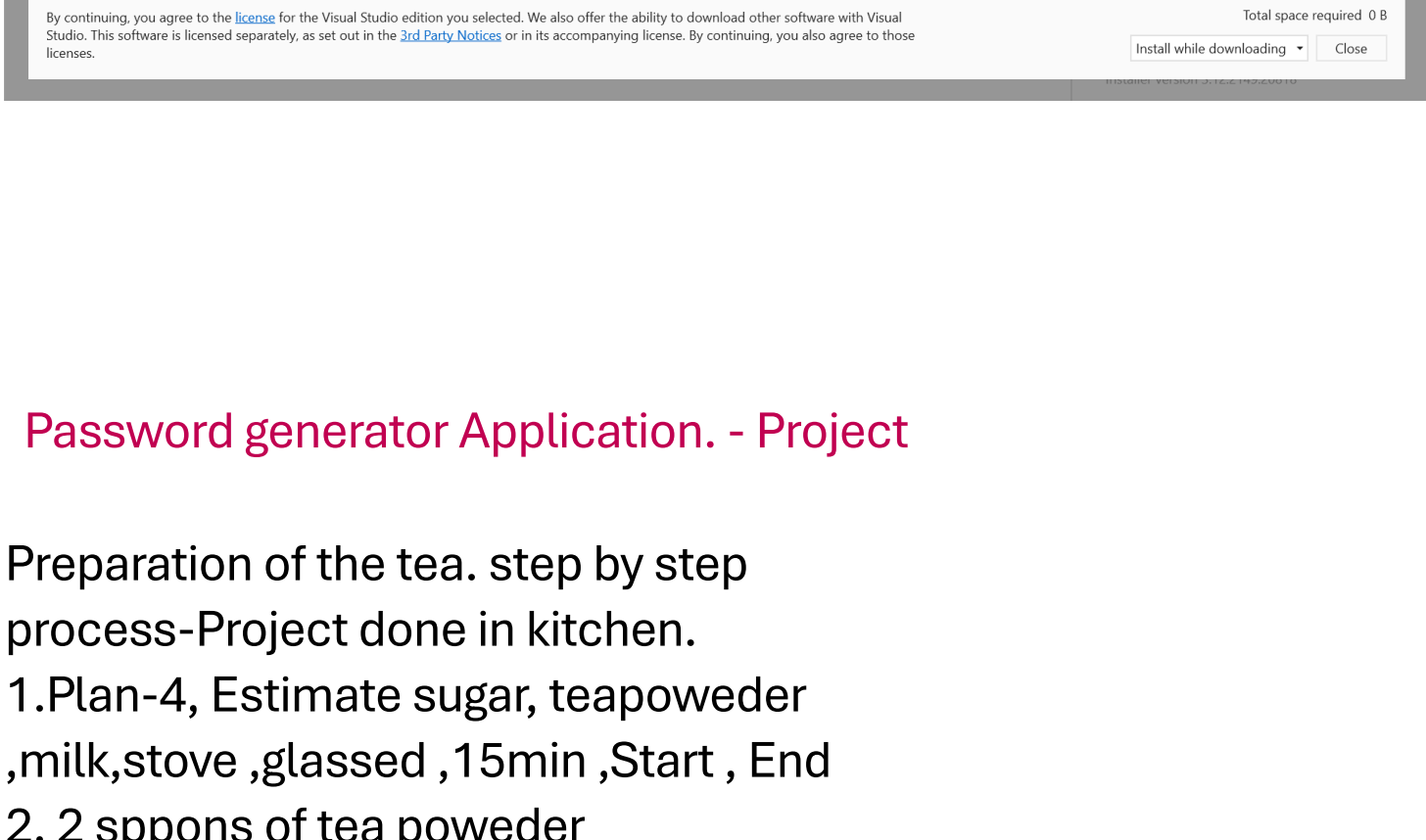




<https://visualstudio.microsoft.com/vs/community/>

install the c#, dot net related packages



Password generator Application. - Project



Preparation of the tea. step by step process-Project done in kitchen.

