**F-001233**

**"** **Defining component with assets tab"**



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| --- | --- | --- |
| NAME | Description of update | Date Updated |
| **Olena Zaporozhets** | Initial creation. Acceptance tests for I-009015 " Rename Features tab to Relevant Features tab in Variability item " and for I-009013 “Swap Features tab with variability item structure tab” | 08/13/2019 |
| **Olena Zaporozhets** | Update according of I-010447 "VM: Icons for Feature, Option, Variability Item and Component" | 11/05/2019 |
| **Kseniya Gavrilenko** | Acceptance criteria was added for I-011756 "Add column with icons of parts and documents to assets tab" | 11/28/2019 |
| **Olena Zaporozhets** | Update according to I-013158 "VM: Assets tab: Display Usage Condition split pane by default" | 01/21/2020 |
| **Olena Zaporozhets** | Update according to I-015027 "Change column header in Assets tab of Component item" | 02/04/2020 |
| **Olena Zaporozhets** | Test cases from TC-003246 were added | 02/15/2021 |

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# Overview

This Document represents a test case suite for testing Components with assets tab.

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

**I-008702 "Create and manage component"**

**Acceptance Criteria:**

* Verify that user can create Component from Variant Management section in navigation panel.
* There is Name property with Length 128 in Component item and it is required.
* There is Code property with Length = 16 in Component item, it is required and unique.
* There is Description property in Component item.
* Keyed name of component item is Code+Name.

**I-008703 "Implement assets tab in component"**

**Acceptance Criteria:**

* There is Assets relationship tab in component Item.
* Verify that "Select Items" is enabled in Assets tab.
* Verify that "Create Item" is disabled in Assets tab.
* User can select only Parts and Documents to assets tab.
* Keyed name of Part or Document is displayed in column in Assets tab.
* There is column with name Item in Assets tab.

**I-011756 "Add column with icons of parts and documents to assets tab"**

**Acceptance Criteria:**

* There is column in Assets tab in Component item.
* Columns is displayed as first column in tab.
* "Icon" name of column is displayed.
* Verify that Part icon is displayed for Parts in Assets tab.
* Verify that Document icon is displayed for Documents in Assets tab.
* The width of column should be 36 px.

**I-013427 "VM: on Assets tab of Component, show Name column"**

**Acceptance Criteria:**

* Name column is added to the Assets tab of Component.
* name property values from related Parts and Documents are displayed on this column.
* "Name" column is between "Item" and "Revision" columns.

**I-010448 "VM: on Assets tab of Component, show more item properties"**

**Acceptance Criteria:**

* Revision and State columns are added in the same sequence.
* Revision and State property values from related Parts and Documents are displayed on these columns.
* The sequence of columns in Assets tab should be: "Item", "Revision", "State".

**I-013158 "VM: Assets tab: Display Usage Condition split pane by default"**

**Acceptance Criteria:**

* WHEN user opens the "Assets" tab of Component, THEN Usage Condition split pane is displayed by default.
* Upon initial opening of the "Assets" tab, the Usage Condition split pane displays icon+text per the UI Mockup on "Deliverables" tab of User Story I-012699.

**I-014036 "Component and Breakdown Item need to be versionable**"

**Acceptance Criteria:**

* Variable Component and Breakdown Item ItemType are versionable with "Automatic" discipline.
* Relationships of Variable Component and Breakdown Item ItemTypes should have Behavior - Float.

**I-015027 "Change column header in Assets tab of Component item"**

* Need to change column header in Assets tab of Component item from "Usage" to "Usage Condition"

Steps highlighted in grey: Check this test case only once while validation!!!

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

## UI of Component form

|  |  |
| --- | --- |
| **Test#:** | F-001233-01 |
| **Purpose:** | To test of UI of Component form |
| **Original requirements:** | [I-008702 "Create and manage component"](https://myinnovator.com/?StartItem=sa_Issue:4B61F4A3EFD6458A8962C8F2A99DFEF3) |
| **Execute** | Yes |
| **Setup** | Login into Innovator as **admin** |
| * 1. Go to **Variant Management** -> **Variable Components** in navigation panel and choose **Create New Variable Component**      1. Confirm that user can create Variable Component from Variant Management section in navigation panel.      2. Confirm that the form for creating Variable Component item is opened and it has *Name, Code* and *Description* fields   2. Click **Save**      1. Confirm that “The “Code” field is required. You must provide a value for this field before saving”   3. Click **OK**   4. Type Code: 005      1. Confirm that code is added   5. Type ***Description***: There is Description property for Component   6. Click **Save** in toolbar of Item      1. Confirm that “The “Name” field is required. You must provide a value for this field before saving”   7. Click **OK**   8. Type Name: TestComponent   9. Click **Save**      1. Confirm that Component was saved successfully      2. Confirm that tab of this Component has “005 TestComponent” label      3. Confirm that there is icon near keyed name of Component      * 1. Close item | |

