**F-001234 "Resolution side bar tab for breakdown item"**



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| --- | --- | --- |
| NAME | Description of update | Date Updated |
| **Kseniya Gavrilenko** | Initial creation. | 08/23/2019 |
| **Olena Zaporozhets** | Update test cases according I-009097 "Splitter for resolution side bar tab in Breakdown Item" | 09/09/2019 |
| **Kseniya Gavrilenko** | Add test cases for I-009096 "Displaying of selection area in resolution side bar tab" | 9/16/2019 |
| **Olena Zaporozhets** | Update according to I-010447 "VM: Icons for Feature, Option, Variability Item and Component" | 11/05/2019 |
| **Olena Zaporozhets** | Update according to I-013510 "Disable Resolve button upon invalid selections in Breakdown Item" | 02/04/2019 |

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# Overview

This Document represents a test case suite for testing of Resolution side bar tab in Breakdown Item.

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

**I-009088 "Resolution side bar tab in Breakdown Item"**

**Acceptance Criteria:**

* There is Side Bar on Breakdown Item form.
* When user create or open Breakdown Item THEN Breakdown Item form is displayed in Breakdown Item tab on SideBar.
* Breakdown Item tab is displayed as the first tab on side bar.
* When user hovers over Breakdown Item tab on SideBar THEN "Form of Breakdown Item 'Name of Breakdown Item'" tooltip is displayed.
* There is blank Resolution tab in Breakdown item as second sidebar tab.

**I-009097 "Splitter for resolution side bar tab in Breakdown Item"**

**Acceptance Criteria:**

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

**I-009092 "Create toolbar for resolution side bar tab"**

**Acceptance Criteria:**

* There is toolbar at the top of resolution sidebar tab of breakdown item.
* There is Item field in toolbar in resolution sidebar tab.
* User can pick Variability Item using Item field in toolbar.
* There is Resolve button in toolbar.

**I-009096 "Displaying of selection area in resolution side bar tab"**

**Acceptance Criteria:**

* GIVEN user opens Breakdown item and goes to Resolution sidebar tab; WHEN user selects Variability Item in Variability Item Selection field THEN multi-level structure with Variability items, relevant features and options is displayed in selection area.
* 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.
* GIVEN user selected Variability Item and has Variability Structure in selection area; WHEN user clear Variability Item Selection field THEN selection area becomes empty.
* GIVEN user selected Variability Item and has Variability Structure in selection area; WHEN user try to change or clear Variability Item Selection field THEN notification msg "Changing of Variability Item will affect the options selection" is displayed.

**I-009118 "Use QD to display resolved structure in Tree grid"**

**Acceptance Criteria:**

* GIVEN user selected Variability Item and did some selections in selection tree of resolution sidebar tab; WHEN user clicks on "Resolve" button THEN multi-level breakdown structure with components and assets is displayed in the right side of the screen.
* User can collapse and expand each node in multi-level structure.

**I-013510 "Disable Resolve button upon invalid selections in Breakdown Item"**

**Acceptance Criteria:**

* Breakdown Item -> "Resolution" side tab: WHEN making option selections; IF any invalid option(s) is selected, then "Resolve" button is disabled.
* Breakdown Item -> "Resolution" side tab: WHEN making option selections; IF selected option(s) are valid, then "Resolve" button is enabled and functional.

