

# The Many Faces of F1

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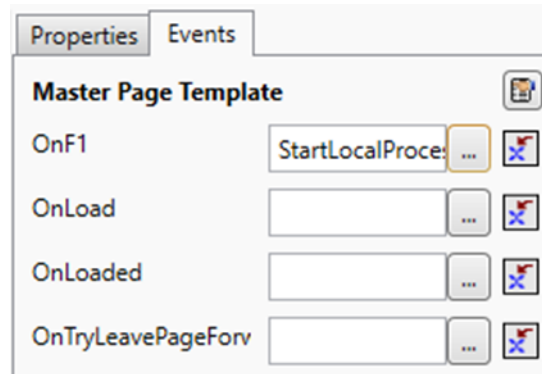
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# Press F1 for help

- While F1 to show the help page is kind of "standard" in our Blaise 4 CAPI, we have other options in Blaise 5.
- We can use the same techniques to display other materials like show cards that we often need in interviewer-administered surveys.
- We are going to share our use of different triggers in Blaise 5 and the types of actions that support the needs of displaying supplementary survey materials that go beyond CAPI.

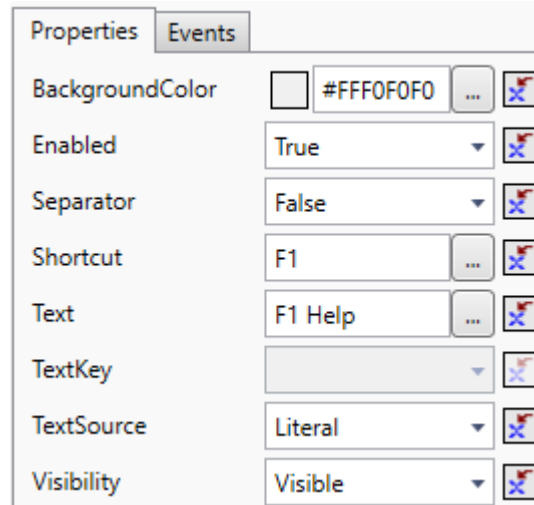
# Triggers - Keyboard shortcuts

- We can use template shortcut key events to define actions that display help text.
- Example:



# Triggers - Menu items

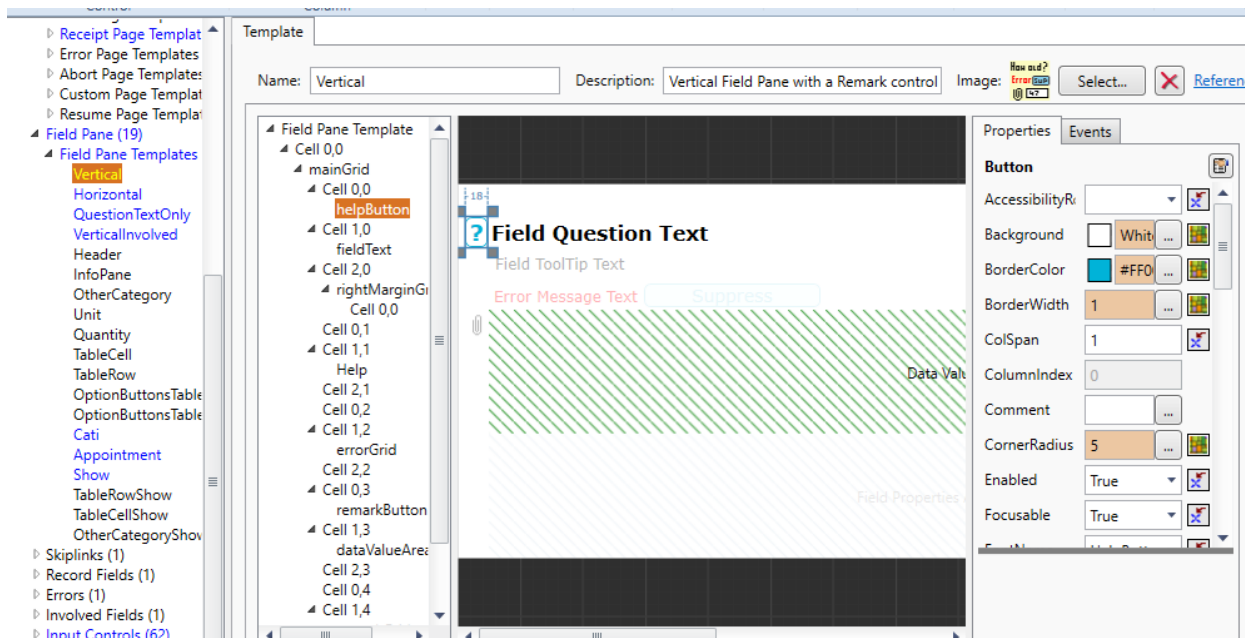
- Menu item events with a menu control to define actions.
- The shortcut property in a menu item to define an accelerator key that works just like a keyboard shortcut.
- Example:



