

# **Bahria University,**

## **Karachi Campus**



**COURSE: Computer Programming**  
**TERM: FALL 2021, CLASS: BSE- 1 A**

### **VOTING CASTING SYSTEM**

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**Signed**

**Remarks:**

**Score:**

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# **INTRODUCTION AND PROBLEMS**

Entering the digital age, it is crucial to match the pace of the world as it progresses further. In the field of politics, we've seen multiple times individuals using unfair means to alter the initial results. To overcome such drawbacks, we worked on a voting casting system that provides you with a transparent and effective mechanism without compromising security and safety

Our system is easy to operate with and people even with very little or no computing experience can easily interact with. Our system is made on simple console window.

## **TECHNOLOGY**

**IDE:** Visual Studio

**Programming Language:** C#

# **FUNCTIONALITIES**

## **User:**

Our system basically divided into two modules. The user module and the administration module. The user module allows the user to cast votes to their preferred candidate in their respective districts. The users would first have to verify themselves by entering their CNIC. The CNIC entered is then compared to the CNIC(S) stored in our database. Once the verification is successful, the user is allowed to enter their district code. By entering the district code, they access the candidate window. Here they can freely cast a vote to whomever they want and then exist the system.

## **Admin:**

The administration module allows the admin to check on the progress and the results of the voting taking place. The admin can display 3 different sheets that show this progress. The admin would first have to verify themselves using a unique admin ID. After verification, the admin would have the accessibility to the votes casted, progress of the candidates in each district and as well as district and candidate list with vote count. We use filing to compare IDs. We've also added a date-time feature which will compare the date of elections to the current date and if the date has already passed, the user will not be allow to cast any vote.

# MODULE DISTRIBUTION:

Administration module is done by **Kashan** and **Haseebullah**. The user module is done by **Basil** and **Kashan**.

**Compilation of all code done by Kashan Riaz**

## Code

```
using System;
using System.IO;
using System.Collections;
using System.Collections.Generic;
using System.Text;
using System.Linq;

namespace ConsoleApp4
{
    class Program
    {
        class FileWrite
        {

            static void Main(string[] args)
            {

                Console.WriteLine("{0,75}", "VOTING CASTING SYSTEM");
                seperator();
                Console.WriteLine("{0,75}", "Made by: Kashan Riaz,Haseebullah and Basil Irfan");
                seperator();
                menu1();

            }

            static void menu1()
            {

                char rep = ',';
                Console.WriteLine("Do you want to use the system?[Y/N]");
                rep = Convert.ToChar(Console.ReadLine());
                if (rep == 'y' || rep == 'Y')
                {
                    seperator();
                }
            }
        }
    }
}
```

```

Console.WriteLine("Which part of the system would you like to access? Select an
option:\na)Admin \nb)User");
char input1 = Convert.ToChar(Console.ReadLine());
if (input1 == 'a' || input1 == 'A')
{
    admin();
}
if (input1 == 'B' || input1 == 'b')
{

    DateTime dt1 = new DateTime(2022, 2, 1);
    DateTime dt2 = dt1.AddDays(10);
    int res = DateTime.Compare(dt1, dt2);
    if (res < 0)
    {
        user();
    }
    else
    {
        Console.WriteLine("The voting peroid has paassed! You can no longer vote!");
        recall();
    }
}
seperator();

}

else if (rep == 'n' || rep == 'n')
{
    Console.WriteLine("You have been logged out of the system! Goodbye!");
}

}

static void admin()
{
    bool condition = check_ad();
    if (condition == true)
    {
        Console.WriteLine("ACCESS GRANTED");
        seperator();
        Console.WriteLine("Welcome to the system! What would you like to display? Select an option.");
        Console.WriteLine("a)Details for a specific candidate. \nb)Winner in each district
        \nc)Overview of all candidates");
        string reply1 = Console.ReadLine();
        if (reply1 == "a" || reply1 == "A")
        {
            Console.WriteLine("Which candidate would you like details for? Select an option.");
            string candidatenames = File.ReadAllText("candidates.txt");

