

JSDialogs technology update

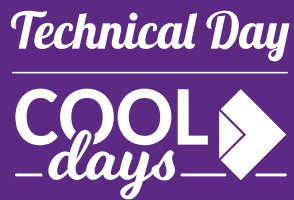
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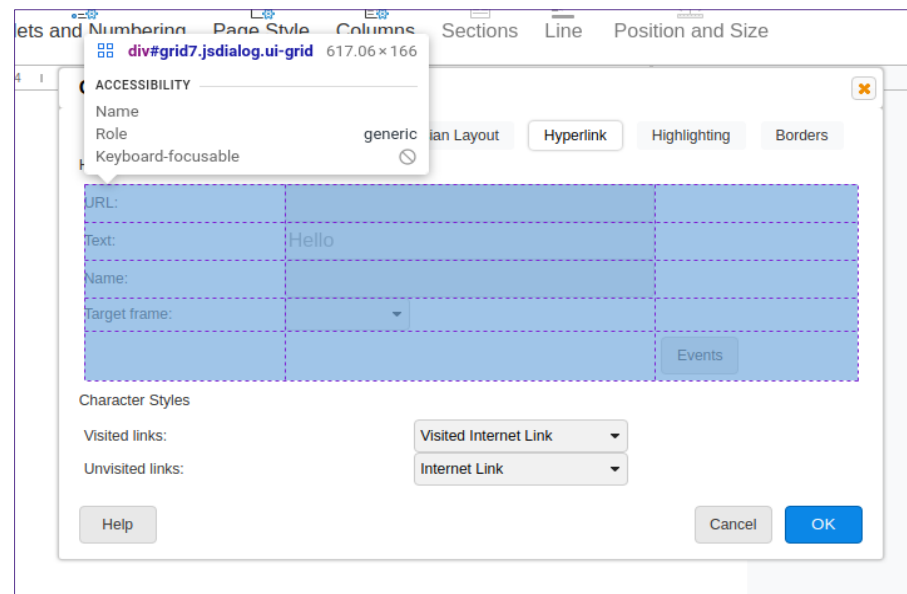
Overview

- Simplified generated structure
- Windows management in mobile wizard
- Converted vex popups to JSDialogs
- TreeView with icons
- Nested tabs
- Scrolled windows
- Advanced text editing
- New dialogs
- What is next?



Simplified generated structure

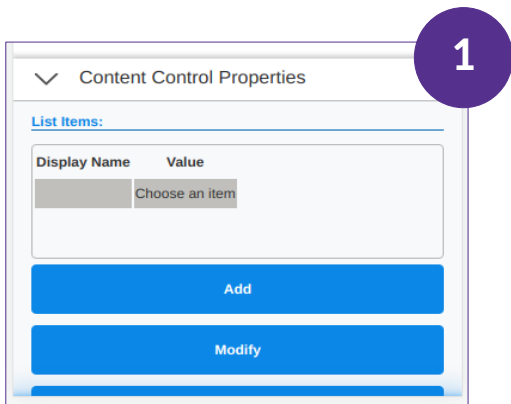
- CSS grid / flex layout everywhere
- Less containers in containers



