Validation Test Script

9_Branching Logic

System Setup

REDCap Version	LTS 10.0.5	**Application URL**	https://www.mc.vanderbilt.edu/victr/dcc/redcap/demos/ https://redcaprsvc.app.vumc.org/
Browser Version	Google Ver 88.0.4324.182	**OS Version**	Windows 10
Actual Execution Time	20 mins		
Instructions	Reference User Guide for Community User		

Test Summary

Feature Category Description: Data Integrity - *Ensures accuracy and consistency of the data collected in the REDCap database.*

Test Purpose Details: This test script validates branching logic is working appropriately for surveys and data entry forms.

Functional Requirements:
- Branching logic
  - 9.1 - 9.12 The system shall support branching logic for data entry forms.

Test Requirements

Test Users

ID	User Name	Password	Minimum User's Rights	DAGs and Other Settings
1.	admin1005	Pswd_1103	Administrator	Pre-existing administrator user
2.	user1005_1	1005_1Pswd	Normal user can create projects. User has project design and setup rights.	
3.				
4.				

Project Setup

ID	Description	Instructions

1.	Project: 9_BranchingLogic_v1005	Project created during script 7
2.	Project Setup:	Disable longitudinal data collection. Enable surveys in this project. Enable the 'Data Types' as a survey. Delete the 'Text Validation, 'Demo Branching' and "Data Dictionary' instruments

Test Steps

Step #	Action Step	Expected Result	Pass / Fail	Comments
Help	*You must perform the actions listed in this column.*	*After performing the actions in the 'Action Step' column, you should see the following.*	*Check 'Pass', if the actual results match the 'Expected Result'; otherwise, check 'Fail'.*	*Include unexpected results, suggestions. etc.*
1.	Login as user1005_1 Click on '9_BranchingLogic_v1005' In the Online Designer, click on the 'Data Types' instrument Click on the green Branching Logic icon for the first field after the Record ID field. Using the Drag-N-Drop Logic Builder, select 'record_id' from the field choices on the left hand side and drag it to the right side. In the dropdown field next to record_id, select = and type 999 in the empty field so the logic is defined as "record_id = '999'" Click Save Repeat for remaining fields with the exception of the Calculated Field.	User is able to login Project Opens The Data Types instrument opens. Add/Edit Branching Logic window opens Field appears under "Show the field only if…" The logic appears as "Show the field only if… record_id = 999" The field now has "[Branching logic exists]" displayed in red font. Field now have "[Branching logic exists]" displayed in red font.	☐ **Pass** **Fail** ☐	

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2.	Click 'Survey Distribution Tools'	The Survey Distribution Tools page opens		
	Click 'Open Public Survey'	The public survey opens and the only field that is shown is the calculated field.		
	Do not submit but close survey tab.	An alert notification appears asking you to confirm that you would like to leave the site	☐ **Pass**	
	Confirm leave.	Survey closes.	**Fail ☐**	
3.	Click 'Add / Edit Records'	The Add / Edit Record page displays.	☐ **Pass**	
	Click 'Add new record'	The only field that is shown is the calculated field.	**Fail ☐**	
4.	Click Modify instrument	An alert notification appears asking you to confirm that you would like to leave the site.	☐ **Pass**	
	Click Leave	The 'Data Types' instrument opens in the Online Designer	**Fail ☐**	
5.	Starting with the first field (ptname) after the Record ID field, click the green Branching Logic icon.	Add/Edit Branching Logic window opens		Applied to rest of the field when prompted: This branching logic is shared by multiple fields. Would you like to automatically update those fields now?
	In the 'Advanced Branching Logic Syntax' section, replace the = with <> so the logic now reads "record_id <> '999'"	The logic appears as "Show the field ONLY if… "record_id <> '999'"		
	Click Save	Edit Branching Logic: "This branching logic is shared..."		
	Click No			
	Go to the branching logic for the next field (text2)	The branching logic is "record_id = '999'"		
	Replace the = with <> so the logic now reads "record_id <> '999'"			
	Click Save	Edit Branching Logic: "This branching logic is shared..."		
	Click Yes to automatically update the fields.	Online designer appears.		
	Verify all fields with the exception of the Calculated Field have branching logic of "record_id <> '999'"	With the exception of the calculated field, branching logic is saved and all fields have the	☐ **Pass** **Fail ☐**	