1.Plan-4, Estimate sugar, teapoweder ,milk,stove ,glassed ,15min ,Start , End

2. 2 sppoons of tea powder

3. 4 spoons of sugar

4.Milk ,water

5.Stove on

6.after some time tea taste see and makes confirm tea is done

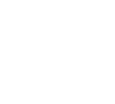
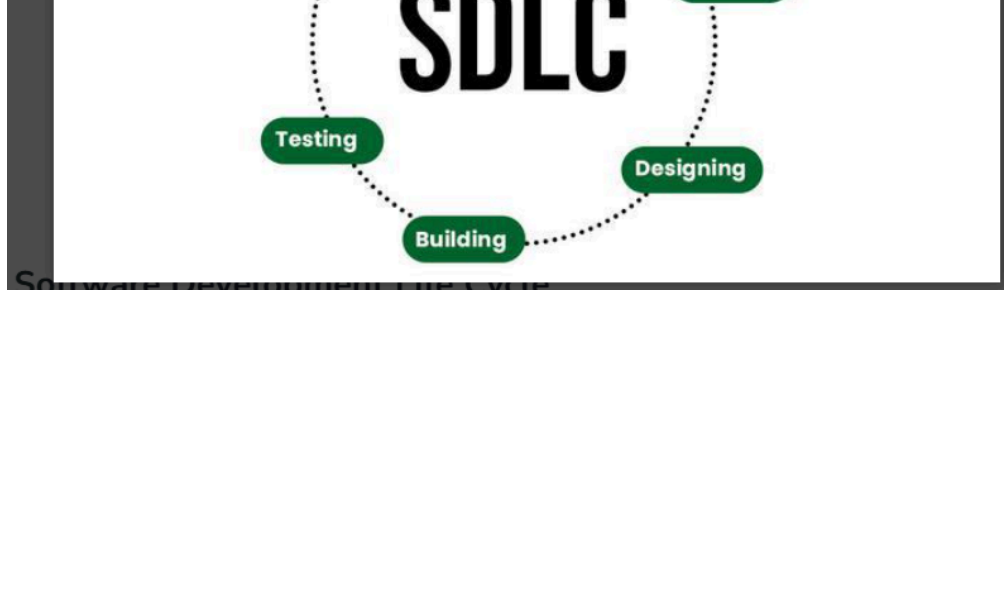
7.Stove off

8.Serve to glasses

9.End



Software Development Life cycle <https://www.geeksforgoeks.org/software-development-life-cycle-sdlc/>



writing the code for Application of password generator

- 1.Start
2. plan
- 3.define
- 4.design
- 5.build, c# codeing
- 6.test
- 7.Deployment
- 8.End