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

## Resolution side bar tab in Breakdown Item

|  |  |
| --- | --- |
| **Test#:** | F-001232-01 |
| **Purpose:** | To test Resolution sidebar tab in Breakdown item |
| **Original requirements:** | [I-009088 "Resolution side bar tab in Breakdown Item"](https://myinnovator.com/?StartItem=sa_Issue:54EF449BEC8F4F7AA855F758216CA4C0)  [I-009097 "Splitter for resolution side bar tab in Breakdown Item"](https://myinnovator.com/?StartItem=sa_Issue:27C9AF8DADDC449CB4F88E35E1002D42) |
| **Execute** | Yes |
| **Setup** | * Login as admin |
| ***There is Side Bar on Breakdown Item*** ***form***.  ***When user create or open Breakdown Item THEN Breakdown Item form is displayed in Breakdown Item tab on SideBar.***  ***Breakdown Item tab is displayed as the first tab on side bar.***   * 1. Go to **Variants Management>>Breakdown Items** in navigation panel and choose **Create new Breakdown item**      1. Confirm that there is Side bar on Breakdown item form.      2. Confirm that Breakdown Item form is displayed in Breakdown Item tab on SideBar and that it is the First tab.   2. Enter *Code*:0001, *Name*: TestBI1   3. **Done** and Close item   4. Search Breakdown items and Open TestBI1      1. Confirm that Breakdown Item form is displayed in Breakdown Item tab on SideBar   ***When user hovers over Breakdown Item tab on SideBar THEN "Form of Breakdown Item 'Name of Breakdown Item'" tooltip is displayed.***   * 1. Hover over the first tab on side bar      1. Confirm that "Form of Breakdown Item 0001 TestBI1" tooltip is displayed   ***There is blank Resolution tab in Breakdown item as second sidebar tab.***   * 1. Hover over the second tab      1. Confirm that "Resolution" tooltip is displayed   2. Go to the **Resolution** tab   ***Splitter should split the area into 2 parts in Resolution sidebar tab.***   * + 1. Confirm the splitter splits the area into 2 parts in Resolution sidebar 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 left side      1. Confirmthat User can move splitter to the left side   3. Move Splitter to the right side      1. Confirmthat User can move splitter to the right side | |
| **Cleanup** | 1. Logout |

## Displaying of selection area in resolution side bar tab

|  |  |
| --- | --- |
| **Test#:** | F-001232-02 |
| **Purpose:** | To test the toolbar for resolution side bar tab and components tab in Breakdown items |
| **Original requirements:** | [I-009092 "Create toolbar for resolution side bar tab"](https://myinnovator.com/?StartItem=sa_Issue:59BC4A218A1B4298B62E3E56FC0A8FC8)  [I-009096 "Displaying of selection area in resolution side bar tab"](https://myinnovator.com/?StartItem=sa_Issue:AE067C4FE6D2472BB20EC06538388FB0) |
| **Execute** | Yes |
| **Setup** | * Apply **VM\_Structure.xml** in nash.aspx * Apply **Resolution\_structure.xml** * Login into innovator as admin |
| ***There is toolbar at the top of resolution sidebar tab of breakdown item.***   * 1. Go to **Variants Management** -> **Breakdown Items** in navigation panel -> choose **Search Breakdown item**   2. Open TestBI1   3. Go to **Resolution** sidebar tab of breakdown item      1. Confirm that there is toolbar at the top of Resolution sidebar tab of breakdown item.   ***There is Item field in toolbar in resolution sidebar tab.***   * + 1. Confirm that there is Item field in toolbar in resolution sidebar tab   ***There is Resolve button in toolbar.***   * + 1. Confirm that there is Resolve button in toolbar   ***User can pick Variability Item using Item field in toolbar.***   * 1. Select “TestVI1” Variability Item using Item field in toolbar      1. Confirm that Variability Item can be picked using Item field in toolbar   ***GIVEN user opens Breakdown item and goes to Resolution sidebar tab; WHEN user selects Variability Item in Variability Item Selection field THEN multi-level structure with Variability items, relevant features and options is displayed in selection area.***   * + 1. Confirm that multi-level structure with Variability items, Relevant Features and Options is displayed in selection area     2. Confirm that there are icons for Variability Items, Features and Options items in Resolution sidebar tab of Breakdown item in Selection tree     ***User can collapse and expand each node in multi-level structure.***   * 1. Click collapse (-) TestVI1      1. Confirm that tree is collapsed   2. Click Expand (+) for TestVI1      1. Confirm that Relevant Features, Options and Variability items are displayed under TestVI1   ***If Variaibility item doesn't have features, variability item is not displayed.***  ***If Relevant feature doesn't have options, relevant feature is not displayed.***   * + 1. Confirm that TestVI5 is not displayed in this structure     2. Confirm that TestFeature5 is not displayed in this structure   ***GIVEN user selected Variability Item and has Variability Structure in selection area; WHEN user try to change or clear Variability Item Selection field THEN notification msg "Changing of Variability Item will affect the options selection" is displayed.***   * 1. Put cursor in Variability Item Selection and press F2   2. Choose TestVI3 from search Dialog      1. Confirm that “Changing of the Variability Item will reset the selected options" dialog message appeared   3. Click Ok      1. Confirm that the Structure is changed in selection area   ***GIVEN user selected Variability Item and has Variability Structure in selection area; WHEN user clear Variability Item Selection field THEN selection area becomes empty.***   * 1. Put cursor in Variability Item Selection -> Clear it -> click to any place of tab      1. Confirm that “Changing of the Variability Item will reset the selected options" dialog message appeared   2. Click Ok      1. Confirm that the Selection area became empty | |
| **Cleanup** | 1. Logout |

