Experience with Blaise 5
Layouts and Templates

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Overview

- Research, learn, and test many of the Blaise 5 layout and template features.

- Familiarize ourselves with the different features for implementing templates in the Blaise 5 software.
Overview

- Identify how current functionality in Blaise 4 instruments can be made available using Blaise 5.

- Identify lost functionality that the interviewers are familiar with (if any).
Development Approach

- Develop the 2010 Census Short Form
- Use current laptops (hp Revolve 810)
- Initial solution developed from the paper form

- Meetings -> implementing changes
- Hands on sessions -> implementing suggestions
- Sponsor views -> implementing suggestions
Design Approach

Keep the parallel tabs area

Allow 2-3 questions per screen

Interview seems slow having only 1 question per screen and it leaves a lot of “white” space

Hit the server after each question
Design Approach

Use dedicated screen space for signals and error messages

Display the DK and RF as buttons for selection if they are valid answer options
Implementation

Template features available in Blaise 5 incorporated

- Highlight active field in table.
- Auto-Advance for radio buttons.
- Adjust length & width of error messages.
- Keep Status bar using minimum information, incorporate info tab for additional information.
- Use translatable pictures for Navigation in Status Bar.
Features Researched

Toggle Visibility

- Help
- Flashcards
- Don’t Know and Refusals
Features Researched

- Tooltip
  - Use for Help
  - Incorporated a large amount of text to verify display
- Hover only appears to work when using a keyboard mouse. Considering touch, the lack of the cursor on mobile devices was a concern for this feature.
Features Researched

Buttons

- Buttons provide a lot of flexibility
- Initially, buttons incorporated in the question text didn’t appear to display in IE and Chrome internet browsers
- Additional work in the templates seemed to make them appear as expected
Templates

Everything that is presented visually requires work in the Templates.

Master Template
Custom
Receipt page
Field pane
Data Value
Category
Edits/Errors

When displaying...

- Avoid screen expansion
- Avoid introducing scrolling
- Pop-up box not available due to incompatibility across multiple platforms

Implementation

- Remove excess lines at the top of the screen and reserve space in that area for errors
Enhancements

- Allowed the addition of HH members
- Use of Arrow keys to move between questions
- Signal for same-sex partners and age
Date Of Birth

- Age drop-down
- Determine start year
- Use of Pre-filled dates (January 1, YYYY)
- Provided a signal if default date of January 1 is not changed
Initially considered prefill of Month/Day values with the year populated based on age entered.

Concluded it’s best not to prefill the date of birth and allow entry for DOB then age.
Navigation
For up and down arrows, implement the shortcut key assignments:

- In the resource editor, select your master template(s), the very first row (Master Page Template), select the events tab.
- Click on the icon for edit shortcuts.
- Add OnCtrlUp (keystroke) and add OnCtrlDown(keystroke).
- For OnCtrlUp, assign the action Previousfield, for OnCtrlDown, assign the action Nextfield.
Navigation

Use translatable pictures (arrows) to reduce the wordiness on the status bar.
Tables in Templates

- Initially, it didn’t seem that we could clearly identify the active field with the color change.

- Displaying the Question Text in a table
Tables

- Jumping issue when the answer options were different sizes.
- Displaying the entire answer of a drop down
- Making the connection of rules and template variables
<table>
<thead>
<tr>
<th>##</th>
<th>Status</th>
<th>First Name</th>
<th>MI</th>
<th>Last Name</th>
<th>Gender</th>
<th>Related</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Added</td>
<td>firstname1</td>
<td>1</td>
<td>lastnamefamily</td>
<td>M</td>
<td>Reference person</td>
</tr>
<tr>
<td>2</td>
<td>Added Returned from school or college</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Husband or wife</td>
</tr>
<tr>
<td>3</td>
<td>Added Returned from institution</td>
<td></td>
<td></td>
<td></td>
<td>FI</td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td>4</td>
<td>Added Entered because of marriage/separation/divorce</td>
<td></td>
<td></td>
<td></td>
<td>M</td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td>5</td>
<td>ADDed Person entered household for reasons other than above</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td></td>
<td>DELeted Person died</td>
<td></td>
<td></td>
<td></td>
<td>F I</td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td></td>
<td>Deleted Left for school or college</td>
<td></td>
<td></td>
<td></td>
<td>F I</td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td></td>
<td>Deleted Entered institution</td>
<td></td>
<td></td>
<td></td>
<td>F I</td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td></td>
<td>Deleted Left because of marriage/separation/divorce</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td></td>
<td>Deleted Person left household for reasons other than above</td>
<td></td>
<td></td>
<td></td>
<td>F I</td>
<td>Biological son or daughter</td>
</tr>
<tr>
<td></td>
<td>Deleted Visitor</td>
<td></td>
<td></td>
<td></td>
<td>F I</td>
<td></td>
</tr>
</tbody>
</table>
We found that incorporating the layout setting is still time consuming.