```













```
Console.WriteLine("Which district's winner would you like to view? Select an option.");
Console.WriteLine("a){0} \nb){1} \nc){2} \nd){3} \ne){4}", dstcode[0], dstcode[1], dstcode[2],
dstcode[3], dstcode[4]);
string reply3 = Console.ReadLine();
if (reply3 == "a" || reply3 == "A")
{
    string b = khiwin[khiwin.Length - 2];
    int c = Convert.ToInt32(khiwin[khiwin.Length - 1]);
    DateTime dt = DateTime.Now;
    Console.WriteLine("\n\n\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t VOTING CASTING SYSTEM\t\t\t\t\t|");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t District Receipt\t\t\t\t\t|");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t {0}\t\t | \t\t {1}\t\t | \t\t {2}\t\t |", "District
Code", "Winner", "Votes");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t {0}\t\t | \t\t\t\t {1}\t\t\t\t | \t\t\t\t {2}\t\t\t\t |",
dstcode[0], b, c);
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t\t\tPrinted On : {0}\t |", dt);
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    recall();
}
if (reply3 == "b" || reply3 == "B")
{
    string b = lhewin[lhewin.Length - 2];
    int c = Convert.ToInt32(lhewin[lhewin.Length - 1]);
    DateTime dt = DateTime.Now;
    Console.WriteLine("\n\n\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t VOTING CASTING SYSTEM\t\t\t\t\t|");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t District Receipt\t\t\t\t\t|");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t {0}\t\t | \t\t {1}\t\t | \t\t {2}\t\t |", "District
Code", "Winner", "Votes");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t {0}\t\t | \t\t\t\t {1}\t\t\t\t | \t\t\t\t {2}\t\t\t\t |",
dstcode[1], b, c);
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t\t\tPrinted On : {0}\t |", dt);
    Console.WriteLine("\t\t\t\t\t\t\t\t\t\t\t-----");
    recall();
}
if (reply3 == "c" || reply3 == "C")
{
    string b = islwin[islwin.Length - 2];
    int c = Convert.ToInt32(islwin[islwin.Length - 1]);
    DateTime dt = DateTime.Now;
```







```

int abdullah = 1;
int maxvote4 = Convert.ToInt32(hydwin[hydwin.Length - 1]); ;
string record4 = "";
int rohama = 1;
int hana = 1;
int maxvote5 = Convert.ToInt32(fsdwin[fsdwin.Length - 1]);
string record5 = "";
bool condition = check_us();
if (condition == true)
{
    seperator();
    Console.WriteLine("Allowed to vote.");
    Console.WriteLine("Select district as an option to make sure you arent a bot.");
    string dstcodes = File.ReadAllText("dstcode.txt");
    string[] dstcode = dstcodes.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
    Console.WriteLine("a){0} \nb){1} \nc){2} \nd){3} \ne){4}", dstcode[0], dstcode[1], dstcode[2],
    dstcode[3], dstcode[4]);
    string option1 = Console.ReadLine();
    seperator();
    if (option1 == "a" || option1 == "A")
    {
        seperator();
        Console.WriteLine("Which Candidate would you like to vote for?");
        string dst1 = File.ReadAllText("KHI123.txt");
        string[] firstdst = dst1.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
        Console.WriteLine("a){0} \nb){1}", firstdst[0], firstdst[1]);
        string option2 = Console.ReadLine();
        seperator();
        if (option2 == "a" || option2 == "A")
        {
            var path6 = @"ali.txt";
            string[] ali = File.ReadAllLines(path6, Encoding.UTF8);
            int a = Convert.ToInt32(ali[ali.Length - 1]);
            alikhan = alikhan + a;
            if (alikhan > maxvote1)
            {
                maxvote1 = alikhan;
                record1 = "Ali khan";
                FileStream fs1 = new FileStream(@"winkhi.txt", FileMode.Append, FileAccess.Write);
                using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
                //StreamWriter sw = new StreamWriter(fs);
                {

                    sw.WriteLine("{0}", record1);

                    sw.WriteLine(maxvote1);
                }
            }
            FileStream fs = new FileStream(@"ali.txt", FileMode.Append, FileAccess.Write);
            using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
            //StreamWriter sw = new StreamWriter(fs);
            {
                sw.WriteLine("\n{0}", alikhan);
            }
        }
    }
}

