LinksPlatform's Platform.Counters Class Library

./Counter.cs

```csharp
1   using System.Runtime.CompilerServices;
2
3   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
4
5   namespace Platform.Counters
6   {
7       /// <remarks>
8       /// Must be class, not struct (in order to persist access to Count field value).
9       /// </remarks>
10      public class Counter
11      {
12          protected ulong _count;
13          public ulong Count => _count;
14          [MethodImpl(MethodImplOptions.AggressiveInlining)]
15          public void Increment() => _count++;
16      }
17  }
```

./Counter[TValue].cs

```csharp
1   using System.Runtime.CompilerServices;
2
3   #pragma warning disable IDE0060 // Remove unused parameter
4   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
5
6   namespace Platform.Counters
7   {
8       public class Counter<TValue> : Counter
9       {
10          [MethodImpl(MethodImplOptions.AggressiveInlining)]
11          public bool IncrementAndReturnTrue()
12          {
13              _count++;
14              return true;
15          }
16
17          [MethodImpl(MethodImplOptions.AggressiveInlining)]
18          public bool IncrementAndReturnTrue(TValue value)
19          {
20              _count++;
21              return true;
22          }
23      }
24  }
```

./Counter[TValue, TDecision].cs

```csharp
1   using System.Runtime.CompilerServices;
2
3   #pragma warning disable IDE0060 // Remove unused parameter
4   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
5
6   namespace Platform.Counters
7   {
8       public class Counter<TValue, TDecision> : Counter
9       {
10          private readonly TDecision _trueValue;
11
12          public Counter(TDecision trueValue) => _trueValue = trueValue;
13
14          public Counter() { }
15
16          [MethodImpl(MethodImplOptions.AggressiveInlining)]
17          public TDecision IncrementAndReturnTrue()
18          {
19              _count++;
20              return _trueValue;
21          }
22
23          [MethodImpl(MethodImplOptions.AggressiveInlining)]
24          public TDecision IncrementAndReturnTrue(TValue value)
25          {
26              _count++;
27              return _trueValue;
28          }
29      }
30  }
```

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