UC010: Create, Read, Update and Delete Model States

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



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UC010: Create, Read, Update and Delete Model States

# UC010: Create, Read, Update and Delete Model States

## Description

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

## Level

User goal

## Trigger

On the model state list page the admin chooses to Create, Read, Update, Delete model states

* Create: creates a new entity
* Read: shows a list of model states or retrieves all details of an entity for e.g. to display to user
* Update: changes data of an existing entity
* Delete: (logically deletes an entity from the system)

## 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

### Read Model State

* The admin can choose to view a list of all model states
* SInce a model state is only made up of a name, there is no detail view

### Create model state

* The admin clicks the “create model component” link
* A form is displayed where the admin can enter a name for the new model state

### Edit model state

* The admin clicks the “edit model state” link
* A form is displayed where the admin can change the name of the model state

### Delete model state.

To delete a model state a small form is shown to ask the admin’s confirmation. If a model state is (logically) deleted it can no longer be assigned to new or updated models and components but remains in existing models and components

## Extensions

* **Exception:** an attempt is made to create or to update a state with the same name as an existing state
  + user is warned that model state names must be unique
* **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 state is found in the system
  + In case of editing an existing model state: the model state is updated in the system
  + In case of deleting: the state can no longer be assigned to new or updated models and components but remains in existing models and components

## Frequency

This case will occur only rarely

## 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