

Duplicate prevention

What it is

Example:

“ A hr-management system is used to hire new employees that have to be registered with information such as name and email address. During this registration mistakes can happen where an employee is registered multiple times, creating duplicates in the system with different system ID's. To prevent this there should be some part of the data from the employee that would not impossibly exist for another employee, such as the email address which by design are unique. If you are adding a record of an employee whose email address already exists in the system, then that employee certainly already exists in the system. Other suitable types of data could be Social Security Numbers or CPR numbers, which are also unique by design. If no such suitable data field is available, two or more fields can be used, so that they in combination constitute a unique value. It is for example unlikely that two people with the same name and same date of employment should exist.

Guide

To prevent duplication when records are created, the entity needs to be set up right. Either a single field or a combination of fields need to be designated as being a unique key, meaning that if you attempt to create another record with the same combination of fields, you will be prevented from doing so. This can be some field with inherently unique data or for example the combination of a date and a name, where the chance of another record sharing the same date and name is considered extremely unlikely.

Entity fields add edit

A	S	Field	Data type	Resume	In list	Sublist	Primary	Validate	Default	Block	Page
✓	✓	Jordsags nr	Parent reference	✓	✓	○	✓	✓		Default	
✓	✓	Vejenr	Integer	○	✓	✓	○	○		Default	
✓	✓	Adresse	SQL: Subselect	○	✓	○	✓	○		Default	

To set a field of an entity to be a unique key, go to that entity in the back-end and select your chosen field as shown in picture 1.

Field remove manual edit assign translate siblings

Active	<input checked="" type="checkbox"/>
Type	Parent/child: Parent reference 
Title	Jordsags nr JORDSAG usage
Helptext	

The unique key feature is an advanced one, which means that you have to toggle the advanced view as shown in picture 2.

Configuration Edit configurations

Options	<input type="checkbox"/> Create items with default value
	<input checked="" type="checkbox"/> Include field value in item Resume
	<input checked="" type="checkbox"/> Values are Indexed for faster search
	<input checked="" type="checkbox"/> Is part of a Unique key
Display	<input checked="" type="checkbox"/> Show by default in List views
	<input type="checkbox"/> Show by default in Lists of children on parent items
	<input checked="" type="checkbox"/> Show by default when using Field filter (primary)
	<input type="checkbox"/> Show by default in Heatmaps (remember to define categories)
	<input type="checkbox"/> Use special CCS styling edit CSS

Now enable the check mark as shown in picture 3. Your chosen field is now part of a unique key. If this is the only field with this check mark enabled, then this will be the only key. If you select a second or third field, then the combination of the values of those fields will be the unique key.

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