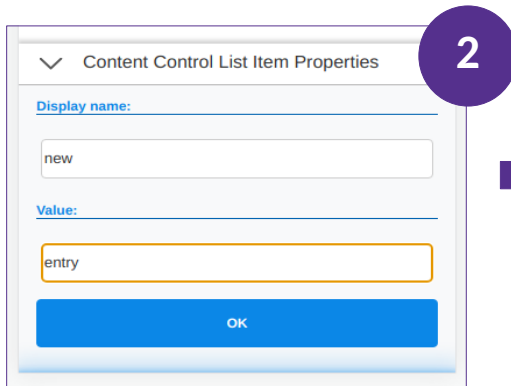


Windows management in mobile wizard

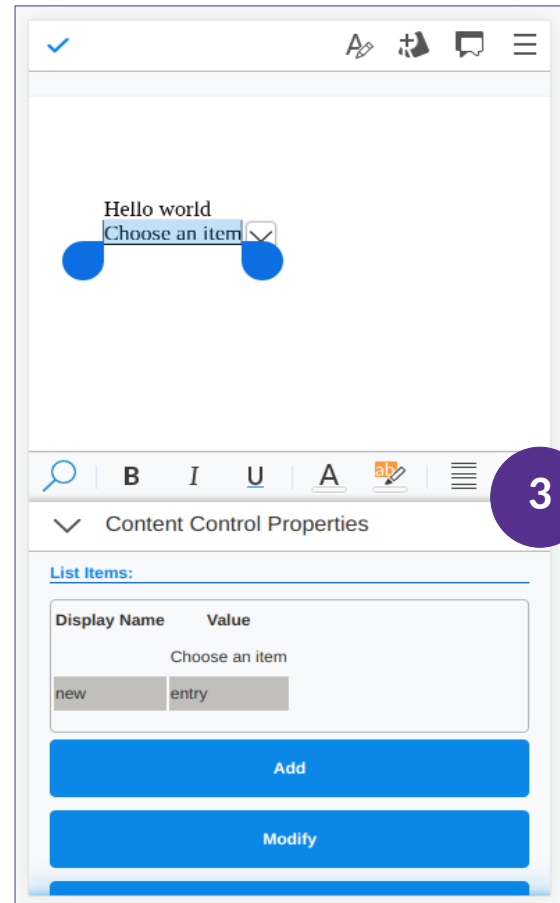
- We store stack of windows
- It is possible to go back to parent window
- Sub-dialogs doesn't close parents



1. Click "Add" in Properties dialog



2. Fill items in sub-dialog

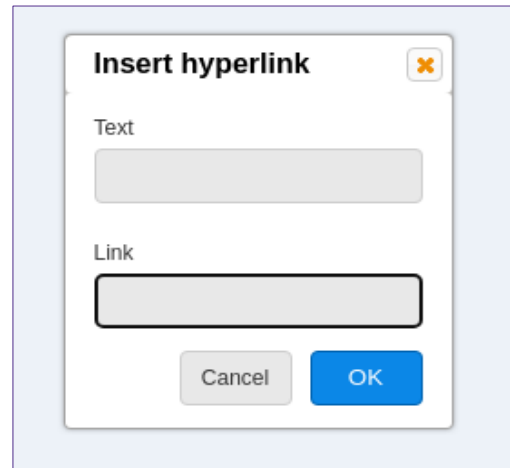


3. Parent dialog is back

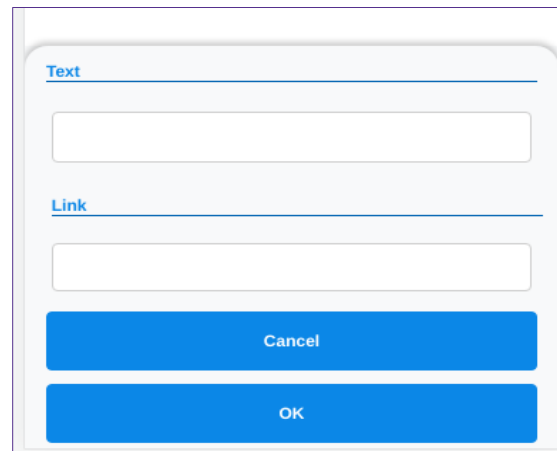


Converted vex popups to JSDialogs

- Created helpers for creating modal popups
- Converted all vex dialogs to new technology
- It is more accessible
- Unified look between popups and dialogs