```



```

}
message();
recall();
}

if (option2 == "b" || option2 == "B")
{
var path7 = @"ayesha.txt";
string[] ayesha1 = File.ReadAllLines(path7, Encoding.UTF8);
int a = Convert.ToInt32(ayesha1[ayesha1.Length - 1]);
ayesha = ayesha + a;
if (ayesha > maxvote1)
{
maxvote1 = ayesha;
//file entry for votes
record1 = "Ayesha";
FileStream fs1 = new FileStream(@"winkhi.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{

sw.WriteLine(record1);

sw.WriteLine(maxvote1);
}
}
FileStream fs = new FileStream(@"ayesha.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
sw.WriteLine("\n{0}", ayesha);
}
message();
recall();
}

}
if (option1 == "b" || option1 == "B")
{
seperator();
Console.WriteLine("Which Candidate would you like to vote for?");
string dst2 = File.ReadAllText("LHE234.txt");
string[] seconddst = dst2.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
Console.WriteLine("a){0} \nb){1}", seconddst[0], seconddst[1]);
string option2 = Console.ReadLine();
seperator();
if (option2 == "a" || option2 == "A")
{
var path8 = @"nadia.txt";
string[] nadia1 = File.ReadAllLines(path8, Encoding.UTF8);
int a = Convert.ToInt32(nadia1[nadia1.Length - 1]);
nadia = nadia + a;
if (nadia > maxvote2)
{

```

```

maxvote2 = nadia;
//file entry for votes
record2 = "Nadia Hussain";
FileStream fs1 = new FileStream(@"winlhe.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{

sw.WriteLine("\n{0}",record2);

sw.WriteLine(maxvote2);
}
}
FileStream fs = new FileStream(@"nadia.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
sw.WriteLine("\n{0}", nadia);
}
message();
recall();
}
if (option2 == "b" || option2 == "B")
{
var path9 = @"bilal.txt";
string[] bilal1 = File.ReadAllLines(path9, Encoding.UTF8);
int a = Convert.ToInt32(bilal1[bilal1.Length - 1]);
bilal = bilal + a;
if (bilal > maxvote2)
{
maxvote2 = bilal;
//file entry for votes
record2 = "Bilal Ali";
FileStream fs1 = new FileStream(@"winlhe.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{

sw.WriteLine("\n{0}", record2);
sw.WriteLine(maxvote2);

}
}
FileStream fs = new FileStream(@"bilal.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
sw.WriteLine("\n{0}", bilal);
}
message();
recall();
}
}
if (option1 == "c" || option1 == "C")
{

```

```

seperator();
Console.WriteLine("Which Candidate would you like to vote for?");
string dst3 = File.ReadAllText("ISL345.txt");
string[] thirddst = dst3.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
Console.WriteLine("a){0} \nb){1}", thirddst[0], thirddst[1]);
string option2 = Console.ReadLine();
seperator();
if (option2 == "a" || option2 == "A")
{
var path10 = @"mobin.txt";
string[] mobin1 = File.ReadAllLines(path10, Encoding.UTF8);
int a = Convert.ToInt32(mobin1[mobin1.Length - 1]);
mobin = mobin + a;
if (mobin > maxvote3)
{
maxvote3 = mobin;
//file entry for votes
record3 = "Mobin Ahmed";
FileStream fs1 = new FileStream(@"winisl.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{
sw.WriteLine("\n{0}", record3);
sw.WriteLine(maxvote3);
}
}
FileStream fs = new FileStream(@"mobin.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
sw.WriteLine("\n{0}", mobin);
}
message();
recall();
}
if (option2 == "b" || option2 == "B")
{

var path11 = @"haya.txt";
string[] haya1 = File.ReadAllLines(path11, Encoding.UTF8);
int a = Convert.ToInt32(haya1[haya1.Length - 1]);
haya = haya + a;
if (haya > maxvote3)
{
maxvote3 = haya;
//file entry for votes
record3 = "Haya Rani";
FileStream fs1 = new FileStream(@"winisl.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{
sw.WriteLine("\n{0}", record3);
sw.WriteLine(maxvote3);
}
}
}

