**F-001237**

**"Validation side bar tab for variability item"**



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| **Olena Zaporozhets** | Update according to I-017482 "Permissions for methods related to res. and validate selection" | 04/01/2020 |

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# Overview

This Document represents a test case suite for testing **F-001237 “Validation side bar tab for variability item”** and **I-009038 "Styles for validate selection tab"**.

List of user stories which are described in the test suite, acceptance tests and lists of covered checks:

**I-009022 "Add tabs component to validation tab"**

**Acceptance Criteria:**

* 3 tabs are displayed when user goes to validation sidebar tab in variability item.
* First and second tabs are blank. (not actual!)
* Old flat structure is displayed in the third tab.
* First tab should be named "Validate".
* Second tab should be named "Validate Selection".

**I-009023 "Validate results in validate tab"**

**Acceptance Criteria:**

* GIVEN user opens variability item WHEN user clicks on validation sidebar tab THEN Validate tab is displayed with already displayed validate result.

**I-009025 "Refresh button in Validate tab"**

**Acceptance Criteria:**

* Refresh button is displayed in Validate tab.
* GIVEN user1 located in validate tab of variability item and user2 did some changes which influence on validation result; WHEN user1 clicks on refresh button THEN validation result is refreshed.

**I-009626 "VM: Rename Validation and Resolution tab to Validation tab"**

**Acceptance Criteria:**

* Need to Rename Validation and Resolution tab to Validation tab

**I-009027 "Splitter in validate selection tab"**

**Acceptance Criteria:**

* Splitter should split the area into 2 parts in validate selection tab.
* User can select splitter using LMB and move it to the right or to the left side.

**I-009030 "Display validate selection result in right splitter pane"**

**Acceptance Criteria:**

* There is "Validate Selection" button at the bottom of validate selection tab.
* GIVEN user did some selections in selection tree in Validate Selection tab; WHEN user clicks on Validate Selection button THEN validation result is displayed in right splitter pane.

**I-009032 "Display structure in tree grid"**

**Acceptance Criteria:**

* GIVEN user opens Variability item. Item contains variability item structure with relevant features and options; WHEN user goes to Validate selection tab in validation sidebar tab THEN multi-level structure with Variability items, relevant features and options is displayed.
* User can collapse and expand each node in multi-level structure.
* If Variability item doesn't have features, variability item is not displayed.
* If Relevant feature doesn't have options, relevant feature is not displayed.

**I-009033 "Add formatter in validate selection with logic"**

**Acceptance Criteria:**

* User can select Option from tree in Validate Selection tab in Validation sidebar tab of Variability Item.
* User can select only one Option for feature.
* Formatter for Options in Feature should have behavior of radio buttons.
* WHEN user selects Option for feature, radio button also appears for feature and it is disabled.
* GIVEN feature is used in multiple variability items WHEN user selects option for the feature THEN selected option for the feature will be reflected in the structure everywhere the feature is used.
* GIVEN user clicked on option (Now, Opiton = 1); WHEN user clicks on this option again THEN option becomes unchecked (Option=0).

**I-009036 "Update "Get reasons" logic to use tree grid selection"**

**Acceptance Criteria:**

* There is "Get Reasons" button at the bottom of the validate selection tab.
* GIVEN user did some selection in tree grid of Validate selection tab; WHEN user clicks on Get Reasons button THEN Get Conflicts window is displayed in separate tab..

**I-010618 "Expand / Collapse all in validate selection tab"**

**Acceptance Criteria:**

* When user clicks on "Collapse all" button then structure is collapsed.
* When user clicks on "Expand all" button then structure is expanded.