# Triggers - Buttons

- Display help text associated with a page, a field, a response category, or even a table column header.

- Example:



# Triggers - Hyperlink tag

- Supports the OnClick attribute where we can define actions.
- Field text in the FIELDS section of the data model.
- Example:

```
Q2 (Q2)
"This is an example for online help.<right>
<hyperlink Name="helplink" Text="HELP"
  OnClick="{Action
    StartLocalProcess('C:\\Windows\\hh.exe',
      'mk:@MSITStore:C:\\Help\\Help.chm:./RespondentHelp.htm',
      ', True, Normal) }\"
>Help</hyperlink></right>"
: (OK)
```

# Actions - StartLocalProcess action

- As long as we can find a local program that can display additional materials.

- Examples:

- To display HTML-Help with topic identifier
  - {Action StartLocalProcess('C:\\Windows\\hh.exe', 'mk:@MSITStore:C:\\Documents\\Help.chm:/RespondentHelp.htm', ", True, Normal)}
- To display a JPEG file in MS Edge
  - {Action StartLocalProcess('C:\\Program Files (x86)\\Microsoft\\Edge\\Application\\msedge.exe', '--app=&quot;C:\\Documents\\English\_2022\_PP\_16\_593x730.jpg&quot;', ", True, Normal)}
- To display a PDF file in MS Edge at a particular page|
  - {Action StartLocalProcess('C:\\Program Files (x86)\\Microsoft\\Edge\\Application\\msedge.exe', '--app=&quot;C:\\Documents\\Help\\LayoutDesigner\_Tutorial\_PartI.pdf#page=5&quot;', ", True, Normal)}

# Actions - GotoUri action

- Works for both web page and local file.
- Examples:
  - To go to a web page
    - `{Action GotoUri('https://www.westat.com/about-westat')}`
  - To go to a local file
    - `{Action GotoUri('C:\\Documents\\Help\\HTM\\RespondentHelp.htm')}`



# Actions - ToggleVisibility action

- Text role for the help text and use the ToggleVisibility action to show and hide the role text.
- As many text roles as needed.
- From the default Blaise 5 resource database:

```
<TextRole>  
  <Name>Help</Name>  
  <Description>A comprehensive instruction for the respondent</Description>  
  <TextRoleType>UserDefined</TextRoleType>  
</TextRole>
```

```
<Button Name="helpButton" ... OnClick="{Action  
ToggleVisibility('Help')}">
```

# Example 1

## Menu bar item + StartLocalProcess action

- Text role "HelpFile" serves as the topic identifier in HTML-Help.

```
<TextRole>  
  <Name>HelpFile</Name>  
  <Description>The help text file name.</Description>  
  <TextRoleType>UserDefined</TextRoleType>  
</TextRole>
```

Q1 (Q1)

"This is an example of showing help text with Menu (F1 Help). Please click the menu bar item or press F1.<br>"

HelpFile "LIVEUSHelp"

: (OK)