- Using “promote” for each setting proved to consume a lot of time.
- This required 90 promote picks
- Another challenge we encountered is identifying the best way to handle different data types in the table.
External Calls

- Help
- Flashcards
  - Must work on all devices
    - CHM
    - PDF (Needs parameters from command line)
    - Hover over capability
**Lookup Table**

Enter State first letter for lookup

Press 9 for the full list screen of states.

Select state then next to continue.

<table>
<thead>
<tr>
<th>STATEABREV</th>
<th>STATEText</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL</td>
<td>Alabama</td>
</tr>
<tr>
<td>AK</td>
<td>Alaska</td>
</tr>
<tr>
<td>AZ</td>
<td>Arizona</td>
</tr>
<tr>
<td>AR</td>
<td>Arkansas</td>
</tr>
<tr>
<td>CA</td>
<td>California</td>
</tr>
<tr>
<td>CO</td>
<td>Colorado</td>
</tr>
<tr>
<td>CT</td>
<td>Connecticut</td>
</tr>
<tr>
<td>DE</td>
<td>Delaware</td>
</tr>
<tr>
<td>DC</td>
<td>Dist. of Columbia</td>
</tr>
<tr>
<td>FL</td>
<td>Florida</td>
</tr>
<tr>
<td>GA</td>
<td>Georgia</td>
</tr>
<tr>
<td>HI</td>
<td>Hawaii</td>
</tr>
<tr>
<td>ID</td>
<td>Idaho</td>
</tr>
<tr>
<td>IL</td>
<td>Illinois</td>
</tr>
<tr>
<td>IN</td>
<td>Indiana</td>
</tr>
<tr>
<td>IA</td>
<td>Iowa</td>
</tr>
</tbody>
</table>

**END 1:38 PM**
Remarks

- Access using a single touch motion
- Without use of the keyboard.
  - A Green “R” is displayed to allow touch for entry of a remark.
  - Once a remark has been entered, the paperclip is displayed.

- The remarks feature works well.
| **DOB** |   |   |   |   |
| **Age** |   | Select a value |
| **Race** | White | American Indian or Alaska Native |
|          | Hispanic, Latino, Spanish | Middle Eastern or North African |
|          | Black or African Am. | Native Hawaiian or Other Pacific Islander |
|          | Asian | Some Other Race, ethnicity, or origin |

| **Age** | Select a value |
|         | 10 |
Tools Incorporated

Calculator
Calendar
Watch Window
Audit Trail
Notes Editor (Need to pass in parameter)

- Would like these accessible from a menu option in the template. Sponsors didn’t like that the tools page covers the entire screen.
### Audit Trail Output

#### EventData Table

<table>
<thead>
<tr>
<th>SessionId</th>
<th>InstrumentId</th>
<th>TimeStamp</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>07ada9b7-3be7-418f-8e18-ac56e622a842</td>
<td>375f65-c171-4c17-811b-c2212e197988</td>
<td>2014-07-18 10:18:37...</td>
<td></td>
</tr>
<tr>
<td>07ada9b7-3be7-418f-8e18-ac56e622a842</td>
<td>375f65-c171-4c17-811b-c2212e197988</td>
<td>2014-07-18 10:18:08...</td>
<td></td>
</tr>
<tr>
<td>07ada9b7-3be7-418f-8e18-ac56e622a842</td>
<td>375f65-c171-4c17-811b-c2212e197988</td>
<td>2014-07-18 10:18:08...</td>
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<td>375f65-c171-4c17-811b-c2212e197988</td>
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<td></td>
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<td>07ada9b7-3be7-418f-8e18-ac56e622a842</td>
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<td></td>
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</table>
Items addressed by Statistics Netherlands

- Data Synching
- Bug where a swipe action was executed multiple times
- Problem with not creating Audit Trail StartSessionEvent if RunMode=ThickClient
- Selecting Text to AutoAdvance
Items to be addressed by Statistics Netherlands

- Selection of Auxfields in a group for the Watch Window tool

- Ability to add a drop-down box in the templates. (Sept 2016)
Concerns

- Response Value Template
- Text labels on buttons
- “Need answer” errors
- Print
- Tables
- Answer Required
- Fills
Observation

- Buttons
- Fonts
- Layouts
- Tooltip
- Watermarks
- Multimode
Summary

Is this a house, apartment, or mobile home?
- Owned by you or someone in this household with a mortgage or loan? Include home equity loans.
- Owned by or someone in this household free and clear (without a mortgage or loan)?
- Rented?
- Occupied without payment of rent?

Please enter your phone number.

Jump to last unanswered question
Thank You

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