**I-009038 "Styles for validate selection tab"**

**Acceptance Criteria:**

* GIVEN There are rules on Variability structure; WHEN user goes to Validate selection tab THEN not available options are displayed in tree in red color.
* GIVEN user in validate selection tab. There are rules on variability structure; WHEN user selects option THEN text of Not available option(s) become red.
* GIVEN user in validate selection tab. There are no rules on variability structure; WHEN user selects option for feature THEN the rest options in this feature are not displayed in red color.
* GIVEN user in validate selection tab. There are rules on variability structure; WHEN user selects not available option in one feature THEN only not available options in this feature displayed in red color.

**I-010058 "VM:Search grid has all items from DB (for VI,BdI and Components)"**

* Search grid does not download all items from DB.

Turn on Auto search.

Set Default page size to 25.

**I-017482 Permissions for methods related to res. and validate selection.**

**Acceptance Criteria:**

* Verify that any user can validate selection.

Steps highlighted in yellow are covered with component tests.

Steps highlighted in green are covered with selenium tests.

Steps highlighted in blue are covered with integration tests.

Steps highlighted in orange are covered with unit tests.

# Functional Tests

## Add tabs component to validation tab

|  |  |
| --- | --- |
| **Test#:** | F-001232-01 |
| **Purpose:** | To test tabs сomponent on Validation tab |
| **Original requirements:** | [I-009022 "Add tabs component to validation tab"](https://myinnovator.com/?StartItem=sa_Issue:F6A2768205CA4EBE9153556F36B4C59F) |
| **Execute** | Yes |
| **Setup** | * Apply **VM\_Structure.aml** as **admin** |
| * 1. Login as admin   ***3 tabs are displayed when user goes to validation sidebar tab in variability item.***   * 1. Go to **Variants Management** -> **Variability Items** in navigation panel and choose **Search Variability items**   2. Search for **TestVI1** and open it   3. Go to **Validation**  tab      1. Confirm that 2 tabs are displayed   ***First tab should be named "Validate".***  ***Second tab should be named "Validate Selection".***   * + 1. Confirm that first tab is named “Validate”   1. Go to second tab      1. Confirm that the second tab is named “Validate Selection” | |

## Validate results in validate tab

|  |  |
| --- | --- |
| **Test#:** | F-001232-02 |
| **Purpose:** | To test validate results in validate tab |
| **Original requirements:** | [I-009023 "Validate results in validate tab"](https://myinnovator.com/?StartItem=sa_Issue:A12A6550793243AB8CF2930CDE86F2DC) |
| **Execute** | Yes |
| **Setup** | * 1. Open TestVI1, TestVI2 and TestVI3   2. Go to Text Rule Editor   3. Confirm that any Variability Item from TestVI1, TestVI2 and TestVI3 does not have rules. (delete them, if it necessary) |
| * 1. Login as admin   ***GIVEN user opens variability item WHEN user clicks on validation sidebar tab THEN Validate tab is displayed with already displayed validate result***   * 1. Go to **Variants Management** -> **Variability Items** in navigation panel and choose **Search Variability items**   2. Search for **TestVI1** and open it   3. Go to **Validation**  tab on sidebar      1. Confirm that **Validate** tab is displayed with already displayed validate result (true) | |