```

```

}
FileStream fs = new FileStream(@"haya.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
    sw.WriteLine("\n{0}", haya);
}
message();
recall();
}
}
if (option1 == "d" || option1 == "D")
{
    seperator();
    Console.WriteLine("Which Candidate would you like to vote for?");
    string dst4 = File.ReadAllText("HYD456.txt");
    string[] fourthdst = dst4.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
    Console.WriteLine("a){0} \nb){1}", fourthdst[0], fourthdst[1]);
    string option2 = Console.ReadLine();
    seperator();
    if (option2 == "a" || option2 == "A")
    {
        var path12 = @"nadeem.txt";
        string[] nadeem1 = File.ReadAllLines(path12, Encoding.UTF8);
        int a = Convert.ToInt32(nadeem1[nadeem1.Length - 1]);
        nadeem = nadeem + a;
        if (nadeem > maxvote4)
        {
            maxvote4 = nadeem;
            //file entry for votes
            record4 = "Nadeem Riaz";
            FileStream fs1 = new FileStream(@"winhyd.txt", FileMode.Append, FileAccess.Write);
            using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
            //StreamWriter sw = new StreamWriter(fs);
            {
                sw.WriteLine("\n{0}", record4);
                sw.WriteLine(maxvote4);
            }
        }
        FileStream fs = new FileStream(@"nadeem.txt", FileMode.Append, FileAccess.Write);
        using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
        {
            sw.WriteLine("\n{0}", nadeem);
        }
        message();
        recall();
    }
    if (option2 == "b" || option2 == "B")
    {
        var path13 = @"abdullah.txt";
        string[] abdullah1 = File.ReadAllLines(path13, Encoding.UTF8);
        int a = Convert.ToInt32(abdullah1[abdullah1.Length - 1]);
        abdullah = abdullah + a;
        if (abdullah > maxvote4)
    }
}

```

```

{
maxvote4 = abduallah;
//file entry for votes
record4 = "Abduallah Ali";
FileStream fs1 = new FileStream(@"winhyd.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{
sw.WriteLine("\n{0}", record4);
sw.WriteLine(maxvote4);
}
}
FileStream fs = new FileStream(@"abduallah.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
sw.WriteLine("\n{0}", abduallah);
}
}
message();
recall();
}
if (option1 == "e" || option1 == "E")
{
seperator();
Console.WriteLine("Which Candidate would you like to vote for?");
string dst5 = File.ReadAllText("FSD567.txt");
string[] fifthdst = dst5.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
Console.WriteLine("a){0} \nb){1}", fifthdst[0], fifthdst[1]);
string option2 = Console.ReadLine();
seperator();
if (option2 == "a" || option2 == "A")
{
var path14 = @"rohama.txt";
string[] rohama1 = File.ReadAllLines(path14, Encoding.UTF8);
int a = Convert.ToInt32(rohama1[rohama1.Length - 1]);
rohama = rohama + a;
if (rohama > maxvote5)
{
maxvote5 = rohama;
//file entry for votes
record5 = "Rohama Aneel";
FileStream fs1 = new FileStream(@"winfsd.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
//StreamWriter sw = new StreamWriter(fs);
{
sw.WriteLine("\n{0}", record5);
sw.WriteLine(maxvote5);
}
}
FileStream fs = new FileStream(@"rohama.txt", FileMode.Append, FileAccess.Write);
using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
{
sw.WriteLine("\n{0}", rohama);
}
}
}

```

```

    }
    message();
    recall();
    }
    if (option2 == "b" || option2 == "B")
    {
        var path15 = @"hana.txt";
        string[] hana1 = File.ReadAllLines(path15, Encoding.UTF8);
        int a = Convert.ToInt32(hana1[hana1.Length - 1]);
        hana = hana + a;
        if (hana > maxvote5)
        {
            maxvote5 = hana;
            //file entry for votes
            record5 = "Hana Fatima";
            FileStream fs1 = new FileStream(@"winfsd.txt", FileMode.Append, FileAccess.Write);
            using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
            //StreamWriter sw = new StreamWriter(fs);
            {
                sw.WriteLine("\n{0}", record5);
                sw.WriteLine(maxvote5);
            }
        }
        FileStream fs = new FileStream(@"hana.txt", FileMode.Append, FileAccess.Write);
        using (StreamWriter sw = new StreamWriter(fs, Encoding.UTF8))
        {
            sw.WriteLine("\n{0}", hana);
        }
        message();
        recall();
    }
    }
    else
    {
        Console.WriteLine("Invalid Information hence not allowed to vote");
    }
}

static bool check_ad()
{
    bool condition = false;
    string adminid1 = File.ReadAllText("adid.txt");
    string[] adminid = adminid1.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
    Console.WriteLine("Please enter your adminid");
    string admin = Console.ReadLine();
    if (Array.Exists(adminid, element => element == admin))
    {
        condition = true;
    }
    return condition;
}

