



CentERdata
Institute for data collection and research

Jumping around in Blaise IS



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Online life history calendar

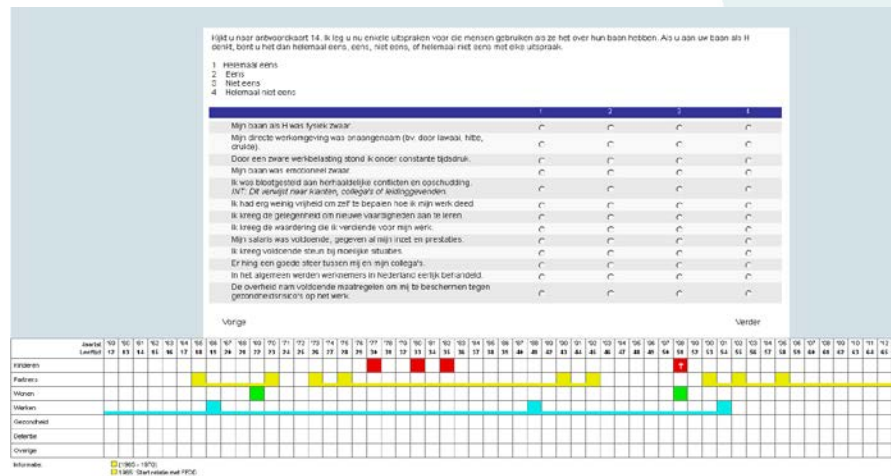
Technical explanation

Problems and solutions

Spin-offs

Online life history calendar

- Define an external stylesheet
- Try to generate calendar code in Blaise
- Problem with storing the full calendar datastructure



- Use service
- Upload json objects
- Return inline html code



Technical explanation JSON initialize to service

CALENDAR:=

```
'<script language="JavaScript">
  calendar.push ({
    "Initialize":{
      "Key1":'+STR(nohouse)+' ,
      "Key2":'+STR(nomem)+' ,
      "StartYear":' + STR(age+YEAR(SYSDATE)) + ' ,
      "EndYear":'+STR(YEAR(SYSDATE))+',
      "Sections":{
        "1":{"Label":"Children","Link":"Sec_RC.RC001_strkid"},
        "2":{"Label":"Partners","Link":"Sec_RP.RP001_prtstart"},
        "3":{"Label":"Living","Link":"Sec_AC.AC001_acstrt"},
        "4":{"Label":"Jobs","Link":"Sec_RE.RE001_whstart"},
        "5":{"Label":"Health","Link":"Sec_HS.HS001_HSStart"},
        "6":{"Label":"Detention","Link":"Sec_PR.PR001_PRStart"},
        "7":{"Label":"Other","Link":"Sec_OT.OT001_OTStart"}
      }
    }
  });
</script>'
```




Technical explanation

Divs returned

```
<div
  id="calendar_item_4_2_1"
  class="calendar_item calendar_item_style_cga_4 calendar_range_4_2"
  style="height: 24px; margin-top: 0px; z-index: 43; width: 24pxpx;"
  onmouseout="calendar_information_fixed_show();
  calendar_highlight_hovered(false, '4', '2');
  calendar_information_hover_clear();"
  onmouseover="calendar_information_fixed_hide();
  calendar_highlight_hovered(true, '4', '2');
  calendar_information_hover_set( '4', '2', '1', 1966, '4_2_1',
  'CALENDAR_ITEM');" onClick="calendar_information_fixed_set();">
</div>
```

When clicked on div a link will be generated:

```
<a onclick="javascript: FieldFocused(64, 'Sec_RE.RE002_edfinage', '');"
href="#"> Education </a> (1952)
```




Problems and solutions

Calling php

- Browser doesn't like you calling other servers
- Not possible to install php on same server/port as Blaise IS

Solution is to have an asp script on the Blaise IS server to forward the requests for you.



Problems and solutions forward.asp

```
<%  
Dim objXMLHTTP  
Dim contents  
Dim x  
Dim URL  
contents = ""  
For x = 1 to Request.Form.Count  
    contents = contents & "&" & Request.Form.Key(x) & "=" &  
Request.Form.Item(x)  
Next  
URL = "http://someserver/lhc_ajax.php"  
    Set objXMLHTTP = CreateObject("Microsoft.XMLHTTP")  
    objXMLHTTP.Open "POST", URL, false  
    objXMLHTTP.setRequestHeader "Content-Type","application/x-  
www-form-urlencoded"  
    objXMLHTTP.Send contents  
    Response.Write objXMLHTTP.responseText  
    Set objXMLHTTP = Nothing  
%>
```



Problems and solutions

Speeding up a questionnaire

At the end of each section we set a Timestamp field:

```
TimeStampEnd / "END TIMESTAMP SECTION": TIMETYPE
```

