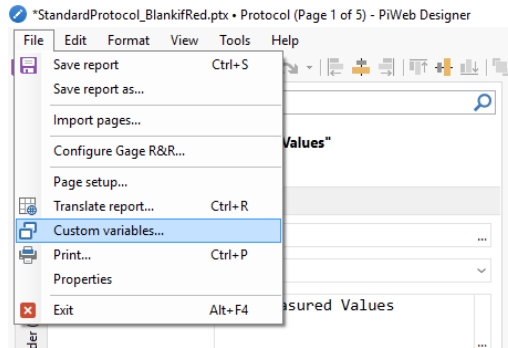


Create Blank PiWeb Report if Characteristics Fail

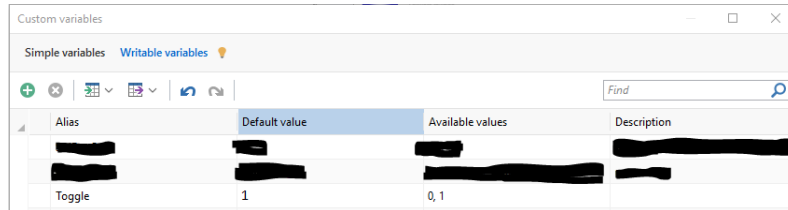
The end result of this will be a PiWeb report that appears blank if any characteristics fail inspection. Note that this process will not prevent a report from being generated. It will simply show a blank report unless all characteristics pass. I will also show steps to add a button to show the measured values is desired.

1. Create Toggle Variable

- a. With PiWeb Designer open navigate to “File” -> “Custom Variables” in the top tool bar.

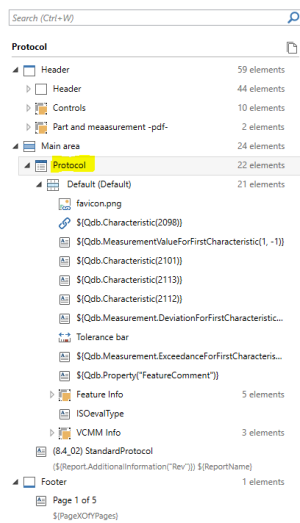


- b. In the Custom Variables window, click on the “Writable Variables tab”. In this tab, enter a name for the variable. I use “Toggle”. Also enter 1 for the default value and 0 and 1 into the possible values. The custom variables window can be closed.

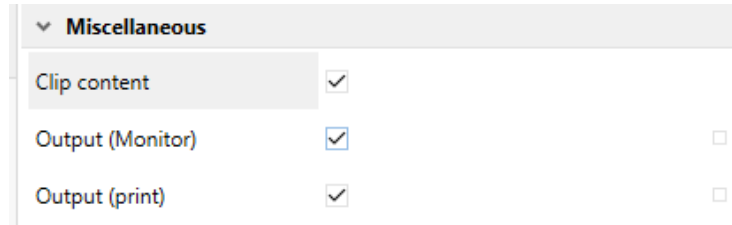


2. Modify table/protocol

- a. In the “Page Structure” tab on the left hand side of PiWeb Designer, click on the top level of your table or protocol. I have minimized the number of subfields in my protocol for legibility’s sake. You may have more.



- b. Click on “Properties” in the left hand side of PiWeb Designer to open the properties of the protocol. At the bottom of the Properties tab, there is a section labeled Miscellaneous. In Miscellaneous, there is a field labelled Output (Monitor).

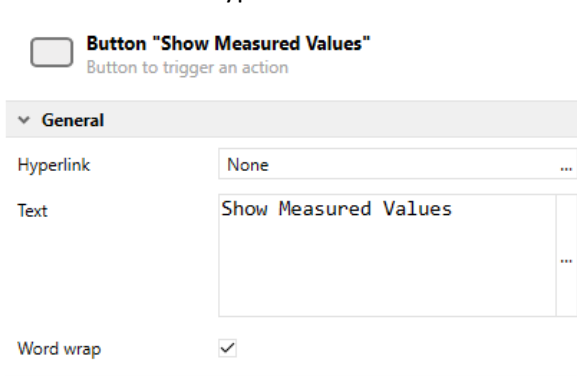


- c. Click on the smaller checkbox on the right hand side of the field. It is smaller and slightly harder to see. A text field will appear. Add the following text to that text field:

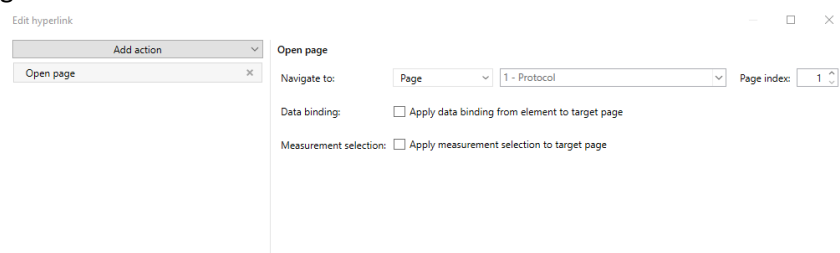
```
#{AnyOf(LessEqual(Qdb.MeasurementValues.Error,0), Equal(ToInt(Toggle), ToInt(0)))}
```

3. Add a “Show Measurement Button”

- a. This step is optional, but I am including it since you may want to see the failing values.
 b. From the toolbar on the left hand side, add a button element to the header of the report. Either right click on the button and select “Hyperlink”->”Edit Hyperlink” or left click on the button and click on properties on the left-hand side of the PiWeb Designer screen and click the button next to “Hyperlink”



- c. Two actions are going to be added to the button. The first is the “Open Page” action. You need to set the page to be opened as the current page. In most cases, this is going to be page 1.



- d. The other action that needs to be added is the “Write Variable Value” action. Add this action. For the variable to be written to, select the writable variable that you created. For the value to be written field, enter 0.



4. Demonstration

a. Below is an example of a measurement run with a few failing characteristics.

The screenshot shows the ZEISS CALYPSO software interface. The top left features the ZEISS logo and the text 'ZEISS CALYPSO 7.6.08'. Below this, there are two columns of information. The left column lists fields: Part name, Drawing number, Order number, Variant, Company, Department, CMM Type, CMM No., Operator (with the value 'Master'), and Text. The right column has a 'Show Measured Values' button and a table of statistics: 'Last 1 measurements' (Approval # Blocked), 'Part ident' (31), 'Time/Date' (10/28/2024 2:38 PM), 'Run' (All Characteristics), 'No. measured values' (20), 'No. values: red' (2), and 'Measurement Duration' (00:00:00.0). A magnifying glass icon is next to the 'No. values: red' value.

b. Below is the same failing report after the “Show Measured Values” button was clicked. Note that the report is now showing measured values.

This screenshot is similar to the previous one but with the 'Show Measured Values' button highlighted. The statistics table now includes '1 Measurements selected' and 'No. values: red' (2). The 'Operator' field is now visible and contains the name 'Master'.

c. Below is an example of a measurement run with no failing characteristics.

This screenshot shows a successful measurement run. The 'Show Measured Values' button is highlighted. The statistics table shows '1 Measurements selected', 'Part ident' (27), 'Time/Date' (10/21/2024 9:49 AM), 'Run' (All Characteristics), 'No. measured values' (19), 'No. values: red' (0), and 'Measurement Duration' (00:00:00.0). The 'Operator' field is visible and contains the name 'Master'.