

```

using System;
using System.Collections.Generic;
using System.IO;

namespace ConsoleProjektH1
{
    class Program
    {
        static void Main(string[] args)
        {
            MyFunctions mf = new MyFunctions();

            while (true)
            {
                Console.Write(">");
                string input = Console.ReadLine().ToLower();

                switch (input)
                {
                    case "showall":
                        mf.ShowAll();
                        break;
                    default:
                        if (input.StartsWith("addperson"))
                        {
                            mf.AddPerson(input.Substring("addperson".Length + 1).Replace(" ", ""));
                        }
                        else if (input.StartsWith("deleteperson"))
                        {
                            mf.DeletePerson(input.Substring("deleteperson".Length + 1).Replace(" ", ""));
                        }
                        else if (input.StartsWith("changeperson"))
                        {
                            string[] stringArray = input.Split(' ');
                            mf.ChangePerson(stringArray[1],
                                stringArray[2]);
                        }
                        break;
                }
            }
        }

        class MyFunctions
        {
            // Show the entire list
            public void ShowAll()
            {
                List<string> stringList = AlterNameList();

                foreach (var name in stringList)
                {
                    if (name != "")
                    {
                        Console.WriteLine(name);
                    }
                }
            }
        }
    }
}

```

```

    }
}

// Add a person at the end of the list
public void AddPerson(string b)
{
    File.AppendAllText(Environment.CurrentDirectory + "\\NameList.txt",
Capitalize(b) + ";");
}

// Remove a person with a specific name
public void DeletePerson(string b)
{
    List<string> stringList = AlterNameList();

    stringList.Remove(Capitalize(b));

    File.WriteAllText(Environment.CurrentDirectory + "\\NameList.txt",
""");

    foreach (var name in stringList)
    {
        File.AppendAllText(Environment.CurrentDirectory +
"\\NameList.txt", Capitalize(name) + ";");
    }
}

// Change the person with a specific name, to another name
public void ChangePerson(string b, string c)
{
    List<string> stringList = AlterNameList();

    string CapitalizedB = Capitalize(b);
    string CapitalizedC = Capitalize(c);

    stringList[stringList.IndexOf(CapitalizedB)] = CapitalizedC;

    File.WriteAllText(Environment.CurrentDirectory + "\\NameList.txt",
""");

    foreach (var name in stringList)
    {
        File.AppendAllText(Environment.CurrentDirectory +
"\\NameList.txt", Capitalize(name) + ";");
    }
}

// Capitalize the first letter in a string / char array
public string Capitalize(string a)
{
    char[] newCharArray = a.ToCharArray();
    if (a != "")
    {
        newCharArray[0] = char.ToUpper(a[0]);
    }
    return new string(newCharArray);
}

```

```

        // Fetch the list of names for alteration
        public List<string> AlterNameList ()
        {
            string content = File.ReadAllText(Environment.CurrentDirectory +
"\NameList.txt");
            List<string> stringList = new List<string>();

            foreach (var name in content.Split(';'))
            {
                if (name != "")
                {
                    stringList.Add(Capitalize(name));
                }
            }

            return stringList;
        }
    }
}

```