UC007: View and delete product models

Security, User Management, Authentication, Authorization



Reference: [Subject]**Document reference to be filled by Quality department if needed**

Edition/review: 1/0

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Date: 28/02/2017

**Changelog:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **User** | **Date** | **Comments** |
| 1 | DVH | 20170308 | Doc created |
|  |  |  |  |

SUMMARY

[**Use Case [007]: View & Delete Product Model**](#_gjdgxs) **4**

[Description]](#_30j0zll) 4

[Level](#_1fob9te) 4

[Trigger](#_3znysh7) 4

[Primary Actor](#_2et92p0) 4

[Additional/Supporting Actors](#_tyjcwt) 4

[Stakeholders](#_3dy6vkm) 4

[Preconditions](#_1t3h5sf) 4

[Main Success Scenario](#_wauh2681si7v) 4

[Extensions](#_vhbefmiqgv2p) 5

[Post Conditions](#_17dp8vu) 5

[Success End Condition](#_3rdcrjn) 5

[Minimal Guarantees](#_26in1rg) 5

[Failure End Condition](#_lnxbz9) 5

[Frequency](#_35nkun2) 5

[Special Requirements](#_1ksv4uv) 5

[Performance](#_44sinio) 5

[Security](#_2jxsxqh) 5

[Usability / Accessibility](#_z337ya) 5

[Other](#_3j2qqm3) 5

[Issues and Next Steps](#_3e9mmfb0kp8t) 6

UC007: View & Delete Product Model

# Use Case [007]: View & Delete Product Model

## Description]

This describes being able to view and delete product models. A product model is a theoretical representation of a certain version of a product. A product model consists of one or more “Product Components” that each fall under a certain “Model State”. These components have a particular order in which they are executed. An actual product being produced is based on this model and component collection.

Apart from making up the base of a product assembly and assembly components, a product model contains meta data to differentiate it from other versions of the product and to allow it to enforce a certain format for its serial number which functions as a unique identifier.

## Level

User Goal

## Trigger

From the main menu, an administrator chooses to display the product model list page to view product models. On this page each model will have a number of actions available such as:

* Edit
* Delete

On clicking “delete” a detail page is shown about the product model. An administrator can then execute a “delete” action from this detail page or from the list page.

## Primary Actor

The Primary Actor is an administrator

## Additional/Supporting Actors

None

## Stakeholders

* Production
* 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

Viewing product models

* Administrator chooses to display the product model list page to view product models. On this page he / she selects a product model to view.
* The system displays a detail page for this particular model that contains all relevant information about the product model.

Deleting product models

* On the rare case that a product model needs to be deleted from the system the user can choose to do this from the list of product models or from a product model detail page.
* The user needs to be informed that after deletion no new product assemblies can be made from this model
* Existing product assemblies for this particular model can still be used

## Extensions

* **Exception:** An admin chooses to view details of or delete a product model which is already deleted by another admin after choosing to view / list it The user is warned of this if this is the case.

## Post Conditions

### Success End Condition

* View: The product model is shown in list or in detail view
* Delete: The product model is logically deleted from the system

### Minimal Guarantees

The system guarantees that product models are never actually deleted from the system so that historic data isn’t lost and so that existing product assemblies / components can still be manipulated.

Accidental deletions (due to user errors, eg.) are to be avoided by having the user confirm before actually executing the actions.

### Failure End Condition

The system is unable to retrieve or logically delete a product model

## Frequency

This will occur only rarely and presumably only in case of discontinuation of a product

## Special Requirements

### Performance

Timeout values will be set so the user receives “a resource unavailable” message if this occurs

### Security

Only admins are able to execute this UC

### 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

Determining which methods to use to enforce input format (e.g. serial number formatting) is a bit tricky since using regular expressions for example is quite complicated. Designing a user friendly method for this from scratch on the other would be very time consuming.

**Approvals**

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