## Refresh button in Validate tab

|  |  |
| --- | --- |
| **Test#:** | F-001232-03 |
| **Purpose:** | To test Refresh button in Validate tab |
| **Original requirements:** | [I-009025 "Refresh button in Validate tab"](https://myinnovator.com/?StartItem=sa_Issue:C6EB3A9BDE134DF68C368DC34E88BA8D) |
| **Execute** | Yes |
| **Setup** | * 1. Apply **New\_user.xml** as **admin** |
| * 1. Open the instance in the ***first browser as admin***   ***Refresh button is displayed in Validate tab.***   * 1. Go to **Variants Management** -> **Variability Items** in navigation panel and choose **Search Variability items**   2. Search for **TestVI1** and open it   3. Go to **Validation**  tab on sidebar      1. Confirm that **Validate** tab is displayed with already displayed validate result (**true**)      2. Confirm that **Refresh**  button is displayed in **Validate** tab   4. Do not close instance and browser!   ***GIVEN user1 located in validate tab of variability item and user2 did some changes which influence on validation result; WHEN user1 clicks on refresh button THEN validation result is refreshed.***   * 1. Open the instance in the **second browser** as **vm\_user2** (1 is a password)   2. Go to **Variants Management** -> **Variability Items** ->**TestVI1** -> click **Edit** -> Go to **Validation** tab on sidebar      1. Confirm that **Validate** tab is displayed with already displayed validate result (**true**)   3. Go to **Text Rule Editor** tab   4. Add new rule:   TestFeature2 = TestOption4   * 1. **Save** this Variability Item   2. Go to **Validation** tab on sidebar      1. Confirm that Validate tab is displayed with already displayed validate result (**1 option(s) are not available for selection**)   3. Go to the **first browser** (**admin** user**)**   4. Open TestVI1 -> Go to **Validation** tab on sidebar   5. Click **Refresh** button      1. Confirm that validation result is refreshed      2. Confirm that validate result is “**1 option(s) are not available for selection”**   6. Go to **Text Rule Editor** tab -> Delete the rule | |

## Splitter in Validate Selection tab

|  |  |
| --- | --- |
| **Test#:** | F-001232-04 |
| **Purpose:** | To test Splitter in Validate Selection tab |
| **Original requirements:** | [I-009027 "Splitter in validate selection tab"](https://myinnovator.com/?StartItem=sa_Issue:0F9DBBE3529A4FF5850311809CB267DB) |
| **Execute** | Yes |
| **Setup** | Pass [3.1 Test Setup](#_Add_tabs_component) |
| * 1. Login as admin   ***Splitter should split the area into 2 parts in validate selection tab.***   * 1. Go to **Variant Management -**> **Variability Items** -> **Search Variability Items**   2. Open **TestVI1**   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab      1. Confirm that Splitter should split the area into 2 parts in validate selection tab   ***User can select splitter using LMB and move it to the right or to the left side.***   * 1. Select Splitter using LMB      1. Confirm the User can select splitter using LMB   2. Move Splitter to the Right side      1. Confirmthat User can move splitter to the right side   3. Move Splitter to the left side      1. Confirmthat User can move splitter to the left side | |

## Display structure in tree grid

|  |  |
| --- | --- |
| **Test#:** | F-001232-05 |
| **Purpose:** | To test display structure in tree grid  To test Expand / Collapse all buttons in validate selection tab |
| **Original requirements:** | [I-009032 "Display structure in tree grid"](https://myinnovator.com/?StartItem=sa_Issue:FE67BA75E4A24F08B83E51A07DC2FA11)  [I-010618 "Expand / Collapse all in validate selection tab"](https://myinnovator.com/?StartItem=sa_Issue:5EDB8E131FF34A358C99094EA649060A) |
| **Execute** | Yes |
| **Setup** | * Pass [3.1 Test Setup](#_Add_tabs_component) * Apply Resolution\_structure.xml |
| * 1. Login as admin   ***GIVEN user opens Variability item. Item contains variability item structure with relevant features and options; WHEN user goes to Validate Selection tab in validation sidebar tab THEN multi-level structure with Variability items, relevant features and options is displayed.***   * 1. Go to **Variant Management -**> **Variability Items** -> **Search Variability Items**   2. Open **TestVI1**   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab      1. Confirm that multi-level structurewith Variability items, relevant features and options is displayed      2. Confirm that there are icons for Features and Options in Selection tree in Variability sidebar tab in Variability Item     ***User can collapse and expand each node in multi-level structure.***   * 1. Collapse each node in multi-level structure      1. Confirm that user can collapse and expand each node in multi-level structure   2. Expand each node in multi-level structure      1. Confirm that user can expand each node in multi-level structure   ***If Variability item doesn't have features, variability item is not displayed.***   * + 1. Confirm that TestVI5 is not displayed in this structure   ***If Relevant feature doesn't have options, relevant feature is not displayed.***   * + 1. Confirm that TestFeature5 is not displayed in this structure   ***When user clicks on "Collapse all" button then structure is collapsed.***   * 1. Click **Collapse All**  button      1. Confirm that structure is collapsed   ***When user clicks on "Expand all" button then structure is expanded.***   * 1. Click **Expand All**  button      1. Confirm that structure is expanded | |