## Example 1

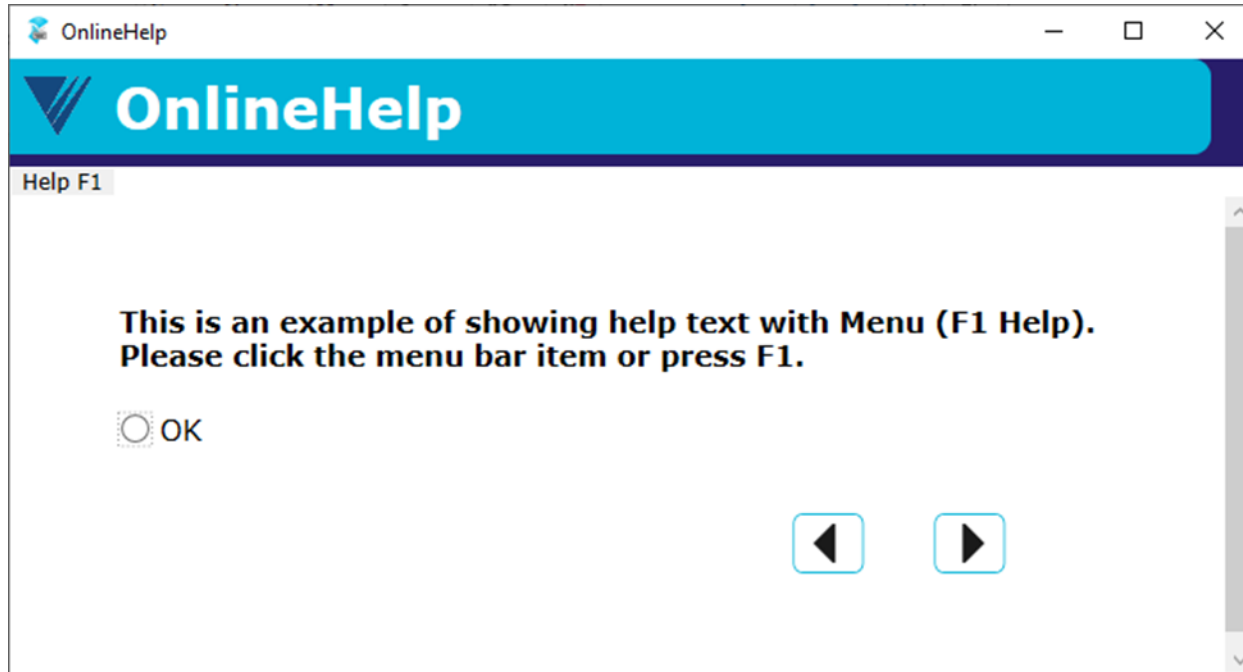
### Menu bar item + StartLocalProcess action, cont.

- Menu item in the Master Page Template
  - "F1" in its Shortcut property
  - Active field's "HelpFile" role text determines visibility
  - OnClick event has StartLocalProcess action to run the local program "hh.exe"

```
<MenuItem Text="Help F1" Shortcut="F1" Visibility="{Expression IF
Page.ActiveField.RoleTextExists('HelpFile') = True THEN 'Visible' ELSE
'Collapsed' ENDIF}" OnClick="{Action Conditional({Expression
Page.ActiveField.RoleTextExists('HelpFile') = True},{Action
StartLocalProcess('C:\\Windows\\hh.exe',{Expression
'mk:@MSITStore:C:\\Documents\\Help.chm:/' +
Page.ActiveField.GetRoleText('HelpFile') +
'.htm'},',',True,Normal)}),'')}" />
```

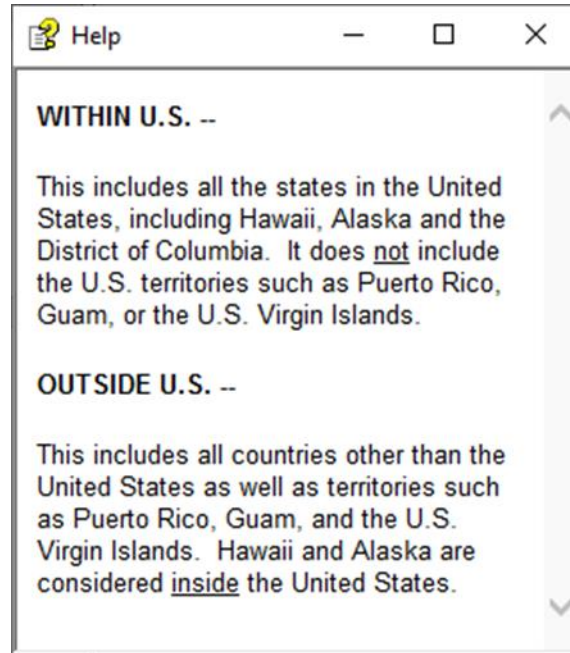
# Example 1

## Menu bar item + StartLocalProcess action, cont.



# Example 1

## Menu bar item + StartLocalProcess action, cont.



## Example 2

# Keyboard shortcut + StartLocalProcess action

- Continuing with what we built above, we add text role "HelpPage"