Display Date and Password.

```
// See https://aka.ms/new-console-template for more information
//Random function use
//Datetime use
//Admin has to give one password every time, instead of manual thinking
//we are generating password
Console.WriteLine("      Welcome to password generator");

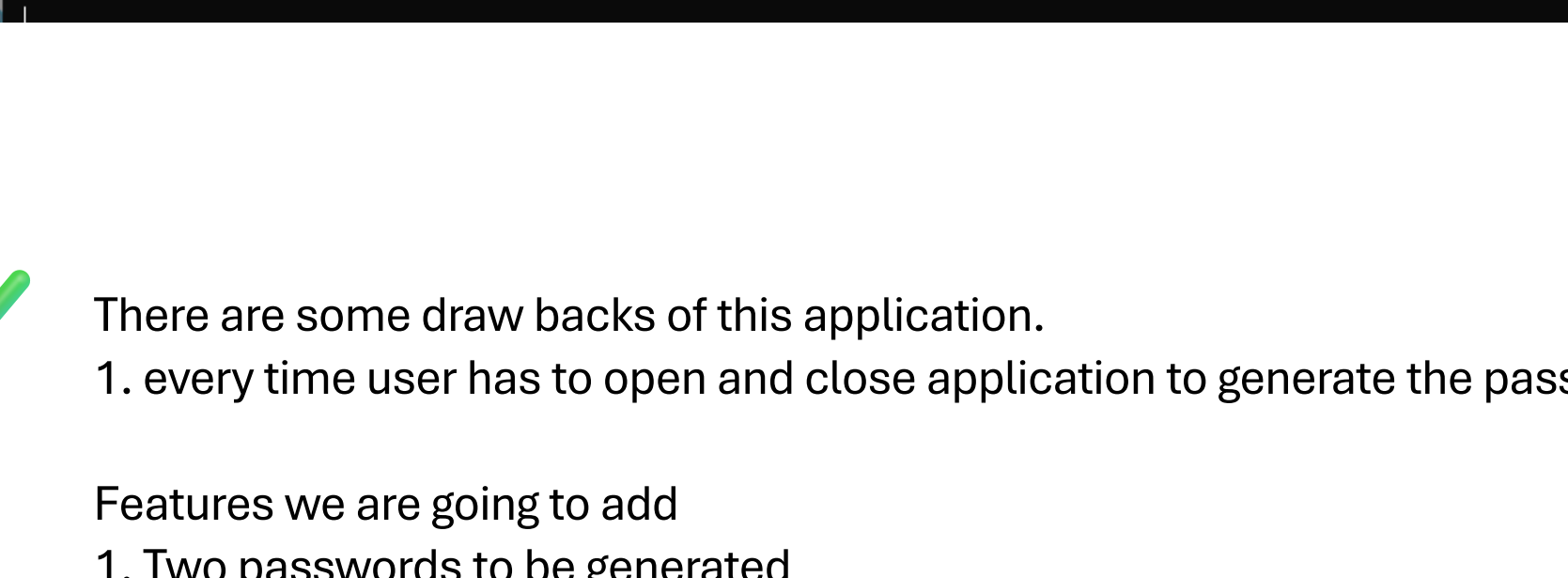
//Random function use
DateTime currentDate = DateTime.Now;
Console.WriteLine("      Current Date: " + currentDate.ToString("d"));
Console.WriteLine(".....");

Random random = new Random();
int randomIntInRangeValue = random.Next(1000, 100000);

Console.WriteLine(" ");
Console.WriteLine("      Password value is "+ randomIntInRangeValue);

Console.WriteLine(" ");
Console.WriteLine(" ");
Console.WriteLine(" ");
Console.WriteLine(" ");
Console.WriteLine(" ");

Console.ReadLine();
```



There are some draw backs of this application.

