Gets a property's parent object

```
#region Usings
using System;
using System.IO;
using System.Reflection;
using System.Text;
using System.Linq.Expressions;
using System.Collections;
#endregion

namespace Utilities
{
///

/// Utility class that handles various
/// functions dealing with reflection.
///
public static class Reflection
{

///

/// Gets a property's parent object
///
/// Source object /// Path of the property (ex:
Prop1.Prop2.Prop3 would be
/// the Prop1 of the source object, which then has a Prop2 on
it, which in turn
/// has a Prop3 on it.) /// Property info that is sent back
/// The property's parent object
public static object GetPropertyParent(object SourceObject,
string PropertyPath, out PropertyInfo PropertyInfo)
{
try
{
if (SourceObject == null)
{
PropertyInfo = null;
return null;
}
```

```
string[] Splitter = { “.” };
string[] SourceProperties = PropertyPath.Split(Splitter, StringSplitOptions.None);
object TempSourceProperty = SourceObject;
Type PropertyType = SourceObject.GetType();
PropertyInfo = PropertyType.GetProperty(SourceProperties[0]);
PropertyType = PropertyInfo.PropertyType;
for (int x = 1; x < SourceProperties.Length; ++x) { if (TempSourceProperty != null) { TempSourceProperty = PropertyInfo.GetValue(TempSourceProperty, null); } PropertyInfo = PropertyType.GetProperty(SourceProperties[x]); PropertyType = PropertyInfo.PropertyType; } return TempSourceProperty; } catch { throw; } } } }
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```