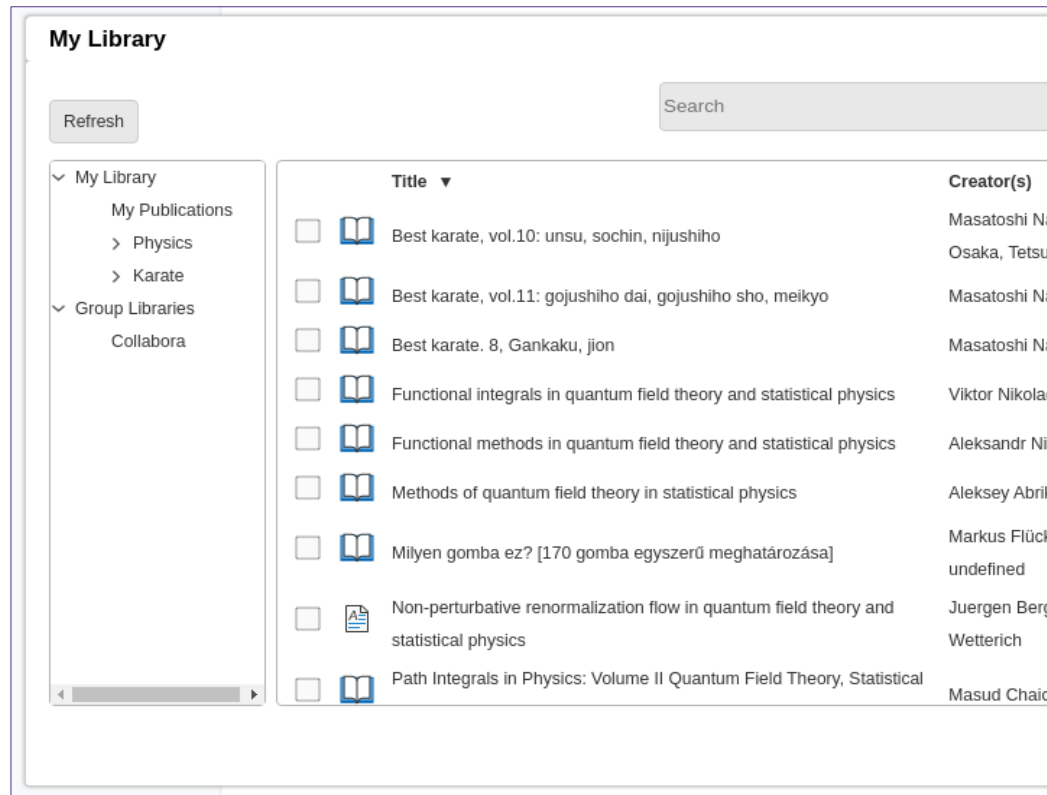
Insert hyperlink popup on desktop and mobile





TreeView with icons

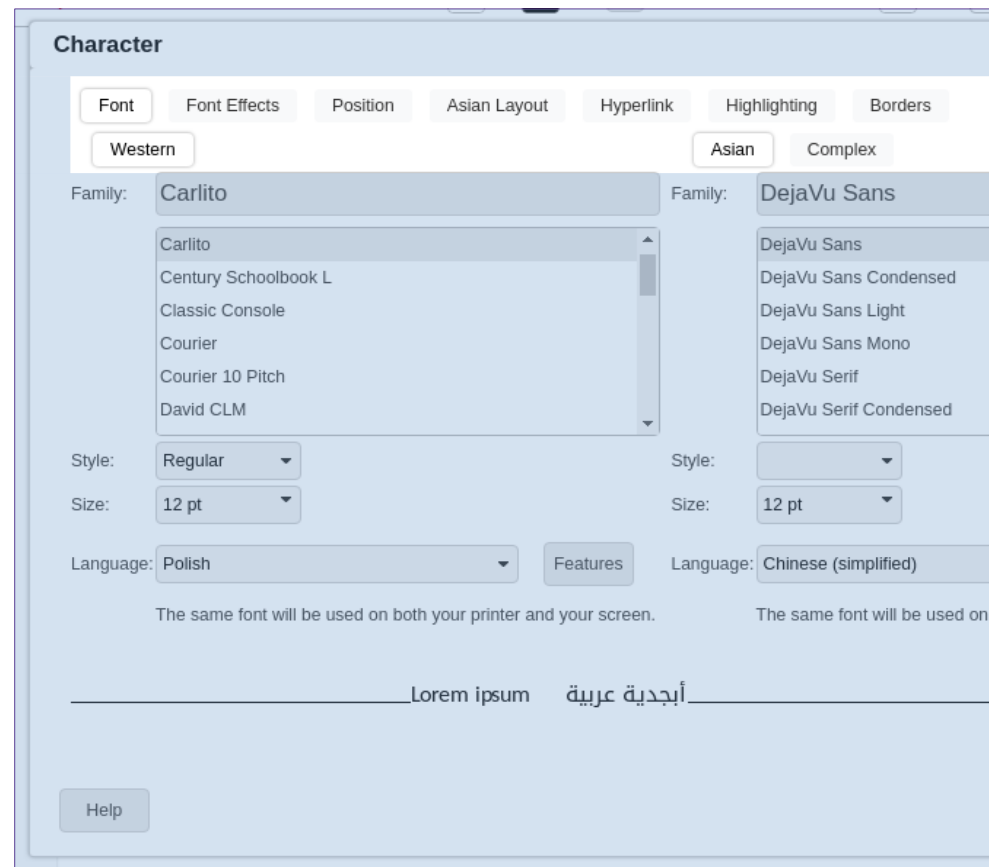
- TreeViews were updated
- Sorting, filtering, icons
- New Zotero integration uses these features