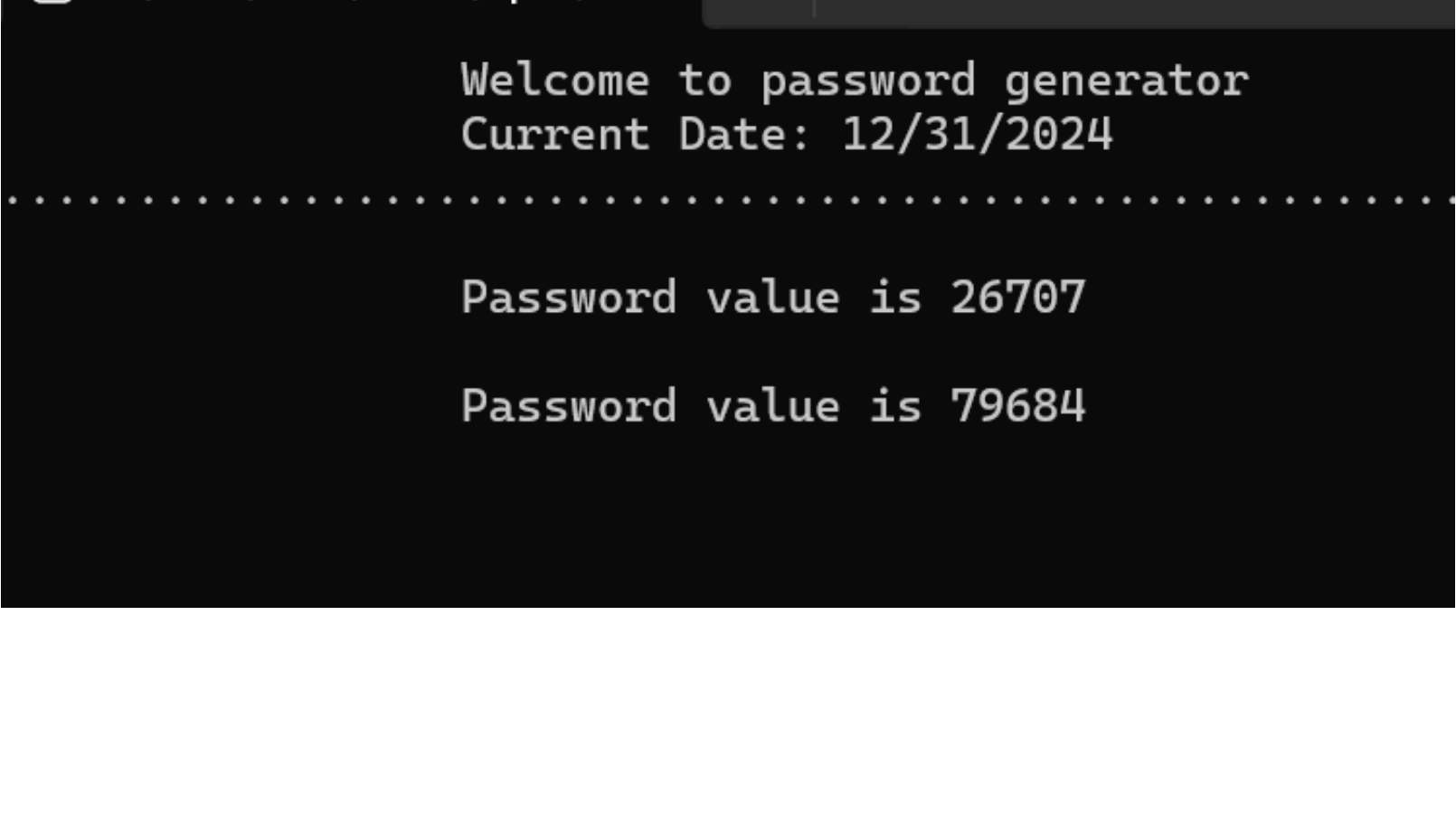
1. every time user has to open and close application to generate the password.