		specified branching logic listed in red font.		
6.	Click 'Survey Distribution Tools' Click 'Open Public Survey' Do not submit but close survey tab. Confirm leave.	The Survey Distribution Tools page opens The public survey opens and all fields are shown. An alert notification appears asking you to confirm that you would like to leave the site Survey closes.	☐ **Pass** **Fail** ☐	
7.	Click 'Add / Edit Records' Click 'Add new record'	The Add / Edit Record page displays. The Data Types instrument opens and all fields are shown.	☐ **Pass** **Fail** ☐	
8.	Click Modify instrument Click Leave	An alert notification appears asking you to confirm that you would like to leave the site. The Data Types instrument opens in the Online Designer	☐ **Pass** **Fail** ☐	
9.	Scroll down to the 'Descriptive Text with File' field and click the green Branching Logic icon. In the 'Advanced Branching Logic Syntax' section, click Clear logic. Click the 'Drag-N-Drop Logic Builder' radio button Using the Drag-N-Drop Logic Builder, select 'radio_button_manual = Choice101 (101)' from the field choices on the left hand side and drag it to the right side. Click Save Check Do not show this message again, then No.	Add/Edit Branching Logic window opens Branching logic is cleared Drag-N-Drop Logic Builder opens Field appears under "Show the field only if…" Edit Branching Logic screen displays Branching logic is saved. Branching logic for remaining fields is not changed.	☐ **Pass** **Fail** ☐	Did not apply to rest of the fields when prompted This branching logic is shared by multiple fields. Would you like to automatically update those fields now?

10.	Scroll down to the 'Required' field and click the green Branching Logic icon. In the 'Advanced Branching Logic Syntax' section, click Clear logic. Click the 'Drag-N-Drop Logic Builder' radio button. Using the Drag-N-Drop Logic Builder, select 'checkbox = Checkbox3 (3)' from the field choices on the left hand side and drag it to the right side. Click Save	Add/Edit Branching Logic window opens Branching logic is cleared Drag-N-Drop Logic Builder opens Field appears under "Show the field only if…" Branching logic is saved.	☐ **Pass** **Fail** ☐	
11.	Click 'Survey Distribution Tools' Click 'Open Public Survey' Scroll down to the Radio Button Manual field and select Choice101. Using the same field, select Choice99. On the Checkbox field, select Checkbox3. Using the same field, uncheck Checkbox3. Do not submit but close survey tab. Click Leave	The Survey Distribution Tools page opens The public survey opens. The Descriptive Text with File field displays. The Descriptive Text with File field no longer displays. The Required field displays. The Required field no longer displays. An alert notification appears asking you to confirm that you would like to leave the site. Survey closes.	☐ **Pass** **Fail** ☐	
12.	Click 'Add / Edit Records' Click 'Add new record' Scroll down to the Radio Button Manual field and select Choice101. Using the same field, select Choice99.	The Add / Edit Record page displays. The Data Types instrument opens The Descriptive Text with File field displays. The Descriptive Text with File field no longer displays. The Required field displays.	☐ **Pass** **Fail** ☐	

	On the Checkbox field, select Checkbox3. Using the same field, uncheck Checkbox3.	The Required field no longer displays.		
13.	Click 'Log Out' Click 'Leave without saving changes'	A message appears asking if you would like to save your changes. Returned to log in screen	☐ **Pass** **Fail** ☐	
	THIS ENDS THE TESTING FOR THIS SCRIPT			

Conclusion		
Did the Actual Results for each test step match the Expected Results listed?	**Yes**	No
Comments/Additional Information: (Indicate the step number of the step you wish to comment on.)		
Completed By	**Nidhi Jethoo**	**Date:** 2021-02-21