Nested tabs

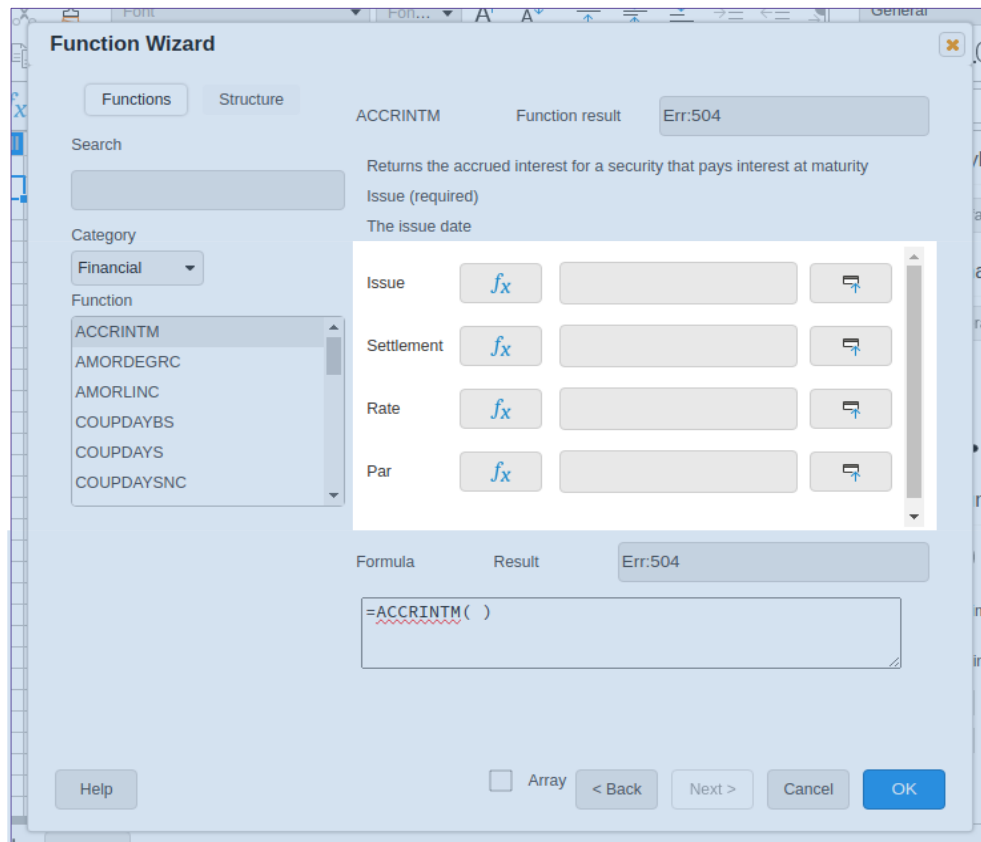
- Complex dialogs with many tabs support
- Tabs can be nested in other tabs
- Reduced messages when switching between tabs