## Use QD to display resolved structure in Tree grid

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| --- | --- |
| **Test#:** | F-001232-03 |
| **Purpose:** | To test the resolved structure in Tree grid View |
| **Original requirements:** | [I-009096 "Displaying of selection area in resolution side bar tab"](https://myinnovator.com/?StartItem=sa_Issue:AE067C4FE6D2472BB20EC06538388FB0) |
| **Execute** | Yes |
| **Setup** | Load Sample Data  Login into innovator as admin |
| ***GIVEN user selected Variability Item and did some selections in selection tree of resolution sidebar tab; WHEN user clicks on "Resolve" button THEN multi-level breakdown structure with components and assets is displayed in the right side of the screen.***   * 1. Go to **Variants Management** -> **Breakdown Items** in navigation panel -> choose **Search Breakdown item**   2. Open ***Bicycle*** Breakdown item   3. Go to Resolution sidebar tab of breakdown item   4. Choose TestVI1.   5. Click **Resolve**      1. Confirm that resolved structure is displayed in the right splitter pane   ***User can collapse and expand each node in multi-level structure.***   * 1. Go to right splitter pane   2. Click “-“ near Bicycle      1. Confirm that it was collapsed   3. Click + near to Bicycle      1. Confirm that it was expanded   4. Click “-“ near Bicycle   5. Select **Control** item in TGV -> Click **Grow**      1. Confirm that node was expanded, and the parts and docs are displayed in structure | |
| **Cleanup** | Logout |

## Disable Resolve button upon invalid selections in Breakdown Item

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| **Test#:** | | F-001232-04 |
| **Purpose:** | | To test that the Resolve button is disable when invalid options is selected in Breakdown Items |
| **Original requirements:** | | [I-013510 “Disable Resolve button upon invalid selections in Breakdown Item”](https://myinnovator.com/?StartItem=sa_Issue:9F8E2396FFCA4415A0F4CD26D5C34DBD) |
| **Execute** | | Yes |
| **Setup** | | Login into Innovator as **admin** |
| ***Breakdown Item -> "Resolution" side tab: WHEN making option selections; IF any invalid option(s) is selected, then "Resolve" button is disabled.***   1. Login into Innovator as **admin** 2. Go to **Variant Management** -> **Breakdown Items** -> **Search Breakdown Items** 3. Click **Search** button -> Open **Wheelset** 4. Go to **Resolution** sidebar tab 5. Select **25c** in Rim Width 6. Confirm that Resolve button is enabled 7. Select **26 inches** in Rim Size 8. Confirm that Resolve button is disabled 9. Try to click into button Resolve 10. Confirm that button doesn’t work   ***Breakdown Item -> "Resolution" side tab: WHEN making option selections; IF selected option(s) are valid, then "Resolve" button is enabled and functional.***   1. Uncheck **26 inches** in Rim Size 2. Select **700c** in Rim Size 3. Confirm that button Resolve is enabled 4. Click into **Resolve** button 5. Confirm that Resolve button is functional 6. Confirm that Resolve structure is loaded | | |
| **Cleanup** | Logout | |