

# Naming UI – thoughts & sketches

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This document is about UI, not about server interaction, storage	
Design, implementation to be reviewed	
Document written with a few things in mind	
<ul style="list-style-type: none"><li>• Naming convention</li><li>• current Naming</li><li>• discussions with team and users, in particular Dirk for design thoughts</li><li>• reference / demo sketch CCDB</li><li>• (some about server interaction, although this document is not about server interaction)</li></ul>	

## Naming UI – thoughts & sketches

### Summary so far

- after meeting 2022-06-21 – Dirk, Lars

### Navigation in horizontal top header – similar to current Naming

- Use screen / space as efficiently as possible
- Not duplicate functionality available in menu with fields/buttons above tables
- User workflow begins with check content, thereafter action. Check available in table. Action available in menu.

### Menu (hamburger menu)

- Menu options: Help, Support web site (Confluence), Link to Jira, Send email to support, About
- Possibly use dividers in menu

### Username

- Menu option: Sign out
- Ref. that's how Google have sign out.

### Fonts, Font sizes, Colors

- From Dirk – Reference / demo sketch CCDB
- Fonts
  - Segoe UI e.g. header text ESS Name, System structure, Device structure
  - Titilium, Titilium Light e.g. sub headers, tables (headers, columns, content)
- Font sizes
  - To be decided
- Colors

• White	#ffffff	header text (selected), background
• White-grey	#c2e7f2	header text (not selected)
• Black (black-grey)	#242424	text
• Turquoise blue	#0099c8	background header
• Red	#cd1b09	error (and/or font style italic)
• Blue	#a0daf8	button
• Light blue	#e0f2fc	selection

## Naming UI – thoughts & sketches

Option 1 – Application header & thoughts – navigation in horizontal top header

ESS Name, System structure, Device structure, Menu, Username



ESS Name

Header text Naming is text only. Other text are links or have some function.

Menu button (hamburger) to show email address to support, link to Jira, similar.

Menu button (Actions) to show similar as today: Add, Modify, Delete, View History, Batch Add, Batch Modify, Export

Purpose of table is to show names and part of names as clear as possible. At the same time also enable filtering and sorting and paging in an intuitive manner. Layout of table is also intended to help when adding a name. Then idea is not have wizard but instead add an empty row below table (or similar). E.g. for add, have ESS name box gray, then user to specify 1) system structure 2) device structure 3) index 4) description. In each step, help may be provided to aid user to fill in that particular box. Also, at the same as user enters value to have ESS name shown in gray box.

Status, Date/time may get own columns if needed.

System structure

Menu button (Actions) to show similar as today: Add, Modify, Delete, Cancel, Approve, Reject, *Check Devices*, View History, Batch Add

Date/time may get own column if needed.

Device structure

Menu button (Actions) to show similar as today: Add, Modify, Delete, Cancel, Approve, Reject, *Check Devices*, View History

Date/time may get own column if needed.

Menu

Menu button to show: Help, Support web site (Confluence), Link to Jira, Send email to support, About

Help – Give *How to*-help to do things in UI. Maybe also give help for REST API.

Username

Menu button to show: Sign out

*Columns in table are chosen to aid users in finding and filtering names. Moreover, when creating and modifying names, same columns are to be filled in. Thus fields to fill in then are recognized from table previously shown.*

## Naming UI – thoughts & sketches

### Design, implementation

ESS Name, System structure, Device structure contain tables with rows and columns. Working with that content, and comparing with current Naming, idea and goal is to avoid popup wizards. There may be cases where popup windows may be necessary or hard to avoid, e.g. for confirmation of operation or additional required information to be entered. Popup wizard consist of multiple linked popup windows which give more complexity to UI.

Thus idea is to not have popup wizard and avoid popup window unless necessary.

Taking that thought to mentioned tables and in combination with available actions for those tables, i.e. variations of *create*, *read*, *update*, *delete*, it means that actions should be handled without popup window or with single popup window.