In each section this field is called using the rules:

```
TimeStampEnd.keep  
IF (TimeStampEnd = EMPTY) THEN  
    TimeStampEnd := SYSTIME  
ENDIF
```

This TimeStampEnd is used to set a new section on route only when a previous section is finished.

```
IF (Sec_W.TimeStampEnd <> empty) THEN  
    Sec_X  
ENDIF  
IF (Sec_X.TimeStampEnd <> empty) THEN  
    Sec_Y  
ENDIF
```

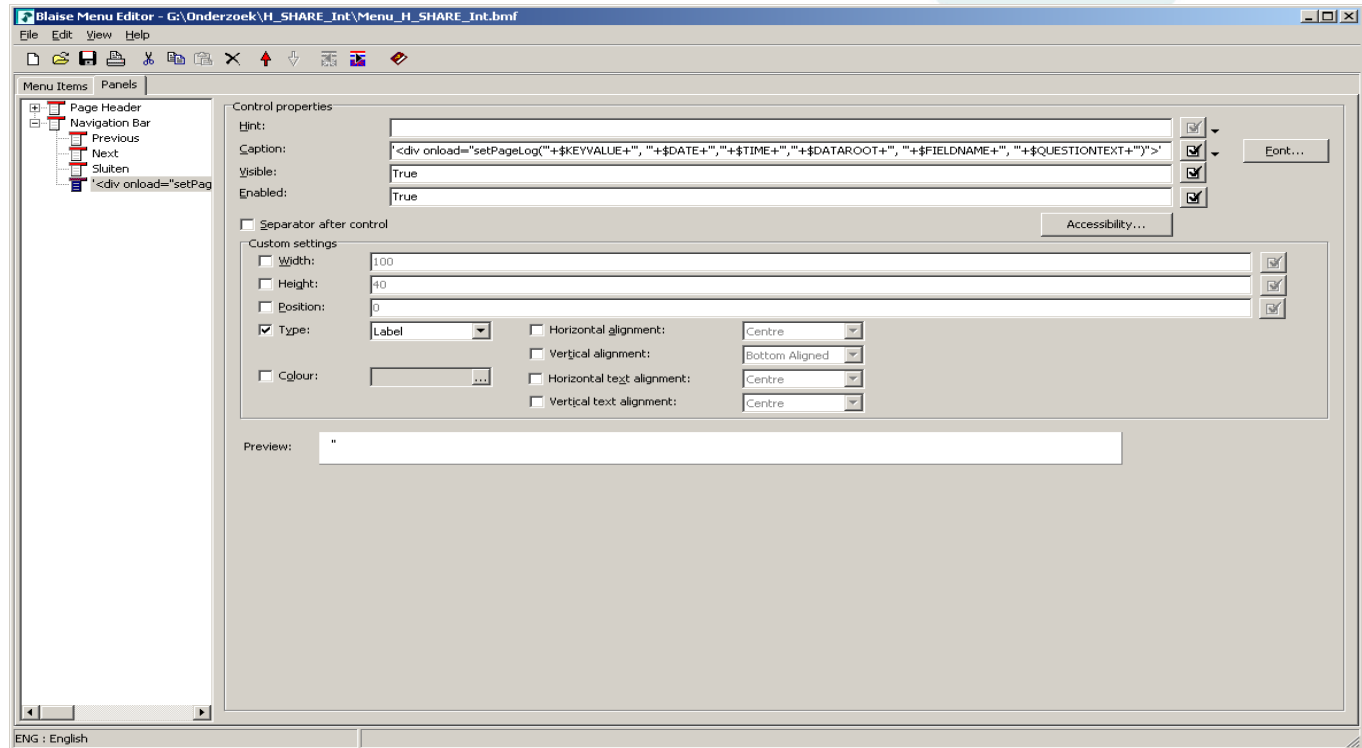


Spin-offs

Towards a testing environment?

1. Define new control in Blaise Menu Editor

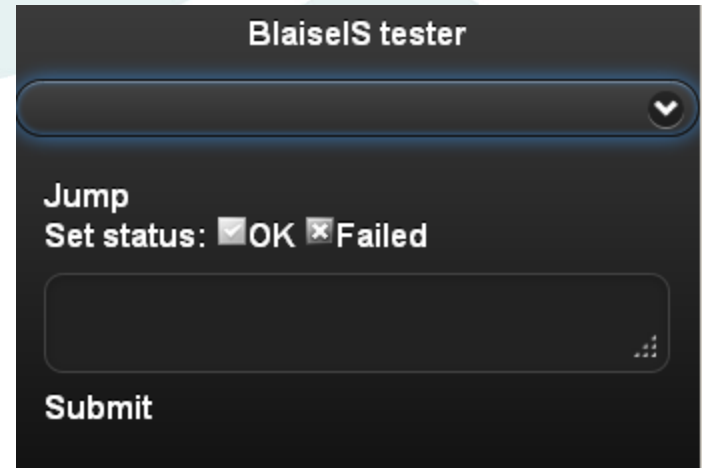
Caption: '<div onload="setPageLog(""+\$KEYVALUE+"',
""+\$DATE+"',""+\$TIME+"',""+\$DATAROOT+"',
""+\$FIELDNAME+"', ""+\$QUESTIONTEXT+"')">'





Spin-offs

Towards a testing environment?