## Add formatter in validate selection with logic

|  |  |
| --- | --- |
| **Test#:** | F-001232-06 |
| **Purpose:** | To test formatter in validate selection with logic |
| **Original requirements:** | [I-009033 "Add formatter in validate selection with logic"](https://myinnovator.com/?StartItem=sa_Issue:DAD45096F446484FB2395ED8BA5437AA) |
| **Execute** | Yes |
| **Setup** | Load Sample Data |
| * 1. Login as admin   ***Search grid does not download all Variability Items from DB. Default page size to 25.***   * 1. Go to **Variant Management -**> **Variability Items** -> **Search Variability Items**      1. Confirm that list from 25 Variability Items was download automatically      2. Confirm that Default page size is set to 25 items   ***User can select Option from tree in Validate Selection tab in Validation sidebar tab of Variability Item***   * 1. Search and Open *Bicycle*   2. Go to **Validation** tab on sidebar -> **Validate Selection** tab   3. Expand All Relevant features      1. Confirm that Horizontal scroll is displayed, "Validate Selection" & "Get Reason" button are displayed   4. Select any Option for *Tire Width* Feature (Bicycle -> Wheel System -> Tire)      1. Confirm that user can select Option from tree in Validate Selection tab   ***User can select only one Option for Feature.***   * 1. Select two Options for one Feature      1. Confirm that user can select only one Option for Feature   ***Formatter for Options in Feature should have behavior of radio buttons.***   * + 1. Confirm that formatter for Options in Feature should have behavior of radio buttons   ***GIVEN user clicked on option (Now, opiton = 1); WHEN user clicks on this option again THEN option becomes unchecked (Option=0).***   * 1. Click on any Option      1. Confirm that option becomes checked   2. Click on this Option again      1. Confirm that option becomes unchecked   ***GIVEN feature is used in multiple variability items WHEN user selects option for the feature THEN selected option for the feature will be reflected in the structure everywhere the feature is used.***   * 1. Select any Option for *Bicycle Type* Feature      1. Confirm that selected option for the feature will be reflected in the structure everywhere the feature is used | |

## Update "Get reasons" logic to use tree grid selection

|  |  |
| --- | --- |
| **Test#:** | F-001232-07 |
| **Purpose:** | To test “Get reasons" logic to use tree grid selection |
| **Original requirements:** | [I-009036 "Update "Get reasons" logic to use tree grid selection"](https://myinnovator.com/?StartItem=sa_Issue:7F480F7CDF5C4C4BA5FDBA96CBAF1F74) |
| **Execute** | Yes |
| **Setup** | Pass [3.1 Test Setup](#_Add_tabs_component) |
| * 1. Login as admin   ***There is "Get Reasons" button at the bottom of the validate selection tab.***   * 1. Open **TestVI1** ->Edit item   2. Create new Rule in **Text Rule Editor** tab: TestFeature1=TestOption1   3. **Save** item   4. Go to **Validation** tab on sidebar -> **Validate Selection** tab      1. Confirm that "**Get Reasons"** button at the bottom of the validate selection tab and it is disabled   ***GIVEN user did some selection in tree grid of Validate selection tab; WHEN user clicks on Get Reasons button THEN Get Conflicts window is displayed in separate tab.***   * 1. Select TestOption2 Option   2. Click **Get Reasons** button      1. Confirm that Get Conflicts window is displayed in separate tab and it has name **01 TestVI1 - Conflicts**      2. Confirm that there is one Conflict | |