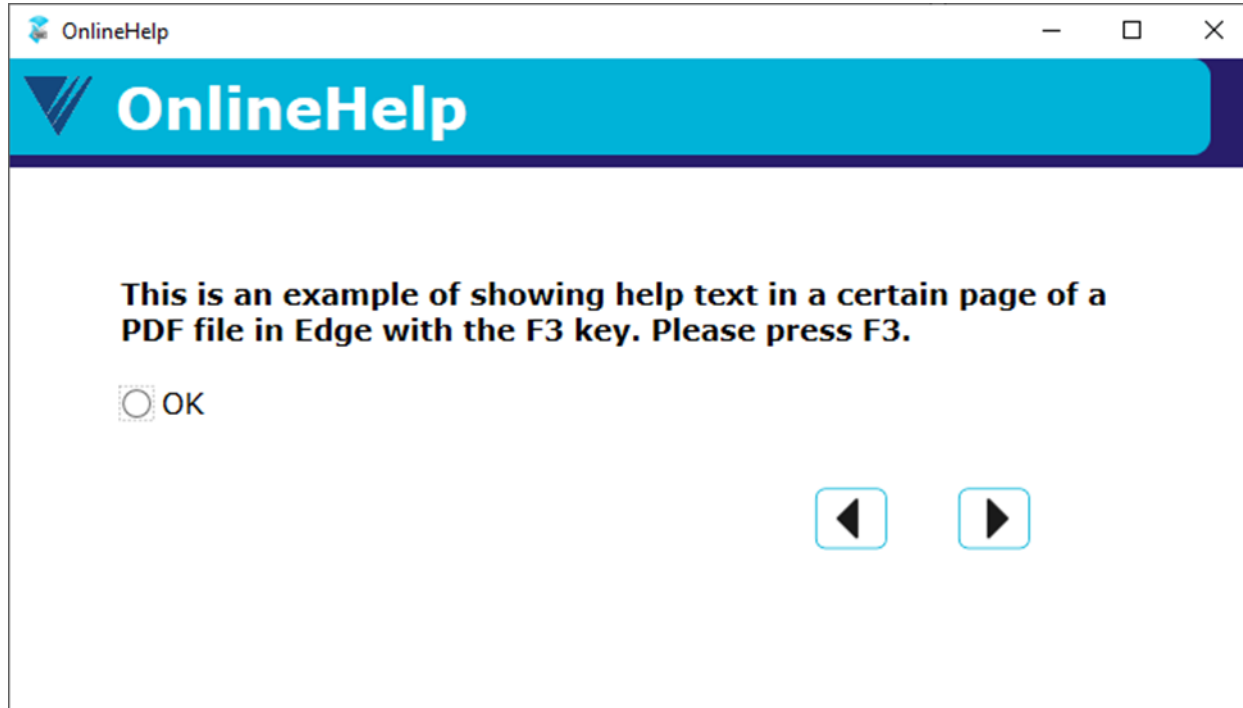
```
Q3 (Q3)
"This is an example of showing help text in a certain page of a PDF file in Edge with the F3 key. Please press F3.<br>"
HelpPage "30"
: (OK)
```

- And add shortcut key F3 to the Vertical Field Pane Template

```
<Shortcut Key="F3" OnExecute="{Action Conditional({Expression
Field.RoleTextExists('HelpPage') = True},{Action
StartLocalProcess('C:\\Program Files
(x86)\\Microsoft\\Edge\\Application\\msedge.exe',{Expression '--
app=&quot;C:\\Documents\\Help\\Blaise.pdf#page=' +
Page.ActiveField.GetRoleText('HelpPage') +
'&quot;'},',',True,Normal)},','')}" />
```