ESS Name ↕	System structure ↕	Device structure ↕	Index ↕	Description ↕
CATIO				
A2T-010Row:Ctrl-ECATIO-100	A2T-010Row	Ctrl-ECATIO	100	Digital Input for Gamma Blocker
A2T-010Row:Ctrl-ECATIO-101	A2T-010Row	Ctrl-ECATIO	101	Digital Output module for Gamma Blocker

To add an entry to table (create), a name in example above, there are a few options

- Inside table
  - Add an empty row to table and allow user to fill in columns for empty row. Have fields enabled for required and optional values, disabled otherwise. A nice behavior for example above would be to show ESS name in mentioned column (grey) as other columns are filled in.
    - A name = (System structure + Description, Comment) or (System structure, Device structure, Index + Description, Comment)
  - (Use search fields)
- Outside table
  - Use similar fields that are temporarily shown above or below table.

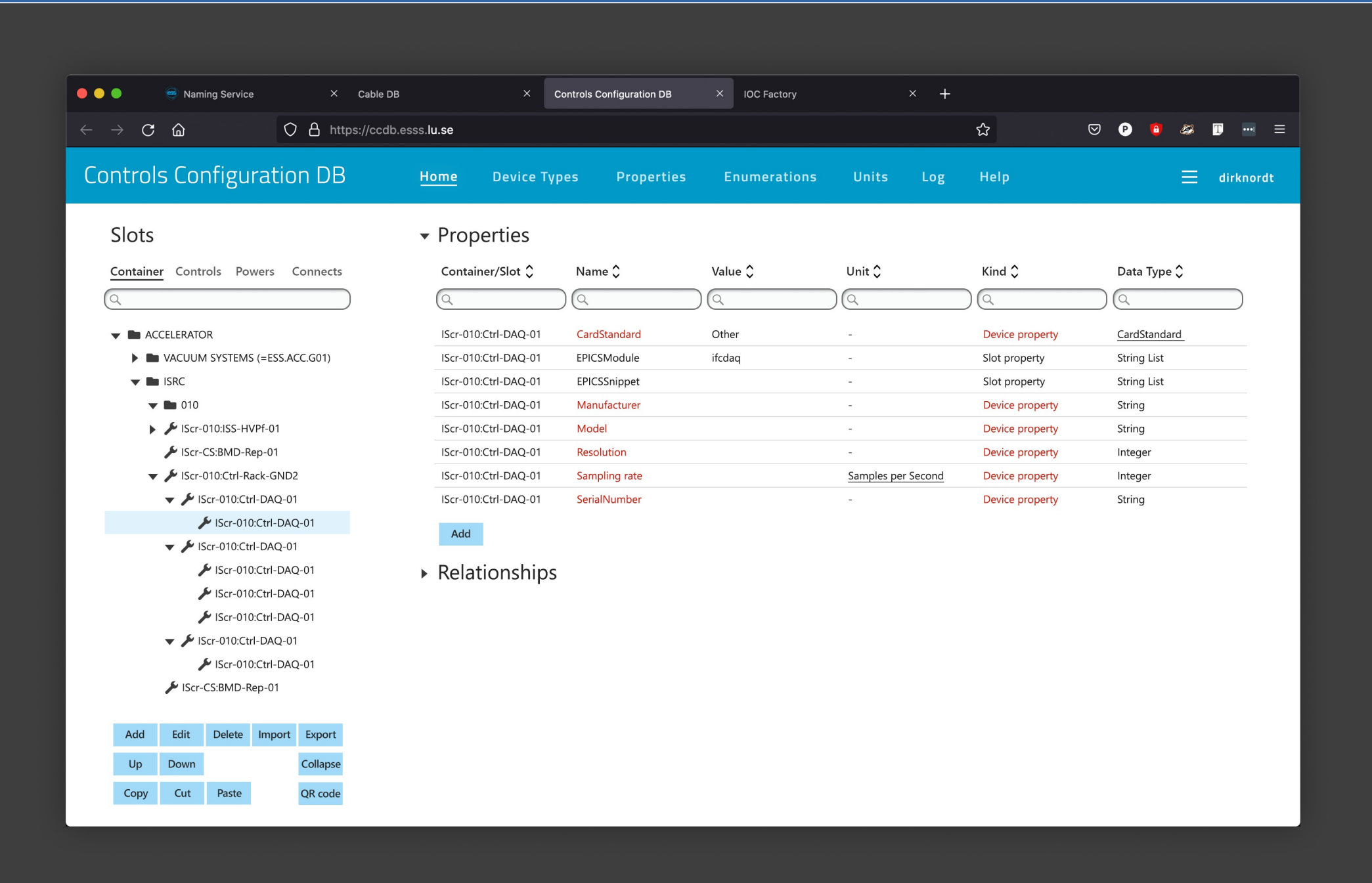
Similar for update and delete.

