UC008: Create & Edit Product Model

Product Model, Model Components,Product Assemblies, Assembly Components, PLM



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UC008: Create & Edit Product Model

# Use Case 008: Create & Edit Product Model

## Description

An administrator can elect to create or edit a product model

## Level

User goal

## Trigger

On the product model list page the user selects to create a product model or to edit an existing model

## 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 product model

* The admin clicks the “create product model” link
* A form is displayed where the admin can enter product model data
  + Product Name
  + (Release) Date
  + Version number, defaults to 1 on creation
  + IdMask, denotes format of the product serial
  + Optional Comment
  + A work instruction entry
  + A work instruction image
  + A work instruction description
  + An empty list of product components is displayed to which components are added, removed, reordered and / or deleted. This is described in the Product Component Use Cases

### Edit product model

* The admin clicks the “edit product model” link next to an existing product model
* A form is displayed where the admin can enter product model data
  + Product Name
  + (Modification) Date
  + Version number, auto increments by 1 when editing
  + IdMask, denotes format of the product serial
  + Optional Comment
  + A work instruction entry
  + A work instruction image
  + A work instruction description
  + A list of product components is displayed to which components are added, edited, reordered and / or deleted. This is described in the Product Component Use Cases

## **Extensions**

* **Exception:** an IdMask is entered which is the same as for another product
  + user is warned that every product must have a unique Id Mask
  + user changes Id Mask and tries again
* **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 product model is found in the system
  + In case of editing:
    - an existing model: a new version of the model is created (by duplicating the existing model) and set as the current version (by incrementing the version number) while the previous version is logically deleted. All model components are duplicated for the new version as well.
    - Cascading updates to other models; If the model is used as a component, then all product models that contain this product model as a product component are updated to use the new version
* Minimal Guarantees
  + The system will ensure that all product models have unique Id Masks
  + The system will ensure that only one product version is active

## **Frequency**

This case will occur each time a product model has changed

## 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