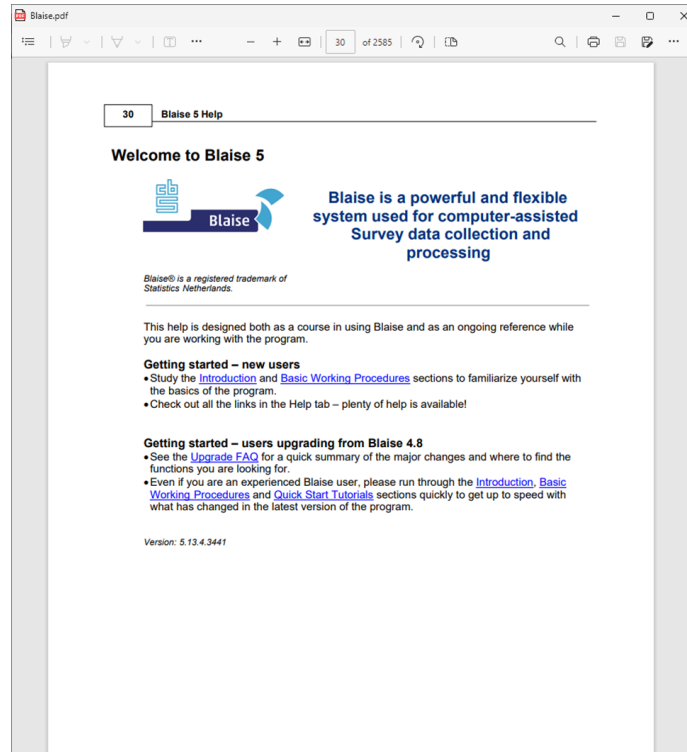
## Example 2

### Keyboard shortcut + StartLocalProcess action, cont.



# Example 2

## Keyboard shortcut + StartLocalProcess action, cont.

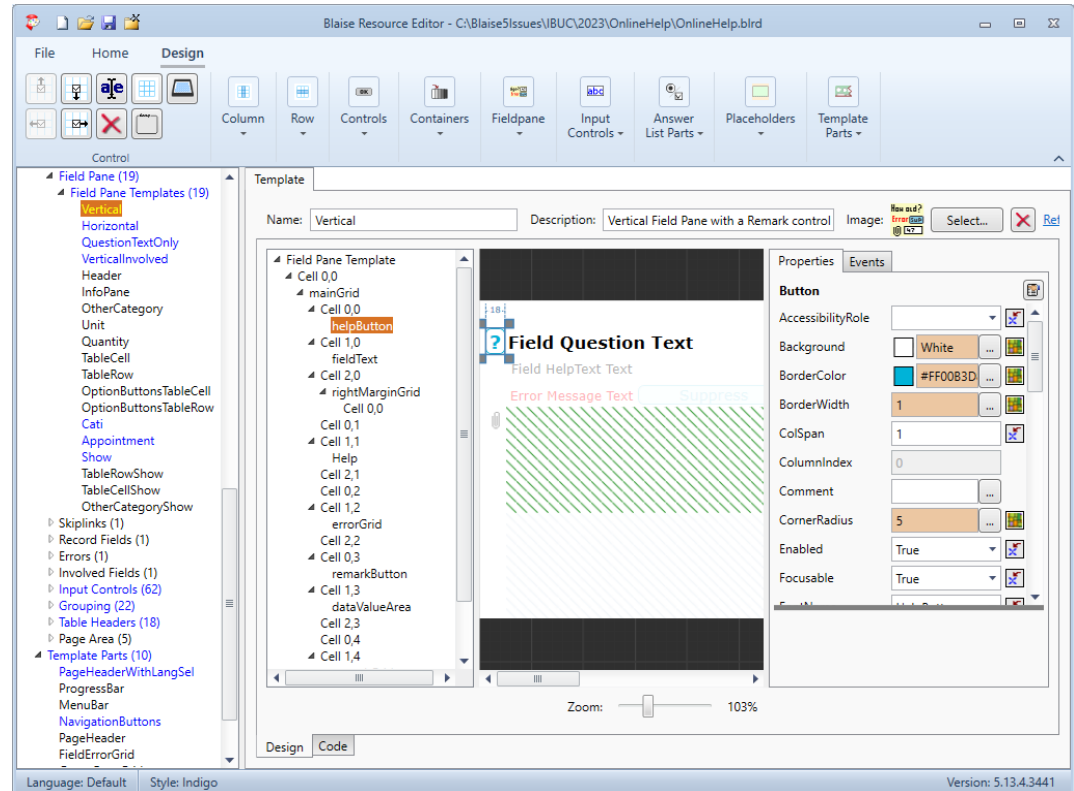




# Example 3

## Button to toggle role text visibility

- “helpButton” in the Field Pane Template



## Example 3

### Button to toggle role text visibility, cont.

- OnClick event shows or hides the HelpText

```
<Button Name="helpButton" Visibility="{Expression IF  
LEN(Field.GetRoleText('HelpText')) = 0 THEN 'Hidden' ELSE 'Visible'  
ENDIF}" HorizontalAlignment="Center" Background="{Style  
HelpButtonBackGround}" Margin="{Style HelpButtonMargin}" Width="{Style  
HelpButtonWidth}" Height="25" ScreenReaderText="Help"  
ToolTipFontName="ToolTip" OnMouseDown="{Action  
SetControlProperty('helpButton', 'Background', 'Brush', '{Style  
ButtonBackgroundSelected}')" OnMouseUp="{Action  
SetControlProperty('helpButton', 'Background', 'Brush', '{Style  