It should be analysed whether buttons are necessary or which buttons that should be used, e.g. save, cancel. As buttons are common, it is reasonable to have buttons and it is also common in applications to have buttons. However if table is used for editing entry and values, design is to be revisited to look at workflow and if buttons are to be used, and how if that is the case.

### Other

- Not lock search fields during search as today. Particular behavior annoy users.

Naming UI – thoughts & sketches



+ Actions

ESS Name ↕	System structure ↕	Device structure ↕	Index ↕	Description ↕
CATIO				
A2T-010Row:Ctrl-ECATIO-100	A2T-010Row	Ctrl-ECATIO	100	Digital Input for Gamma Blocker
A2T-010Row:Ctrl-ECATIO-101	A2T-010Row	Ctrl-ECATIO	101	Digital Output module for Gamma Blocker
A2T-010Row:Ctrl-ECATIO-103	A2T-010Row	Ctrl-ECATIO	103	Stepper Controller for Gamma Blocker
A2T-010LWU:Vac-ECATIO-10051	A2T-010LWU	Vac-ECATIO	10051	
A2T-090LWU:Vac-ECATIO-10052	A2T-090LWU	Vac-ECATIO	10052	EtherCAT IO Node
DTL-010Row:Ctrl-ECATIO-001	DTL-010Row	Ctrl-ECATIO	001	EtherCat IO for temperature control
DTL-010Row:Ctrl-ECATIO-002	DTL-010Row	Ctrl-ECATIO	002	EtherCat IO for Tuners Motor control
DTL-010Row:Ctrl-ECATIO-003	DTL-010Row	Ctrl-ECATIO	003	Ethercat IO for Steerer Power Supplies control
DTL-030Row:Ctrl-ECATIO-002	DTL-030Row	Ctrl-ECATIO	002	EtherCat IO for Tuners Motor control
DTL-030Row:Ctrl-ECATIO-003	DTL-030Row	Ctrl-ECATIO	003	Ethercat IO for Steerer Power Supplies control
DTL-030Row:Ctrl-ECATIO-004	DTL-030Row	Ctrl-ECATIO	004	EtherCat terminals for network connection.
DTL-010:Ctrl-ECATIO-001	DTL-010	Ctrl-ECATIO	001	RTD Module - M1 S_ID 3
DTL-010:Ctrl-ECATIO-002	DTL-010	Ctrl-ECATIO	002	RTD Module - M1 S_ID 4
DTL-010:Ctrl-ECATIO-003	DTL-010	Ctrl-ECATIO	003	RTD Module - M1 S_ID 5
DTL-010:Ctrl-ECATIO-004	DTL-010	Ctrl-ECATIO	004	RTD Module - M1 S_ID 6
DTL-010:Ctrl-ECATIO-005	DTL-010	Ctrl-ECATIO	005	RTD Module - M1 S_ID 7
DTL-010:Ctrl-ECATIO-006	DTL-010	Ctrl-ECATIO	006	RTD Module - M1 S_ID 8
DTL-010:Ctrl-ECATIO-007	DTL-010	Ctrl-ECATIO	007	RTD Module - M1 S_ID 10
DTL-010:Ctrl-ECATIO-008	DTL-010	Ctrl-ECATIO	008	RTD Module - M1 S_ID 11
DTL-010:Ctrl-ECATIO-009	DTL-010	Ctrl-ECATIO	009	RTD Module - M1 S_ID 12
Total 48067 records				
Page: 1  < << 1 2 3 4 5 6 7 8 9 10 >> >  Rows/page: 20 v				