```

```

}

static bool check_us()
{

    bool condition = false;
    string cnic1 = File.ReadAllText("cnic.txt");
    string[] cnic2 = cnic1.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);
    Console.WriteLine("Please enter your CNIC");
    string cnic = Console.ReadLine();

    string district1 = File.ReadAllText("dstcode.txt");
    string[] district2 = district1.Split(new char[] { ',' },
    StringSplitOptions.RemoveEmptyEntries);
    string[] done = File.ReadAllLines("alreadyvoted.txt", Encoding.UTF8);
    if (!Array.Exists(done, element => element == cnic))
    {
        Console.WriteLine("Please enter your District code");
        string district = Console.ReadLine();
        if (Array.Exists(district2, element => element == district))
        {
            if (Array.Exists(cnic2, element => element == cnic))
            {
                condition = true;
                FileStream fs1 = new FileStream(@"alreadyvoted.txt", FileMode.Append, FileAccess.Write);
                using (StreamWriter sw = new StreamWriter(fs1, Encoding.UTF8))
                {
                    sw.WriteLine(cnic);
                }
            }
        }
    }
    else
    {
        Console.WriteLine("You have already registered a vote.You can't vote again!");
        Console.WriteLine("Press enter to continue");
        Console.ReadLine();
        menu1();
    }

    return condition;
    Console.ReadLine();

}

static void seperator()
{
    Console.WriteLine("-----");
    Console.WriteLine("-----");
}

static void recall()
{

```

```

Console.WriteLine("Press enter key to continue");
Console.ReadLine();
menu1();
}

static void message()
{
Console.WriteLine("Your vote has been cast. Thank you!");
}
static void declarations()
{
var path1 = @"winkhi.txt";
string[] khiwin = File.ReadAllLines(path1, Encoding.UTF8);
var path2 = @"winlhe.txt";
string[] lhewin = File.ReadAllLines(path2, Encoding.UTF8);
var path3 = @"winisl.txt";
string[] islwin = File.ReadAllLines(path3, Encoding.UTF8);
var path4 = @"winhyd.txt";
string[] hydwin = File.ReadAllLines(path4, Encoding.UTF8);
var path5 = @"winfsd.txt";
string[] fsdwin = File.ReadAllLines(path5, Encoding.UTF8);

var path6 = @"ali.txt";
string[] ali = File.ReadAllLines(path6, Encoding.UTF8);
var path7 = @"ayesha.txt";
string[] ayesha = File.ReadAllLines(path7, Encoding.UTF8);
var path8 = @"nadia.txt";
string[] nadia = File.ReadAllLines(path8, Encoding.UTF8);
var path9 = @"bilal.txt";
string[] bilal = File.ReadAllLines(path9, Encoding.UTF8);
var path10 = @"mobin.txt";
string[] mobin = File.ReadAllLines(path10, Encoding.UTF8);
var path11 = @"haya.txt";
string[] haya = File.ReadAllLines(path11, Encoding.UTF8);
var path12 = @"nadeem.txt";
string[] nadeem = File.ReadAllLines(path12, Encoding.UTF8);
var path13 = @"abduallah.txt";
string[] abduallah = File.ReadAllLines(path13, Encoding.UTF8);
var path14 = @"rohama.txt";
string[] rohama = File.ReadAllLines(path14, Encoding.UTF8);
var path15 = @"hana.txt";
string[] hana = File.ReadAllLines(path15, Encoding.UTF8);

string candidatenames = File.ReadAllText("candidates.txt");
string[] candidate = candidatenames.Split(new char[] { ',' },
StringSplitOptions.RemoveEmptyEntries);

string dstcodes = File.ReadAllText("dstcode.txt");
string[] dstcode = dstcodes.Split(new char[] { ',' }, StringSplitOptions.RemoveEmptyEntries);

}
}
}

