UC009:

CRUD & Reorder Product Model Components

Product Model, Product Model Components, PLM



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Author(s): David Van Hoecke

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UC009: CRUD & Reorder Product Model Components

# UC009: CRUD & Reorder Product Model Components

## Description

An administrator can **C**reate, **R**ead, **U**pdate, **D**elete and Reorder Model Components for a particular Product Model

## Level

User goal

## Trigger

A model component is a part of a product model. A model component can be a product model in its own right. When displaying model components that are in fact product models the user must be able to click on this component and perform a drill down action (eg. opening the product model page of this product model). On the product model component list in the product model page the admin chooses to Create, Read, Update, Delete or Reorder model components:

* Create: creates a new entity
* Read: retrieves all details of an entity for e.g. to display to user
* Update: changes data of an existing entity
* Delete: (logically deletes a component from the system)
* Reorder: allows the admin to change the order in which components appear in the list of model components

## Primary Actor

The PA is an administrator

## Additional/Supporting Actors

None

## Stakeholders

* Production
* Support
* Management

## Preconditions

The Primary Actor must have use of a workstation with an active internet connection or at least an internal access to the application. The workstation will have a browser window open, pointing to the site.

## Main Success Scenario

### Create model component

* The admin clicks the “create model component” link
* A form is displayed where the admin can enter model component data
  + Name
  + Reference (empty unless the component is also a product model, is a pointer to an existing entity) Admin can select an existing entity from a list if this needs to be set
  + Model State
  + Input mask (to create a input format eg. vX.X where X is a digit)
  + Requirement, a dropdownlist to select if the user needs to enter Revision, Serial or Both when creating an assembly of this component
  + Summary, this is the work instruction title for this component
  + Description, this is the description of the work instruction for this component
  + Image, is the accompanying image for this work instruction

### Edit model component

* The admin clicks the “edit model component” link next to an existing model component
* A form is displayed where the admin can enter model component data
  + Name
  + Reference (empty unless the component is also a product model, is a pointer to an existing entity). Admin can select an existing entity from a list if this needs to be set
  + Model State
  + Input mask (to create a input format eg. vX.X where X is a digit)
  + Requirement, a dropdownlist to select if the user needs to enter Revision, Serial or Both when creating an assembly of this component
  + Summary, this is the work instruction title for this component
  + Description, this is the description of the work instruction for this component
  + Image, is the accompanying image for this work instruction

### **Reorder** model components

A user can reorder a list of product components by dragging (a) component(s) and confirming this reorder operation by clicking a button that appears after dragging

### **Read** and Delete model component.

To delete a model component a detail page is show first that shows the component in detail. The user can then choose to delete or cancel.

## Extensions

* **Exception:** an edit attempt is made to stale data
  + user is warned that he’s using data that has been changed since he requested it
  + user retries process starting from clicking the edit button

## Post Conditions

* Success End Condition
  + In case of creation: a new model component is found in the system
  + In case of editing an existing model component: the component is updated in the system

## Frequency

This case will occur occasionally

## Special Requirements

* Performance:   
  Timeout values will be set so the user receives “a resource unavailable” message if this occurs
* Security  
  Only administrators have access to this page
* Usability / Accessibility  
  User must be able to view page in English, French and Spanish.
* Other  
  The UI must be able to be used over a range of platforms: PC, laptop, tablet, smart phone…

## Issues and Next Steps

None