
string monthVal1 = String.Format("{0:00}", monthInt1); //formats the month to have preceeding 0 if it lesser than 10

//new day processing
int dayLimit1 = daysOffMonth(monthInt1, finalDecision1); //creates a condition for the day input to be tested if it is a genuine day within that m
//based if it either meets the leap year day count change of February or the regular cou
Console.Write("New Day Value:");
string dayString1 = Console.ReadLine();
if (!int32.TryParse(dayString1, out int dayInt1))
{
    Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputed a non numeric input****");
    break;
}
else if (dayInt1 > dayLimit1 || dayInt1 <= 0)
{
    Console.WriteLine("\t\t\t\t" + "****Input is Invalid as you have inputed invalid Day input****");
    break;
}
else
{
    Console.WriteLine("");
}
string dayVal1 = String.Format("{0:00}", dayInt1); //formats the day to have preceeding 0 if it lesser than 10

//birthdate value processing
string newbDate1 = monthVal1 + "/" + dayVal1 + "/" + yearVal1;

//GENDER
Console.Write("New Gender Value: ");
String newGenderVal1 = Console.ReadLine().ToUpper();
if (newGenderVal1 != "H" && newGenderVal1 != "F")
{
    Console.WriteLine("\t\t\t\t" + "Input is Invalid, inputed value is not either of the choices");
    break;
}
else
{
    Console.WriteLine("");
}
}

Console.WriteLine("\n\nRec\tStudent ID\tLastnu

//formatting AllInputs and their own individual formats
string idValAll = newIDAll.Substring(0, 2) + "-" + newIDAll.Substring(2, 1) + "-" + newIDAll.Substring(3, 5);
fields[1] = idValAll;
fields[2] = newNameAll;
fields[3] = newNameAll;
fields[4] = newbDate1;
fields[5] = newbDate1;
//formatting names
string dataOutputStringAll = fields[0] + "\t" + fields[1] + "\t" + fields[2] + "\t" + fields[3] + "\t" + "\t" + "\t" + fields[4] + "\t" + "\t" +
string dataOutputHolderAll = dataOutputStringAll;
Console.WriteLine(dataOutputStringAll);

//change processing
Console.WriteLine("\n\nDo you want to save this Change/s?, [1] if yes or [2] if no");
string idChangeAll = Console.ReadLine();
if (idChangeAll == "2")
{
    Console.WriteLine("Changes has been Aborted!");
}
else if (idChangeAll == "1")
{
    //Actual value changing process
    valueChange(Location, quoteList, lineChoiceInt, dataOutputStringAll);
}
else
{
    Console.WriteLine("Invalid Input");
}
}

break;
default:
{
    break;
}
}
}
} while (true);
}

```

IF manageInput == "D"

```

    }
    if (manageInput.ToUpper() == "D")
    {
        var stringDel = File.ReadAllText(Location);
        Console.WriteLine(stringDel);
        string[] stringstoDel = Regex.Split(stringDel, Environment.NewLine);

        int decisionCounter = 1;

        for (int del = 0; del <= stringstoDel.Length; del++)
        {
            Console.WriteLine("What RECORD NUMBER do you want to delete?");
            string deleteDec = Console.ReadLine();
            Int32.TryParse(deleteDec, out int deleteDecInt);
            if (del + 2 < stringstoDel.Length+2)
            {
                File_DeleteLine(deleteDecInt + 3, Location);
            }
            else
            {
                Console.WriteLine("RECORD DOES NOT EXIST");
                break;
            }
            Console.WriteLine("Do you want to delete further?[Y]YES,[N]NO");
            String answer = Console.ReadLine().ToUpper();
            if (answer == "Y")
            {
                decisionCounter++;
            }
            else
            {
                break;
            }
        }
    }
}

```

IF manageInput == "G"

IF manageInput == "S"

```

if (manageInput.ToUpper() == "S")
{
    bool parserR;
    do
    {
        var stringSort = File.ReadAllText(Location);
        Console.WriteLine(stringSort);

        List<string> listToDel = File.ReadAllLines(Location).ToList();

        for (int i = 1; i < listToDel.Count; i++)
        {
            if (i >= 3)
            {
                string[] ffields = listToDel[i].Split('\t');

            }
        }
        Console.WriteLine("What value/values you want to be sorted?");
        Console.WriteLine("[R]RECORD NUMBER, [I]ID-NUMBER, [L]LASTNAME, [F]FIRSTNAME, [B]BIRTHDATE, [G]GENDER");
        string sortInput = Console.ReadLine().ToUpper();
        //rec
        if (sortInput == "R")
        {
            SortingRec(Location);
        }
        //id
        else if (sortInput == "I")
        {
            SortingID(Location);
        }
        //lastname
        else if (sortInput == "L")
        {
            SortingLName(Location);
        }
        //fname
        else if (sortInput == "F")
        {
            SortingfName(Location);
        }
        //bdate
        else if (sortInput == "B")
        {
            SortingbDate(Location);
        }
        //gender
        else if (sortInput == "G")
        {
            SortingGender(Location);
        }
    }
}

```

```

        Console.WriteLine("Do you wish to do more Sorting Activity?, Input [Y] if yes; [N] if no");
        string SortRep1 = Console.ReadLine();
        if (SortRep1.ToUpper() == "Y")
        {
            parserR = true;
            Console.Clear();
        }
        else if (SortRep1.ToUpper() == "N")
        {
            parserR = false;
        }
        else
        {
            Console.WriteLine("Invalid Input");
            break;
        }
    } while (parserR == true);
}

```

IF manageinput == "F"

```

}
if (manageInput.ToUpper() == "F")
{
    Console.Clear();
    bool parserF = true;

    do
    {
        Dots();
        Console.WriteLine("\nWhat do you want to Filter: [I]ID ONLY, [L]LAST NAME ONLY, [F]FIRST NAME ONLY, [B] BIRTHDATE ONLY, [G] GENDER");
        string filterDec = Console.ReadLine().ToUpper();

        if (filterDec == "I")
        {
            Filter(Location, 0, 1, "ID");
        }

        else if (filterDec == "L")
        {
            Filter(Location, 0, 2, "LastName");
        }

        else if (filterDec == "F")
        {
            Filter(Location, 0, 3, "FirstName");
        }
        else if (filterDec == "B")
        {
            Filter(Location, 0, 6, "BirthDate");
        }
        else if (filterDec == "G")
        {
            Filter(Location, 0, 8, "Gender");
        }

        Console.WriteLine("Do you wish to do more Filtering Activity?, Input [Y] if yes; [N] if no");
        string filRepl = Console.ReadLine();
        if (filRepl.ToUpper() == "Y")
        {
            parserF = true;
        }
        else if (filRepl.ToUpper() == "N")
        {
            parserF = false;
        }
        else
        {
            break;
        }
    } while (parserF == true);
}
break;

```

IF manageinput == "X"

```

if(manageInput.ToUpper() == "X")
{
    break;
}

```

Case "4" → Delete a File

```

case "4":
{
    Console.WriteLine("\n" + "What is the name of that you want to delete: ");
    string? fileDeleteChoice = Console.ReadLine();
    string fileDelete = fileLocation(fileDeleteChoice);

    if (File.Exists(fileDelete))
    {
        System.IO.File.Delete(fileDelete);
    }
    else
    {
        Console.WriteLine("\n" + "The File Does not Exist, therefore nothing is deleted!!!");
    }
    break;
}

```

Case "5" → Exit

```
case "5":  
{  
    Dots();  
  
    Console.WriteLine("\nThank you For Using Our System :D \n\n\n");  
    System.Environment.Exit(1);  
    break;  
}
```