## Display validate selection result in right splitter pane

|  |  |
| --- | --- |
| **Test#:** | F-001232-08 |
| **Purpose:** | To test displaying results in right splitter pane |
| **Original requirements:** | I-009030 Display validate selection result in right splitter pane |
| **Execute** | Yes |
| **Setup** | Pass [3.1 Test Setup](#_Add_tabs_component) |
| * 1. Login as admin   ***There is "Validate Selection" button at the bottom of validate selection tab.***   * 1. Go to **Variant Management -**> **Variability Items** -> **Search Variability Items**   2. Open **TestVI1**   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab      1. Confirm that there is **Validate Selection** button   ***GIVEN user did some selections in selection tree in Validate Selection tab; WHEN user clicks on Validate Selection button THEN validation result is displayed in right splitter pane.***   * 1. Chose TestOption1 and TestOption4 in selection tree   2. Click **Validate selection**      1. Confirm that result is displayed in right splitter pane and it is **Successfully** | |
| **Cleanup** | Logout |

## Styles for validate selection tab

|  |  |
| --- | --- |
| **Test#:** | F-001237-09 |
| **Purpose:** | To test displaying results in right splitter pane |
| **Original requirements:** | [I-009038 "Styles for validate selection tab"](https://myinnovator.com/?StartItem=sa_Issue:0ECACEE4F443407797282E09699B8E56) |
| **Execute** | Yes |
| **Setup** | The next files should be applied:  VM\_Structure.xml  Resolution\_structure.xml   * 1. Open TestVI1, TestVI2 and TestVI3   2. Go to Text Rule Editor   3. Confirm that any Variability Item from TestVI1, TestVI2 and TestVI3 does not have rules. (delete them, if it necessary) |
| *Note: Options for unselected Features (Features without any selected Option) are highlighted based on full current selection. Options for each selected Feature are highlighted based on selection without that Feature (how Options of this Feature would be highlighted if nothing was selected for this Feature).*   * 1. Login as admin   ***GIVEN user in validate selection tab. There are no rules on variability structure; WHEN user selects option for feature THEN the rest options in this feature are not displayed in red color.***   * 1. Go to **Variant Management** ->**Variability Items** and **Search** for *TestVI1*   2. Open TestVI1 -> Click **Edit** button   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab   4. Chose few options      1. Confirm that the rest options in this feature are not displayed in red color   5. Close item   ***GIVEN There are rules on Variability structure; WHEN user goes to Validate selection tab THEN not available options are displayed in tree in red color.***   * 1. Go to **Variant Management** -> **Variability Items** and **Search** for *Bicycle*   2. Open *Bicycle*   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab      1. Confirm that some options are red, for example for *Tire Width* Feature: *28c*, *2.3 inches*, *23c*   ***GIVEN user in validate selection tab. There are rules on variability structure; WHEN user selects option THEN text of Not available option(s) become red.***   * 1. Chose *X-Small* option for *Bicycle Size* Feature      1. Confirm the rest options for *Bicycle Size* Feature are not red      2. Confirm *Fat Bike, Mountain Bike* options for *Bicycle Type* Feature became red   2. Go to **Text Rule Editor**  tab and create the next Rule   “NOT [Bicycle Size]=Large”   * 1. **Save** item   2. Go to **Validation** tab on sidebar -> **Validate Selection** tab      1. Confirm that *Large* option for *Bicycle Size* Feature is red   ***GIVEN user in validate selection tab. There are rules on variability structure; WHEN user selects not available option in one feature THEN only not available options in this feature are displayed in red color.***  *Note: Options for unselected Features (Features without any selected Option) are highlighted based on full current selection. Options for each selected Feature are highlighted based on selection without that Feature (how Options of this Feature would be highlighted if nothing was selected for this Feature).*   * 1. Select *Large* option for *Bicycle Size* Feature      1. Confirm that only Large (not available) option in this feature is displayed in red color.      2. Confirm that all options in other features are displayed in red color. | |
| **Cleanup** | Go to **Text Rule Editor**  tab -> Delete the next Rule  “NOT [Bicycle Size]=Large”  Click Done and close item  Logout |