+ Actions

Name ↕	Mnemonic↕	Status ↕	Description ↕
CATIO			
> Accelerator	Acc	Approved	The ESS Linear Accelerator
> Central Services	101	Approved	Digital Output module for Gamma Blocker
> ESS Lab	103	Approved	B02 and Utgard Labs
√ Neutron Scattering System	10051	Approved	Neutron Scattering System
> BEER	BEER	Approved	BEER neutron instrument
> BIFROST	BIFROST	Approved	BiFROST neutron instrument
> Bunker Personnel Safety System	BnrPSS	Approved	PSS system for bunker
> DREAM	DREAM	Approved	DREAM neutron instrument
> ESTIA	ESTIA	Approved	ESTIA neutron instrument
> LoKI	LOKI	Approved	The LoKI neutron instrument
> NMX	NMX	Approved	EtherCat terminals for network connection.
> ODHDS for NSS buildings	NSSODH	Approved	NSS Oxygen Deficiency Hazard Detection System
> ODIN	ODIN	Approved	ODIN neutron instrument
√ YMIR	YMIR	Approved	Test stand for neutron instruments
Chopper Subsystem 1	ChpSy1	Approved	Nuetron Chopper sub system 1
Sample beam Scan system	SpScn	Pending	Sample beam Scan system
Sample Rotation Stage	SpRot	Pending	Sample Rotation Stage
Timing System	TS	Approved	YMIR timing system
> Personnel Safety Systems	008	Approved	RTD Module - M1 S_ID 11
> Target Station	009	Approved	RTD Module - M1 S_ID 12

[+ Actions](#)

Name ⇅	Mnemonic ⇅	Index Style ⇅	Status ⇅	Description ⇅
> RF Systems	RFS	Scientific	Approved	The ESS Linear Accelerator
> Sample Environment	SE	Scientific	Approved	Sample Environment
> Sample Environment Systems	SES	Scientific	Approved	Sample environment equipment and auxiliary support equipment for..
> Software Controllers	SC	P&ID	Approved	Software Controllers Holder
v Vacuum	Vac	P&ID	Approved	BEER neutron instrument
v Control	BIFROST		Approved	Vacuum Control Functions & Controllers
EtherCAT Input / Output Node	ECATIO		Approved	EtherCAT Input and Output Node dedicated to Vacuum Control
Industrial PC	IPC		Approved	Industrial PC use to run EPICS IOC
Input Output Controller	IOC		Approved	WARNING: Please don't use this Discipline for the IOC Device but..
Power Supply Control Functionality	VPSU		Approved	Control function for power supply functionality
Vacuum Programmable Logic Controller	PLC		Approved	PLC (Programmable Logic Controller) dedicated to Vacuum Control
Vacuum Programmable Logic Controller Input / Output Node	PLCIO		Approved	PLC (Programmable Logic Controller) Input and Output Node..
Vacuum Serial To Ethernet Converter	SEC		Approved	Vacuum Serial To Ethernet Converter
> Controllers	YMIR		Approved	Test stand for neutron instruments
Indicators	ChpSy1		Approved	Nuetron Chopper sub system 1
> Pumping System	SpScn		Approved	Pumping System
> Pumps	SpRot		Approved	Sample Rotation Stage
> Sensors	TS		Approved	YMIR timing system
> Valves			Approved	
> Water Cooling	WtrC	P&ID	Approved	



Get help on how to

ESS Name

> Find			
> Create			
> Modify			
> Delete			
> View History			
> Batch			

System structure

> Find			
> Create			
> in UI			
> in REST API			
> Modify			
> Delete			
> Approve			
> Cancel			
> Reject			
> View History			
> Batch			

Device structure

> Find			
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