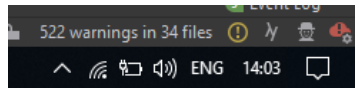


StyleCop

After installing and running StyleCop, the total number of errors was:



Most of these warnings at DAL, BLL and PL levels are of the following types:

- **Elements should be separated by blank line, code should not contain trailing whitespace:**

```
public UserInfo GetUserInfo(int userId)
{
    return _context.UserInfos.Single(u => u.UserId == userId);
}
```

- **The file header is missing or not located at the top of the file:**

```
using System;
using System.ComponentModel.DataAnnotations;
using System.ComponentModel.DataAnnotations.Schema;
```

- **Prefix local calls with this:**

```
_context.UserInfos.Add(userInfo);
_context.SaveChanges();

_context.Users.Update(user);
_context.SaveChanges();
```

- **Elements should be documented:**

```
public void AddUserInfo(string genderName, int weight, int goal, DateTime dateOfBirth)
{
    Gender gender = null;
    string username = (string) Application.Current.Properties["username"];
    User user = _context.Users.SingleOrDefault(x => x.Username == username);
    int age = (DateTime.Now.Year - dateOfBirth.Year);
    UserInfo userInfo = new UserInfo(age, weight, goal, dateOfBirth, gender, user);
}
```

- **Use built-in type alias:**

```
public User Register(string username, String password)
{
}
```

- **Each attribute should be placed on its own line of code:**

```
[Column( name: "volume")] public int Volume { get; set; }

[Column( name: "time")] public DateTime Time { get; set; }
```

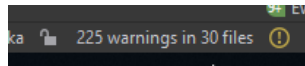
- **Using directive should appear within a namespace declaration:**

```
1 using System;
2 using System.ComponentModel.DataAnnotations;
3 using System.ComponentModel.DataAnnotations.Schema;
4
5 namespace DrinkIt.Models
```

- **Namespace alias 'local' is not required by code and can be safely removed**

```
<x:Class base="DrinkIt.Setting"
xmlns="http://schemas.microsoft.com/einf/2006/xml/presentation"
xmlns:inf="http://schemas.microsoft.com/einf/2006/xml"
xmlns:blend="http://schemas.microsoft.com/expression/blend/2008"
xmlns:mark="http://schemas.openxmlformats.org/markup-compatibility/2006"
xmlns:local="clr-namespace:DrinkIt"
xmlns:ignore="http://schemas.microsoft.com/einf/2006/xml/ignore" />
```

After correction the code the total number of errors was:



And now :

Each attribute is placed on its own line of code:

```
[Key]
[Column( name: "id")]
[DatabaseGenerated(DatabaseGeneratedOption.Identity)]
public int Id { get; set; }

[Column( name: "name")]
[Required]
public string Name { get; set; }
```

Built-in type alias is used everywhere:

```
private bool IsValidUsernameAndPassword(string username, string password)
{
    return username.Length > 5 && username.Length < 20 && password.Length > 5 && password.Length < 20;
}
```

Prefix local calls with this:

```
public Information()
{
    this.InitializeComponent();
    this._menuOfDrinks = new MenuOfDrinks();
    this._home = new Home();
    this._statistic = new Statistic();
    this._setting = new Setting();
}
```

Using directive appears within a namespace declaration:

```
namespace DrinkIt.models
{
    using System.ComponentModel.DataAnnotations;
    using System.ComponentModel.DataAnnotations.Schema;
}
```

Besides elements are separated by blank line, code does not contain trailing whitespace and there are no unused namespaces.