## Code property of Component is unique

|  |  |
| --- | --- |
| **Test#:** | F-001233-02 |
| **Purpose:** | To test that Code property of Component is unique |
| **Original requirements:** | [I-008702 "Create and manage component"](https://myinnovator.com/?StartItem=sa_Issue:4B61F4A3EFD6458A8962C8F2A99DFEF3) |
| **Execute** | Yes |
| **Setup** | Login into Innovator as **admin** |
| * 1. **Navigation** panel -> **Variant Management** -> **Variable Components** -> **Create New Variable Component** in the secondary menu   2. Type:   Code: 005  Name: newname   * 1. Click **Save** in toolbar of Component Item      1. Confirm that error message “Variable Component (vm\_Component) with Code ’005’ already exists”   2. Click **OK**   3. Delete this item | |

## max Length of Code and Name property

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| --- | --- |
| **Test#:** | F-001233-03 |
| **Purpose:** | To test of max Length of Code and Name property |
| **Original requirements:** | [I-008702 "Create and manage component"](https://myinnovator.com/?StartItem=sa_Issue:4B61F4A3EFD6458A8962C8F2A99DFEF3) |
| **Execute** | Yes |
| **Setup** | Login into Innovator as **admin** |
| * 1. Go to **Variant Management** -> **Variable Components** in navigation panel and choose **Create New Component**   2. Type Code: 1239874560123456      1. Confirm that Code with Length = 16 is added   3. Type **Name**:   Component0123456789\_0123456789\_0123456789\_0123456789\_0123456789\_0123456789\_0123456789\_0123456789\_0123456789\_0123456789\_01234567N   * + 1. Confirm that Name with Length = 128 is added   1. Click **Save**      1. Confirm that Variable Component was saved successfully   2. Click **Done** -> close component   3. Go to **Variant Management** -> **Variable Components** in navigation panel -> **RMB** -> **Search Components** -> see Search grid      1. Confirm that the Variable Component has correct Name and Code | |

## Implement assets tab in component

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| --- | --- |
| **Test#:** | F-001233-04 |
| **Purpose:** | To test of assets tab in component |
| **Original requirements:** | [I-008703 "Implement assets tab in component"](https://myinnovator.com/?StartItem=sa_Issue:40941F04F6EA4BEE8EAAA6559FFF37AE)  [I-011756 "Add column with icons of parts and documents to assets tab"](https://myinnovator.com/?StartItem=sa_Issue:9644C07E81D14ECC814CABD8CE2E3AA9)  [I-013427 "VM: on Assets tab of Component, show Name column"](https://myinnovator.com/?StartItem=sa_Issue:3E951AB7D29A4A79BF8364B2CA03E1AC)  I-010448 "VM: on Assets tab of Component, show more item properties"  [I-013158 "VM: Assets tab: Display Usage Condition split pane by default"](https://myinnovator.com/?StartItem=sa_Issue:0360597C8FF64B02B771A14FD51D4138)  [I-015027 "Change column header in Assets tab of Component item"](https://myinnovator.com/?StartItem=sa_Issue:433E79EAB0BF494499CDDB3BD4656930) |
| **Execute** | Yes |
| **Setup** | 1. Apply **DocAndPart.xml**. 2. Login to Innovator as **admin** 3. Go to Documents -> Documents -> Search Documents 4. Open NDoc4 -> Edit -> Go to Files tab -> New File -> select “TestTextDoc.txt” -> Done -> close the item |
| * 1. Go to **Variant Management** -> **Variable Components** in navigation panel and choose **Create New Component**      1. Confirm that there is Assets relationship tab in component Item      2. Confirm that "Add Assets" is enabled in Assets tab      3. Confirm that "New Assets" is enabled in Assets tab      4. Confirm that there is the first column with “Icon” name in Assets tab in Component item.      5. Confirm that there is column with “Item” name in Assets tab      6. Confirm that there is *Name* column and it is located between *Item* and *Revision* columns      7. Confirm that Revision and State columns are located in the same sequence.      8. Confirm that "Usage Condition" column is located      9. Confirm that Usage Condition split pane is displayed by default.      10. Confirm that Upon initial opening of the "Assets" tab, the Usage Condition split pane displays icon+text.      * 1. Type   Code: C01  Name: TC01   * 1. Go to **Assets** tab -> click **Add Assets**      1. Confirm that "Add Assets" is enabled in Assets tab   2. Select “**IN Doc1”**, **“IN Doc4”** Documents and **“IN Part002”**, **“IN Part003”** and **“IN Part004”** Parts in Search dialog -> OK      1. Confirm that user can select any Parts or Documents to Assets tab   3. Click **Save** in toolbar of Item      1. Confirm that items are added, and Part icon and Document icon are displayed in “**Icon**” column in Assets tab      2. Confirm that keyed name of Part or Document is displayed in “Item” column in Assets tab      3. Confirm that name property values from related Parts and Documents are displayed on “**Name**” column      4. Confirm that Revision and State property values from related Parts and Documents are displayed on “**Revision**” and “**State**” columns.      * 1. Click Done -> Close item   **!!!***Note: Check this test case only once while validation***!!!**  ***The width of column should be 32 px.***   * 1. Go to **Administration** -> **Item Types** in navigation panel and click **Search**   2. Search for **vm\_ComponentAsset** and open it   3. Go to **Properties** tab   4. Find related\_itemtype\_icon property      1. Confirm that Width=32 | |