```



}

# Interfaces

## Admin:

### a) Login

```
VOTING CASTING SYSTEM
-----
Made by: Kashan Riaz,Haseebullah and Basil Irfan
-----
Do you want to use the system?[Y/N]
y
-----
Which part of the system would you like to access? Select an option:
a)Admin
b>User
a
Please enter your adminid
KAS383
ACCESS GRANTED
-----
Welcome to the system! What would you like to display? Select an option.
a)Details for a specific candidate.
b)Winner in each district
c)Overview of all candidates
```

```
VOTING CASTING SYSTEM
-----
Made by: Kashan Riaz,Haseebullah and Basil Irfan
-----
Do you want to use the system?[Y/N]
y
-----
Which part of the system would you like to access? Select an option:
a)Admin
b>User
a
Please enter your adminid
KAS322
ACCESS DENIED
Press enter key to continue
```

## b) Details for a specific candidate

Welcome to the system! What would you like to display? Select an option.

a)Details for a specific candidate.

b)Winner in each district

c)Overview of all candidates

a

Which candidate would you like details for? Select an option.

a)Ali khan

b)Ayesha Khattak

c)Nadia Hussain

d)Bilal Ali

e)Mobin Ahmed

f)Haya Rani

g)Nadeem Riaz

h)Abdullah ali

i)Rohama aneel

j)Hana fatima

b

VOTING CASTING SYSTEM		
Candidate Receipt		
Name	District Code	Votes
Ayesha Khattak	KHI123	13
Printed On : 1/31/2022 11:17:43 AM		

Press enter key to continue

## c) Winner in each district

Welcome to the system! What would you like to display? Select an option.

a)Details for a specific candidate.

b)Winner in each district

c)Overview of all candidates

b

Which district's winner would you like to view? Select an option.

a)KHI123

b)LHE234

c)ISL345

d)HYD456

e)FSD567

a

VOTING CASTING SYSTEM		
District Receipt		
District Code	Winner	Votes
KHI123	Ayesha	13
Printed On : 1/31/2022 11:19:19 AM		

Press enter key to continue

## d) Overview of all the candidate

C:\Users\abeer\source\repos\ConsoleApp3\ConsoleApp3\bin\Debug\netcoreapp3.1\ConsoleApp3.exe

VOTING CASTING SYSTEM		
All Candidate Overview Receipt		
Name	District Code	Votes
Ali khan	KHI123	11
Ayesha Khattak	KHI123	13
Nadia Hussain	LHE234	6
Bilal Ali	LHE234	7
Mobin Ahmed	ISL345	23
Haya Rani	ISL345	22
Nadeem Riaz	HYD456	25
Abdullah ali	HYD456	9
Rohama aneel	FSD567	18
Hana fatima	FSD567	19
Printed On : 1/31/2022 11:26:40 AM		

# USER

## a) Login

```
Do you want to use the system?[Y/N]
y
-----
Which part of the system would you like to access? Select an option:
a)Admin
b)User
b
Please enter your CNIC
42101-7719662-1
Please enter your District code
KHI123
-----
Allowed to vote.
Select district as an option to make sure you arent a bot.
a)KHI123
b)LHE234
c)ISL345
d)HYD456
e)FSD567
```

```
-----
Which part of the system would you like to access? Select an option:
a)Admin
b)User
b
Please enter your CNIC
42101-7719662-1
You have already registered a vote.You can't vote again!
Press enter to continue
```

```
-----
Which part of the system would you like to access? Select an option:
a)Admin
b)User
b
Please enter your CNIC
664896
Please enter your District code
7tyg
Invalid Information hence not allowed to vote
-----
Invalid Information hence not allowed to vote
-----
```

## b) Vote cast

```
a)Admin
b)User
c)
Please enter your CNIC
42101-1891451-1
Please enter your District code
KHI123
-----
Allowed to vote.
Select district as an option to make sure you arent a bot.
a)KHI123
b)LHE234
c)ISL345
d)HYD456
e)FSD567
A
-----
Which Candidate would you like to vote for?
a)Ali khan
b)Ayesha Khattak
A
-----
Your vote has been cast. Thank you!
Press enter key to continue
```

## **CONCLUSION**

This project was a truly rewarding experience where all group members learned the ins and outs of C# programming. We tried our best to implement everything we learned in our respective lab classes to the best of our abilities and in the most efficient way.

We are now capable of creating our very own programs whenever we desire.