HelpButtonBackGround}')" Text="?" FontName="HelpButton"  
ScreenReaderTextSource="Literal" BorderWidth="{Style  
HelpButtonBorderWidth}" BorderColor="{Style HelpButtonBorderColor}"  
CornerRadius="{Style HelpButtonCornerRadius}" OnClick="{Action  
ToggleVisibility('Help')}">
```

## Example 3

### Button to toggle role text visibility, cont.

- In the data model, we define the role text “HelpText” for the field

Q5 (Q5) |

"This is an example for online help showing as role text in the same page. Please click on the blue "?" on the left."

HelpText "<p><strong>TIPS -</strong></p>

<br>Here are some tips to keep in mind when completing the survey:

<br><br>• Complete the survey on a desktop or laptop computer using Chrome, Edge, or Safari, if possible.

<br>• Use the "Next" and "Back" buttons at the bottom of the screen to move through the survey. Do not use your browser arrows.

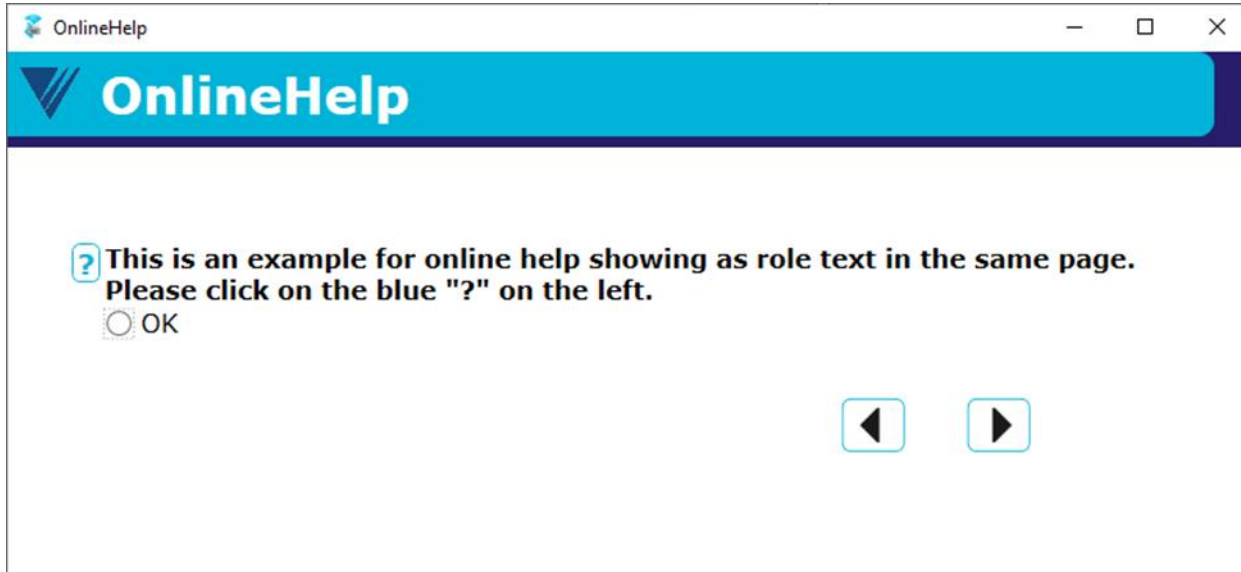
<br>• You may skip any questions that you do not want to answer.

