```
LinksPlatform's Platform Setters Class Library
    ./SetterBase.cs
   using System.Runtime.CompilerServices;
   using Platform.Interfaces;
   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
4
   namespace Platform.Setters
6
        /// <remarks>
        /// Must be class, not struct (in order to persist access to Result property value).
9
        /// </remarks>
10
        public abstract class SetterBase<TResult> : ISetter<TResult>
11
12
            protected TResult _result;
14
            public TResult Result => _result;
15
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
17
            protected SetterBase() { }
18
19
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
20
            protected SetterBase(TResult defaultValue) => _result = defaultValue;
21
22
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
23
            public void Set(TResult value) => _result = value;
        }
25
   }
26
     ./Setter[TResult, TDecision].cs
   using System.Collections.Generic;
   using System.Runtime.CompilerServices;
3
   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
   namespace Platform.Setters
7
   {
        public class Setter<TResult, TDecision> : SetterBase<TResult>
9
            private readonly TDecision _trueValue;
private readonly TDecision _falseValue;
10
11
12
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
13
            public Setter(TDecision trueValue, TDecision falseValue, TResult defaultValue)
14
                : base(defaultValue)
            {
16
                 _trueValue = trueValue;
17
                _falseValue = falseValue;
18
19
20
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
21
            public Setter(TDecision trueValue, TDecision falseValue) : this(trueValue, falseValue,
22
                default) { }
23
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
24
            public Setter(TResult defaultValue) : base(defaultValue) { }
26
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
            public Setter() { }
2.8
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
            public TDecision SetAndReturnTrue(TResult value)
31
32
                 _result = <mark>value</mark>;
33
                return _trueValue;
            }
35
36
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
37
            public TDecision SetAndReturnFalse(TResult value)
38
39
                _result = value:
40
                return _falseValue;
41
            }
42
43
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
            public TDecision SetFirstAndReturnTrue(IList<TResult> list)
45
46
                 result = list[0];
47
                return _trueValue;
48
            }
```

```
50
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
            public TDecision SetFirstAndReturnFalse(IList<TResult> list)
52
53
                _result = list[0];
return _falseValue;
55
            }
56
       }
57
58
    ./Setter[TResult].cs
1.3
   using System.Runtime.CompilerServices;
   #pragma warning disable CS1591 // Missing XML comment for publicly visible type or member
4
   namespace Platform.Setters
       public class Setter<TResult> : Setter<TResult, bool>
{
6
8
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
9
            public Setter(TResult defaultValue) : base(true, false, defaultValue) { }
10
11
            [MethodImpl(MethodImplOptions.AggressiveInlining)]
12
            public Setter() { }
13
        }
14
15
   }
```

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