## Versioning of Variable Component

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| --- | --- |
| **Test#:** | F-001233-05 |
| **Purpose:** | To test the versioning of Variable Component |
| **Original requirements:** | [I-014036 "Component and Breakdown Item need to be versionable"](https://myinnovator.com/?StartItem=sa_Issue:57D74690499C4BEBAE74431001ACD9C6) |
| **Execute** | Yes |
| **Setup** | Login into Innovator as **admin** |
| ***Variable Component ItemType is versionable with "Automatic" discipline.***   * 1. Go to **Administration** -> **ItemType**   2. Search and open **vm\_Component** ItemType      1. Confirm that Versionable check-box is check      2. Confirm that Discipline is Automatic   \*picture\*   * 1. Close **Variable Component** ItemType   ***Relationships of Variable Component and Breakdown Item ItemTypes should have Behavior - Float.***   * 1. Return to Search Grid of Relationship Type   2. Search and open **vm\_VariableComponentAsset**      1. Confirm that Behavior is float   3. Close **vm\_VariableComponentAsset** | |

## Condition should not be saved when user clicks on Discard Button in VC

|  |  |
| --- | --- |
| **Test#:** | TC-003244 |
| **Purpose:** | Condition should not be saved when user clicks on Discard Button in VC |
| **Original requirements:** | [I-027622 "Condition is saved when user clicks on Discard Button in VC"](https://myinnovator.com/?StartItem=sa_Issue:E14A2E1DE0CB461986EE4487BF4A69E6) |
| **Execute** | Yes |
| **Setup** | Load VM Data |
| * 1. Go to Variant Management -> Variable Components -> Click on loupe -> Click Search button   2. Open Form Variable Component   3. Go to the Usage Condition Table Editor   4. Click between CN-6732 – Fat Bike      1. Confirm that cell is marked as selected by blue dot   5. Click Discard      1. Confirm that error window appears   6. Click OK      1. Confirm that cell is not marked as selected by blue dot      2. Confirm that the table is returned to the last saved state. | |

## "Save, Discard, Cancel” dialog should open In UC for VC

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| **Test#:** | TC-003245 |
| **Purpose:** | "Save, Discard, Cancel” dialog opens in UC for VC |
| **Original requirements:** | [I-018962 "In UC for VC "Save, Discard, Cancel” dialog don't open"](https://myinnovator.com/?StartItem=sa_Issue:E250EAD11D1F4B5CA3F121F583B6E1FF) |
| **Execute** | Yes |
| **Setup** | Load VM Data |
| **First case**   * 1. Log into innovator as admin   2. Go to the Variant Management -> Variable Component -> Search Variable Component   3. Search and Open Brake Variable Component   4. Go to the Assets tab   5. Select BR-4069 asset   6. Go to the Usage Conditions tab -> Click Create New Usage Conditions button   7. In field paste the next conditions:   IF [Brake Type] = [Disc Brake] THEN EXACTLY-ONE([Brake Type] = [Cantilever Brake]) AND AT-MOST-ONE([Brake Type] = [Cantilever Brake]) OR AT-LEAST-ONE([Brake Type] = [Cantilever Brake])   * 1. Click X button      1. Confirm that There is "Save, Discard, Cancel" dialog in “Save, Discard, Cancel” dialog Save button is disabled   2. Click Cancel button      1. Confirm that There is "Save, Discard, Cancel" dialog in “Save, Discard, Cancel” dialog Save button is disabled   **Second case**   * 1. Go to the Variant Management -> Variable Component -> Search Variable Component   2. Search and Open Brake Variable Component   3. Go to the Assets tab   4. Select BR-4069 asset   5. Go to the Usage Conditions tab -> Select Usage Condition -> RMB -> Edit Usage Conditions   6. Don't delete condition -> Type k   7. Click Cancel      1. Confirm that There is "Save, Discard, Cancel" dialog in “Save, Discard, Cancel” dialog Save button is disabled   8. Close tab Brake Variable Component   9. Open Brake Variable Component   10. Go to the Assets tab   11. Select BR-4069 asset   12. Go to the Usage Conditions tab -> Select Usage Condition -> RMB -> View Usage Conditions   13. Click cancel or X button       1. Confirm that There is "Save, Discard, Cancel" dialog in “Save, Discard, Cancel” dialog Save button is disabled | |

## T-ahead works in Variability Item field

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| **Test#:** | TC-003246 |
| **Purpose:** | There is T-ahed field with Variability Item whom began with V0 |
| **Original requirements:** | [I-015410 "VC: Isn't work T-ahead in Variability Item field"](https://myinnovator.com/?StartItem=sa_Issue:898C4C6472504485AE05865810391A92) |
| **Execute** | Yes |
| **Setup** | Load VM Data |
| * 1. Login into Innovator as admin   2. Go to Variant Management -> Variable Components -> Create Variable Component   3. Go to Usage Condition Table Editor tab in Side Bar   4. Put cursor into field Variability Item   5. Start to type "V0"      1. Confirm that you see T-ahed field with Variability Item whom began with V0 | |