<br><br>Please click on the "Next" button below to start the survey.<br>"

: (OK)

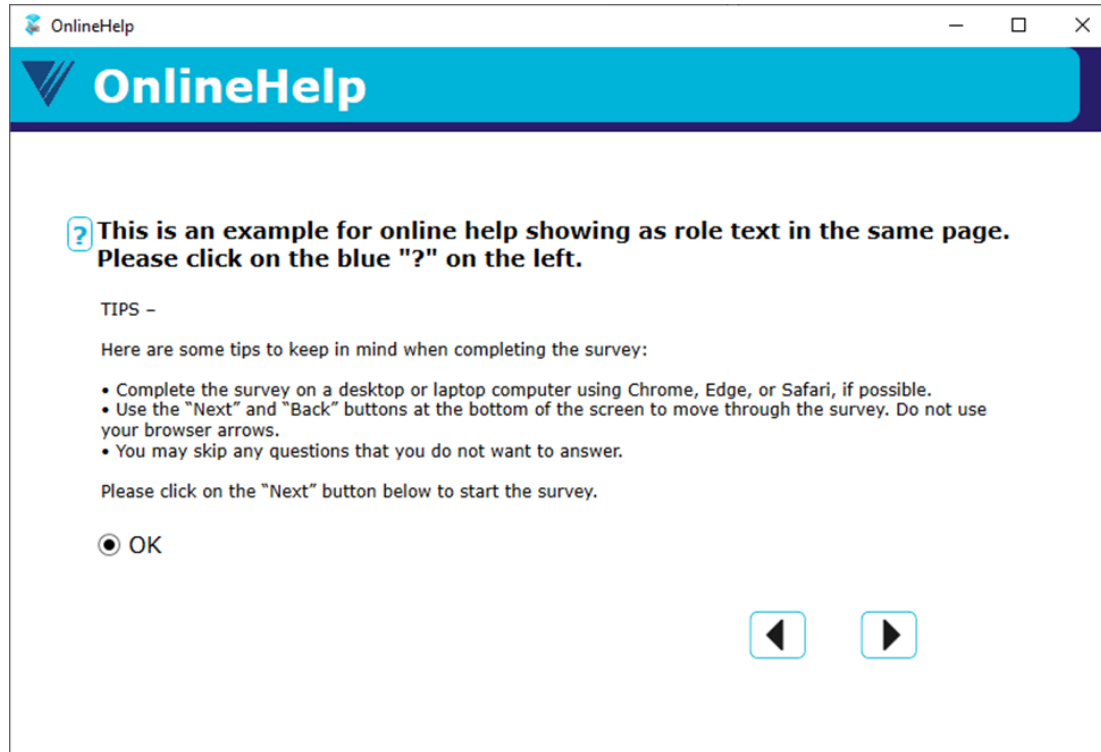
## Example 3

### Button to toggle role text visibility, cont.



## Example 3

# Button to toggle role text visibility, cont.



## Example 4

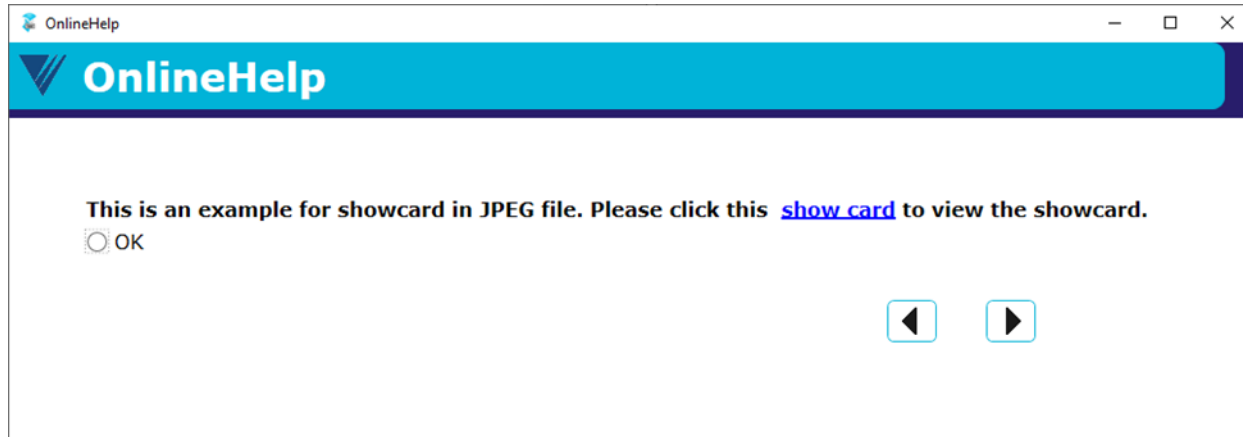
# Hyperlink in field text to display showcard

- Everything in the field text and not bother with the resource database

```
Q6 (6)
"This is an example for showcard in JPEG file. Please click this <blue>
<hyperlink
  OnClick="{Action
    StartLocalProcess('C:\\Program Files (x86)\\Microsoft\\Edge\\Application\\msedge.exe',
      '--app=C:\\Documents\\Showcards\\Showcards_English_2022_RE_3.jpg',