## Any user can validate selection (user from World)

|  |  |
| --- | --- |
| **Test#:** | F-001237-10 |
| **Purpose:** | To test that any user can validate selection |
| **Original requirements:** | [I-017482 "Permissions for methods related to res. and validate selection"](https://myinnovator.com/?StartItem=sa_Issue:B6345F948C594F17B676571801DB88FA) |
| **Execute** | Yes |
| **Setup** | * Pass [3.1 Test Setup](#_Add_tabs_component) * Apply Resolution\_structure.xml * Login as admin * Go to **TestVI1** * Add 2 rules   1) IF TestFeature1 = TestOption1 THEN TestFeature2 = TestOption3  2) IF TestFeature1 = TestOption2 THEN NOT (TestFeature2 = TestOption3)   * Logout * Apply Permissions.xml as root in the nash   or  create user (with W\_user name and “1’ as password)   * Login as World\_user (password: 1) |
| ***Verify that any user can validate selection.***   * 1. Go to **Variant Management -**> **Variability Items** -> **Search Variability Items**   2. Open **TestVI1**   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab   4. Click **Validate Selection**      1. Confirm that Validation Result is displayed in right splitter pane and it is **Successful**   5. Select   TestOption1 for TestFeature1,   * 1. Click **Validate Selection**      1. Confirm that Validation Result is **Successful**   2. Select TestOption4 for TestFeature2      1. Confirm that TestOption4 is red and all options besides TestOption3 became red   3. Click **Validate Selection**      1. Confirm that   Validation Result is **Failed**  These options cannot be selected with the current selection.  TestFeature1=TestOption1  TestFeature2=TestOption4 | |

## Any user can validate selection (user from All Employee)

|  |  |  |
| --- | --- | --- |
| **Test#:** | F-001237-11 | |
| **Purpose:** | To test that any user can validate selection | |
| **Original requirements:** | [I-017482 "Permissions for methods related to res. and validate selection"](https://myinnovator.com/?StartItem=sa_Issue:B6345F948C594F17B676571801DB88FA) | |
| **Execute** | Yes | |
| **Setup** | * Pass [3.1 Test Setup](#_Add_tabs_component) * Apply Resolution\_structure.xml * Login as admin * Go to **TestVI1** * Add 2 rules   1) IF TestFeature1 = TestOption1 THEN TestFeature2 = TestOption3  2) IF TestFeature1 = TestOption2 THEN NOT (TestFeature2 = TestOption3)   * Logout * Apply Permissions.xml as root in the nash   or  create user (with E\_user name and “1’ as password)  add this user to “All Employees” Identity   * Login as E\_user (password: 1) | |
| ***Verify that any user can validate selection.***   * 1. Go to **Variant Management -**> **Variability Items** -> **Search Variability Items**   2. Open **TestVI1**   3. Go to **Validation** tab on sidebar -> **Validate Selection** tab   4. Click **Validate Selection**      1. Confirm that Validation Result is displayed in right splitter pane and it is **Successful**   5. Select   TestOption1 for TestFeature1,   * 1. Click **Validate Selection**      1. Confirm that Validation Result is **Successful**   2. Select TestOption4 for TestFeature2      1. Confirm that TestOption4 is red and all options besides TestOption3 became red   3. Click **Validate Selection**      1. Confirm that   Validation Result is **Failed**  These options cannot be selected with the current selection.  TestFeature1=TestOption1  TestFeature2=TestOption4 | | |
| **Cleanup** | | * Login as admin * Go to **TestVI1** * Delete 2 rules   1) IF TestFeature1 = TestOption1 THEN TestFeature2 = TestOption3  2) IF TestFeature1 = TestOption2 THEN NOT (TestFeature2 = TestOption3)   * Logout |