Shared libraries

- SignifyTypeExtensions
- SignifyControlLibrary
- SignifyHR.Helpers
- Third-Party Integrations

SignifyTypeExtensions

- This library is used to to type casting for primitive types and has built-in error checking while performing type casting.
- This type casting is extended from String, DataTable and Object types.
- Examples:

```
var dateVariable = dt.ToDateTime(0, "ExpiredBeforeDate"); // extends DataTable type

var boolVariable = dt.ToBoolean(0, "ViewAssessmentTranscript");

var stringVariable = dt.ToString(0, "DocumentReferenceNumber");

var decimalVariable = this.ToDecimal();

var intVariable = this.ToInt32();

var doubleVariable = this.ToDouble();

var floatVariable = this.ToFloat();
```

TODO: Add example method for each type

SignifyControlLibrary

- This library extends certain controls inheriting from **System.Web.UI.WebControls** that are used regularly on web forms.
- Some properties are added to these controls that automate some of the functions that are normally performed on this control.
- Controls that are extended are

```
<asp:Repeater>
<asp:HiddenField>
<asp:TextBox>
<asp:Literal>
<asp:DropDownList>
```

- Examples:

```
<!--
AllowPaging - switch paging on or off for repeater
PageSize
    public enum PageSizes
    {
        Ten = 10,
        Twenty = 20,
        Fifty = 50,
        Hundred = 100
    }
NoResultsFoundMessage - override no results message
-->
<signify:SignifyRepeater ID="rptOverlapHistories" runat="server" AllowPaging="false"
NoResultsFoundMessage="No results found for your search criteria.">
<!--
Visible is by default false
-->
<signify:SignifyHiddenField ID="hfProcessObjectID" runat="server" Value="0" />
<!--
DisplayType
    public enum DisplayTypes
    {
```

```
        TextBox,

        TextArea,

        SearchBox

    }

    protected override void OnPreRender(EventArgs e)

    {

        base.OnPreRender(e);


        switch (_displayType)

        {

            case DisplayTypes.TextBox:

                this.TextMode = TextBoxMode.SingleLine;


                if (this.MaxLength == 0)

                    this.MaxLength = 500;

                break;

            case DisplayTypes.TextArea:

                this.TextMode = TextBoxMode.MultiLine;


                if (this.MaxLength == 0)

                    this.MaxLength = 2000;

                break;

            case DisplayTypes.SearchBox:

                this.TextMode = TextBoxMode.SingleLine;


                if (this.MaxLength == 0)

                    this.MaxLength = 200;

                break;

            default:

                break;

        }

    }
-->
<signify:SignifyTextBox MaxLength="50" ID="txtEmpNo" runat="server" DisplayType="SearchBox"
Width="170px"></cc:SignifyTextBox>
<!--
FormatDate - true/false (Should the text be Formatted to yyyy/mm/dd before rendering to the client?)
UseSession_DateFormat
EncodeHTML - true/false (Should the text be HtmlEncoded before rendering to the client?)
-->
```

```
<signify:SignifyLiteral ID="lPreferred" runat="server" Text="Preferred"></signify:SignifyLiteral>
<!--
Text - places i image before text in page heading
-->
<signify:SignifyPageDescription ID="pdOptMsg" runat="server" Text="When selected, steps in the pathway are
copied but empty.<br>Each step must be configured e.g. for the Document step a document needs to be
uploaded.<br>When not selected, a copy of the pathway structure is also made e.g. for a Document step, the
document will already be available for download"></signify:SignifyPageDescription>
<!--
AddAllOption - Add an extra option named \"All\" to drop down list and returns a \"%\" in the value property, this
properties can be changed
AllOptionText - Sets the text property for the \"All\" option
AllOptionValue - Sets the value property for the \"All\" option"
-->
<signify:SignifyDropDownList ID="ddlAppType" runat="server" AddAllOption="true" AllOptionText=""
AllOptionValue="" DataValueField="ObjectID" />
```

TODO: Single example per control, state what the defaults are

SignifyHR.Helpers

- Groups commonly used helpers used across all modules in Signify

Helpers available:

- ApiUtilities
- BooleanHelper
- CalendarControlHelper
- DateHelper
- DocumentUploadHelper
- EnumHelper
- ExceptionHelper
- FileHelper
- FunctionHelper
- GenerateTokenUtilities
- HorizontalCalendarControlHelper
- HttpExceptionHelper
- HttpResultHelper
- ImageUtilities
- IntegerHelper
- JsonCallHelper
- ModelHelper
- MvcUtilities
- NetworkHelper
- NetworkUitlities
- OrderHelper
- RoleUtilities
- ScormHelper
- SessionHelper
- SignifyHtmlUtilities
- SmsHelper
- StringHelper
- SvgHelper
- SystemStandards
- TransactionLogger
- XmlCallHelper
- VerticalCalendarControlHelper

TODO - description of helper and signature of 3 methods

Third-Party Integrations

SigniFlowUtilities

AdobeUtilities

QuestionMark

Rustici

ZoomConnect

Sharepoint