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Institute for data collection and research

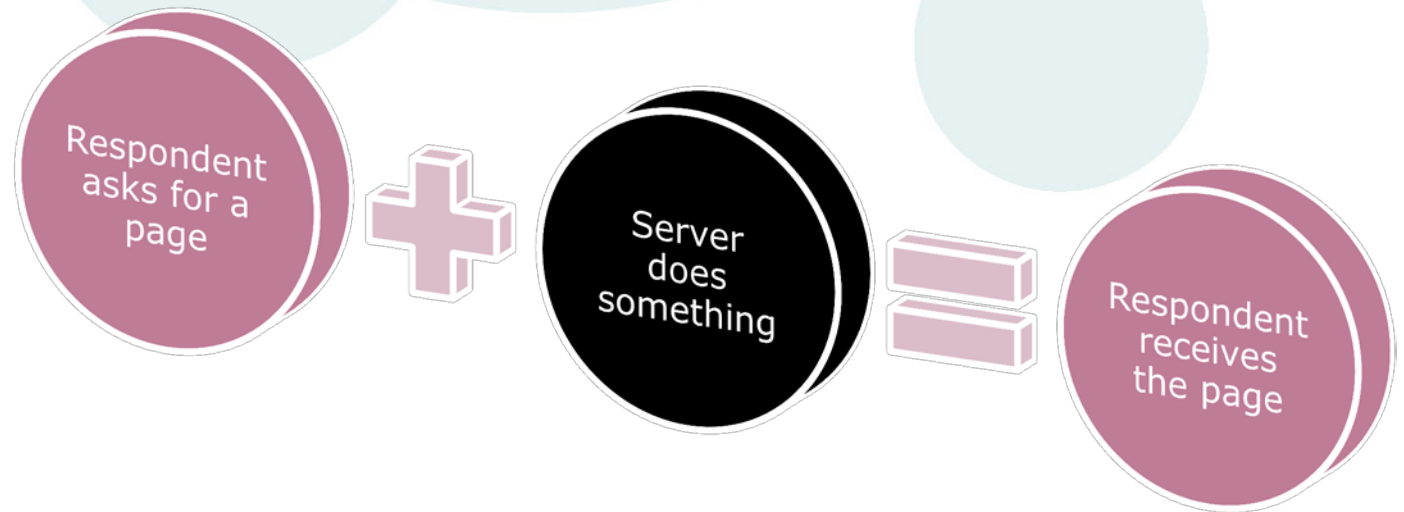
Customizing the Blaise IS XSLT Stylesheets and ASP Scripts