Scrolled windows

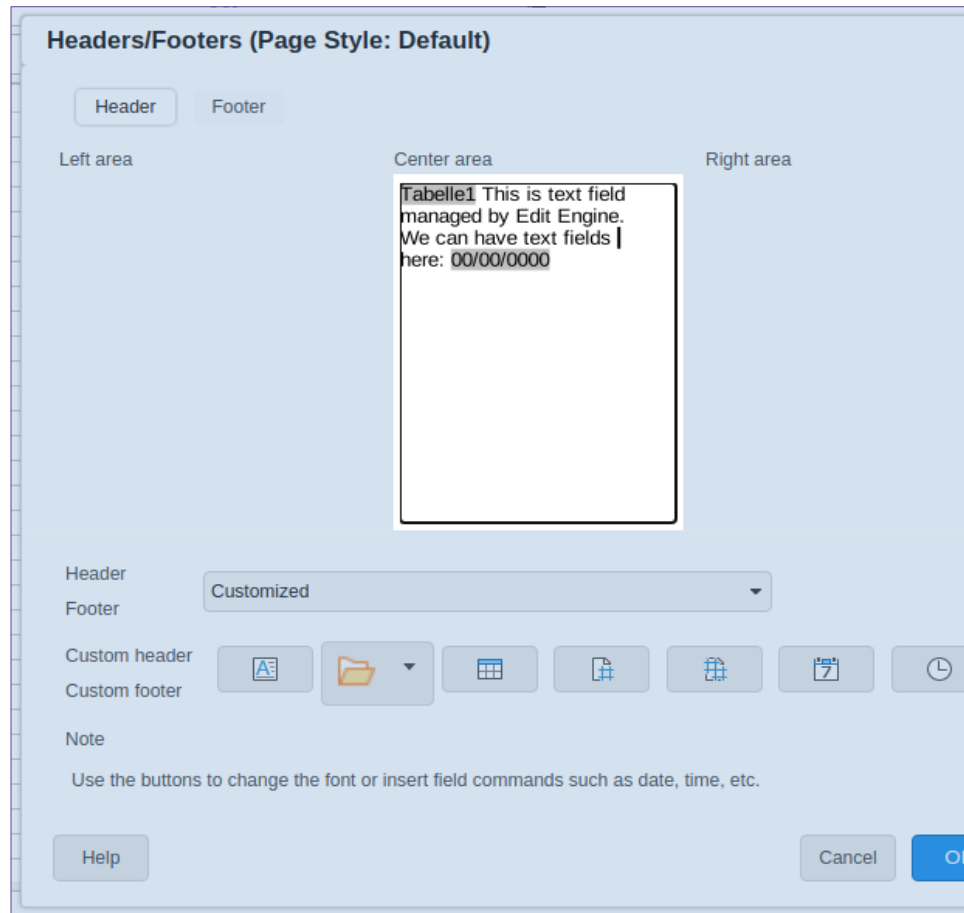
- Dialogs with scrollable sub-windows support
- Client application simulates scrolling while content is not moved – when dialog manages scrolling





Advanced text editing

- For formatted text editing we use EditEngines in LO
- With welding it is drawn on a Drawing Area widget
- Added support for typing





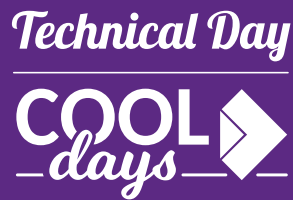
New dialogs

- Converted many dialogs to native HTML controls
- Chart wizard, Function wizard, Character properties...



What is next?

- Optimization: sidebar sends large messages
- We can start using TypeScript for widgets implementation
- More accessibility and UX work



Thank you!

By Szymon Kłos

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