App floats over your questionnaire.
It allows you to directly jump back to any location you've visited.
Attach messages to questions



Spin-offs

Keylogger

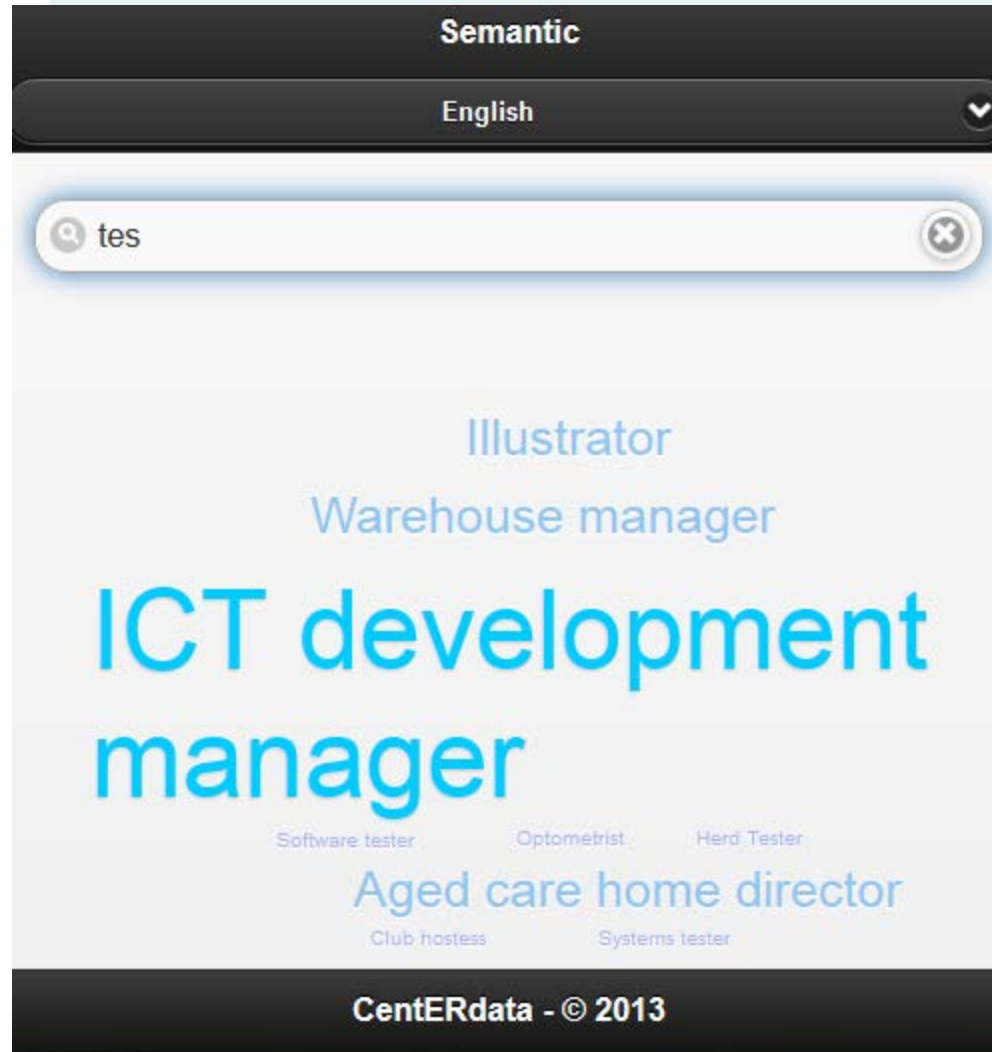
```
jQuery(document).on('keydown', function(e) {  
    var obj = {  
        "keyvalue" : keyvalue,  
        "type" : e.type,  
        "timeStamp" : e.timeStamp,  
        "keyCode" : e.keyCode,  
        "shiftKey" : e.shiftKey,  
        "ctrlKey" : e.ctrlKey,  
        "altKey" : e.altKey,  
    };  
    $.post("server.php",{json:JSON.stringify(obj)});  
});
```

Will post every keypress with timestamp to server.php.



Spin-offs

Semantic





Questions?





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