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CentERdata

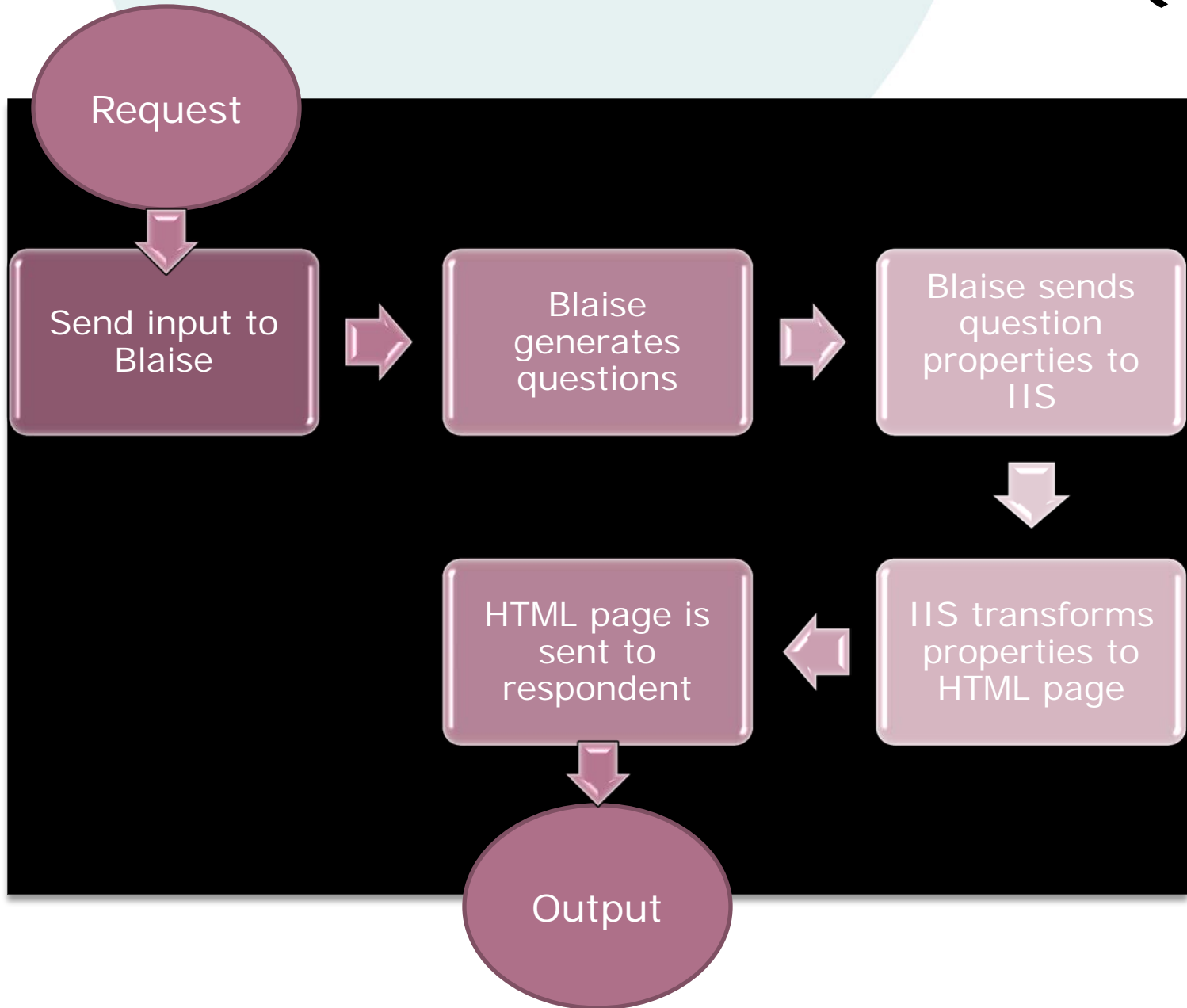


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Blaise IS: How does it work?



Blaise IS: How does it work? (2)





Modifying XSLT style sheets

- Modify look and feel of webpages
- Add extra functionality to meet demands of our customers



Clickable texts by modifying XSLT style sheets

- Added id to input elements
- Modified template RichTextElement to add label with "for" attribute

```
<input name="qulfpala" id="qulfpala1" value="1" type="radio">  
<label for="qulfpala1">Option A</label>  
<input name="qulfpala" id="qulfpala2" value="2" type="radio">  
<label for="qulfpala2">Option B</label>
```



Slider using jQuery-UI (1)

Blaise source file (.bla)

```
<div id="slider2"></div>
<script type="text/javascript">
    $(function() {
        createSlider(2);
    });
</script>
```

XSLT style sheet

- Includes links to jQuery libraries
- Includes JavaScript function createSlider()



Slider using jQuery-UI (2)

- Creates slider on document load
- Fills input field when slider is moved

```
function createSlider(id) {
    var element = document.getElementById("qu" + id + "_id");
    element.style.display = 'none';
    var val = 550;
    if (element.value != '') {
        val = parseInt(element.value);
    } else {
        element.value = val;
    }
    var sliderOpts = {
        min: 100,
        max: 1000,
        value: val,
        slide: function(e, ui) {
            element.value = ui.value;
        }
    };
    $("#slider" + id).slider(sliderOpts);
}
```


Slider using jQuery-UI (3)

De orde in ons land handhaven.

Helemaal niet belangrijk 1 2 3 4 5 6 7 8 9 10 Heel erg belangrijk




Table Styling

- Header row gets css class "HeaderRow"
- Other rows alternating css classes "OddRow" and "EvenRow"
- Styling (for instance coloring) can be set with standard css

	1	2	3	4	5
Vond u het moeilijk om de vragen te beantwoorden?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vond u de vragen duidelijk?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heeft de vragenlijst u aan het denken gezet?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vond u het onderwerp interessant?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vond u het plezierig om de vragen in te vullen?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Trigram search/encode question (1)

- Automatic look-up and encode question
- Question uses a database that contains descriptions
- Very similar to a Google search suggestion box
- Code is written in Classic ASP and uses an Access database

Trigram search/encode question (2)

Please select a school.

[Greenbrae School](#), [Greenbrae Crescent](#), Bridge Of Don, Aberdeen, AB23 8NJ

Udny [Green School](#), Udny [Green](#), Ellon, Aberdeenshire, AB41 7RS

Timmer[greens](#) Primary School, Emislaw Drive, Arbroath, DD11 2HJ

[Greenmill](#) Primary School, 2 Barrhill Road, Cumnock, KA18 1PG

Castleview Primary School, 2d [Greendykes](#) Road, Edinburgh, EH16 4DP

Bal[green](#) Primary School, 171 Bal[green](#) Road, Edinburgh, EH11 3AT

Juniper [Green](#) Primary School, 20 Baberton Mains Wynd, Edinburgh, EH14 3EE

Parsons [Green](#) Primary School, Meadowfield Drive, Edinburgh, EH8 7LU

Pentland Primary School, 10 Oxgangs [Green](#), Edinburgh, EH13 9JF

Castlebrae Community High School, 2a [Greendykes](#) Road, Edinburgh, EH16 4DP

Thorntree Primary School, 55 Cobinshaw Street, [Greenfield](#), Glasgow, G32 6XL

[Greenview Learning Centre](#), 165 Glenhead Street, Glasgow, G22 6DJ



Previously presented modifications

- Simple Style Sheet (Arnaud Wijnant & Edwin de Vet) – IBUC 2012
- Mobile style sheet based on the Simple Style Sheet and jQuery mobile (Alerk Amin) – IBUC 2012
- C3B – incorporating external webpages into the Blaise questionnaire (Arnaud Wijnant) – IBUC 2010



Modifying asp scripts - logging

- Modification of BiPagHan.asp
- Logging to plain text file
- Name of the questionnaire, timestamp (date and time), key value of the respondent, question name and given answer
- Analysis of time intervals between questions
- Are respondents going back in the questionnaire?

Security enhancement

Respondents portal

KeyValue=1237
HashValue=sha1(
SALT."1237")

BlaiseIS server

Recalculate hash
HashValue=sha1(
SALT.KeyValue)

```
<form action="blaiseISserver/biInterviewStarter.asp">  
<input type="hidden" name="KeyValue" value="1237" />  
<input type="hidden" name="HashValue"  
      value="dd054b0a2f3b8b66f6611910" />  
<input type="Submit" value="Start Questionnaire" />  
  
</form>
```

- First question
- Missing KeyValue
- Incorrect hashvalue



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