      '',True,Normal)}\\"
>show card</hyperlink></blue> to view the showcard."
: (OK)
```

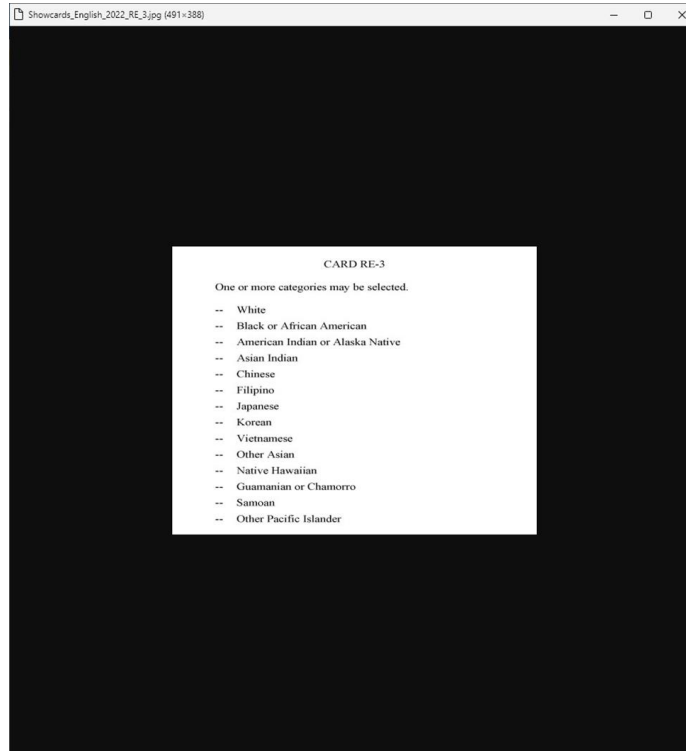
# Example 4

## Hyperlink in field text to display showcard, cont.



# Example 4

## Hyperlink in field text to display showcard, cont.





# Conclusions

- Can easily program supplementary materials in the field text without extra settings in the resource database.
- Setting up text roles, events, and actions in the resource database up front would be a more efficient way in large surveys.
- StartLocalProcess action works only in Windows, not in browsers.
- Too much help text on the page becomes more a distraction than help.