```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace AssessmentTwo
{
    public class Teacher
    {
        public int Id { get; set; }
        public string Name { get; set; }
        public string Class { get; set; }
    }
}
```

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

namespace AssessmentTwo
{
    internal class Program
    {
        static List<Teacher> teacher = new List<Teacher>();
        public static void ReadFile()
        {
            string path = @"D:\Raven\Practice Exercise\C#\AssessmentTwo\Teacher.txt";
            string[] lines = File.ReadAllLines(path);
            foreach(string line in lines)
            {
                string[] parts = line.Split(',');
                if (parts.Length == 3)
                {
                    Teacher teach = new Teacher { Id = int.Parse(parts[0].Trim()), Name = parts[1].Trim(), Class =
parts[2].Trim() };
                    teacher.Add(teach);
                }
            }
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    }
    public static void AddTeacher()
    {
        Console.WriteLine("Enter Teacher Id");
        int id = int.Parse(Console.ReadLine());
        Console.WriteLine("Enter Teacher Name");
        string name = Console.ReadLine();
        Console.WriteLine("Enter Teacher's Class");
        string classs=Console.ReadLine();
        teacher.Add(new Teacher { Id=id, Name=name, Class=classs });
        Console.WriteLine("New Teacher is Added");
    }
    public static void DisplayTeachers()
    {
        foreach (Teacher teach in teacher)
        {
            Console.WriteLine($"Teacher Id : {teach.Id}\t\tTeach Name : {teach.Name}\t\t Class :
{teach.Class}");
        }
    }
    public static void UpdateTeacher(int id)
    {
        Teacher teach = teacher.Find(teacher => teacher.Id == id);
        if (teach != null)
        {
            Console.WriteLine("Enter New Name");
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            teach.Name = Console.ReadLine();
            Console.WriteLine("Enter New Class");
            teach.Class = Console.ReadLine();
            Console.WriteLine("\nTeacher Data is Updated");
        }
        else
        {
            Console.WriteLine($"\nTeacher with the Id = {id} is not in the system");
        }
    }
    static void Main(string[] args)
    {
        try
        {
            ReadFile();
            again:
            Console.WriteLine("The Avaliable Options Are : \n1. Add Teacher\n2. Update Teacher\n3.
Retrieve All Teacher");
            Console.Write("Enter the Option : ");
            switch (int.Parse(Console.ReadLine()))
            {
                case 1:
                    {
                        AddTeacher();
                        break;
                    }
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        case 2:
          {
            Console.WriteLine("\nEnter the Id of teacher to Update");
            int id = int.Parse(Console.ReadLine());
            UpdateTeacher(id);
            break;
          }
        case 3:
          {
            Console.WriteLine("\nList of All Teachers\n");
            DisplayTeachers();
            break;
          }
        default:
          {
            Console.WriteLine("Enter the Correct the Option");
            goto again;
          }
      }
      Console.WriteLine("\nPress Y to continue.... Others to Exit.");
      if (char.Parse(Console.ReadLine()) == 'y')
        goto again;
    }
    catch(Exception ex)
    {
```

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            Console.WriteLine(ex.Message);
        }
        finally
        {
            string path = @"D:\Raven\Practice Exercise\C#\AssessmentTwo\Teacher.txt";
            using (StreamWriter write=new StreamWriter(path))
            {
                foreach(Teacher teach in teacher)
                {
                    write.WriteLine($"{teach.Id}, {teach.Name}, {teach.Class}");
                }
            }
            Console.WriteLine("Data Saved in the File");
        }
    }
  }
}
```