Features we are going to add

1. Two passwords to be generated

2. The ability to generate anther password if required.

3. Password should be a alphanumeric, with length 8, it should contain one Number, Capital letter and Small letters.



```
Code: // See https://aka.ms/new-console-template for more information
//Random function use
//Datetime use
//Admin has to give one password every time, instead of manual thinking
//we are generating password
Console.WriteLine("      Welcome to password generator");

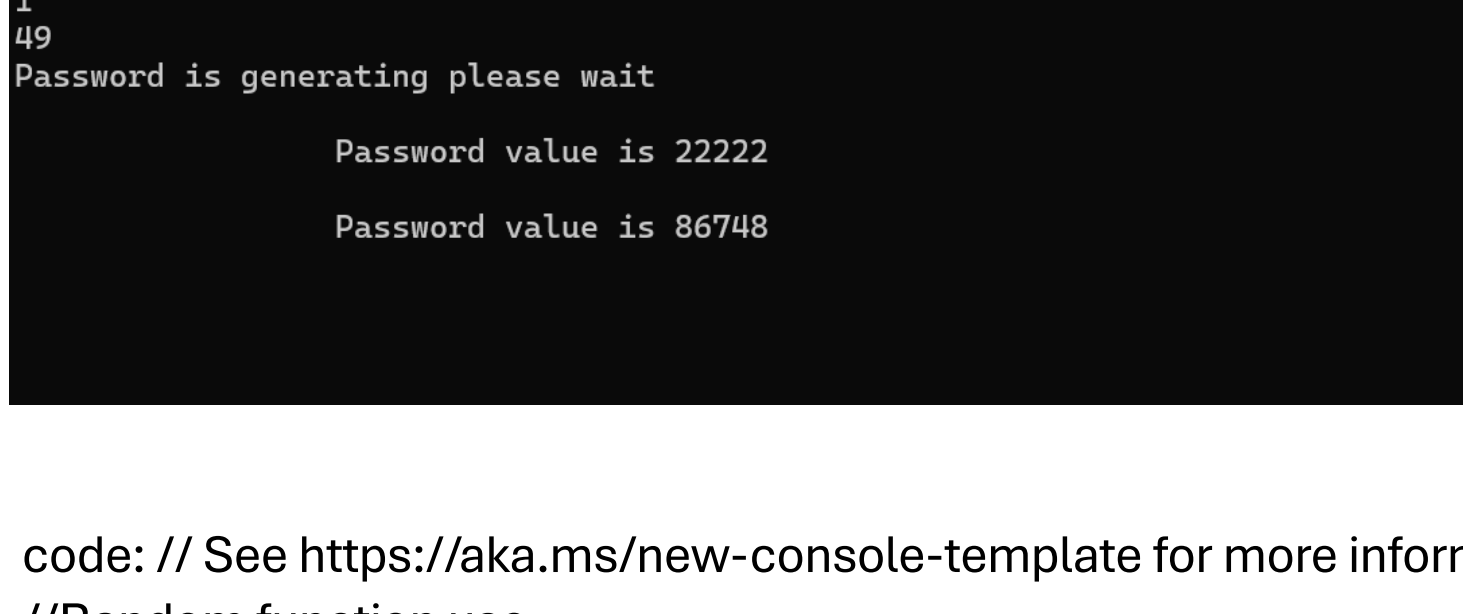
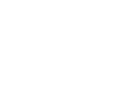
//Random function use
DateTime currentDate = DateTime.Now;
Console.WriteLine("      Current Date: " + currentDate.ToString("d"));
Console.WriteLine(".....");

Random random = new Random();

for (int i = 0; i < 2; i++)
{
    int randomIntInRangeValue = random.Next(1000, 100000);
    Console.WriteLine(" ");
    Console.WriteLine("      Password value is " + randomIntInRangeValue);
}

Console.WriteLine(" ");
Console.WriteLine(" ");
Console.WriteLine(" ");
Console.WriteLine(" ");
Console.WriteLine(" ");

Console.ReadLine();
```



```
code: // See https://aka.ms/new-console-template for more information
//Random function use
//Datetime use
//Admin has to give one password every time, instead of manual thinking
//we are generating password
Console.WriteLine("      Welcome to password generator");

//Random function use
DateTime currentDate = DateTime.Now;
Console.WriteLine("      Current Date: " + currentDate.ToString("d"));
Console.WriteLine(".....");
GeneratePassword();
void GeneratePassword()
{
    Random random = new Random();

    for (int i = 0; i < 2; i++)
    {
        int randomIntInRangeValue = random.Next(1000, 100000);
        Console.WriteLine(" ");
        Console.WriteLine("      Password value is " + randomIntInRangeValue);
    }

    Console.WriteLine(" ");
    Console.WriteLine(" ");
    Console.WriteLine(" ");
    Console.WriteLine(" ");
    Console.WriteLine(" ");
}

Console.WriteLine("Do you want to generate password , Press 1 to generate");
int userInput = Console.Read();

Console.WriteLine(userInput);

if(Convert.ToChar(userInput) == 49)
{
    Console.WriteLine("Password is generating please wait");
    GeneratePassword();
    Console.WriteLine("Do you want to generate password , Press 1 to generate");

    Console.Read();
}
Console.Read();
```