Spread sheeting made easier: Auto filter and Freeze panes

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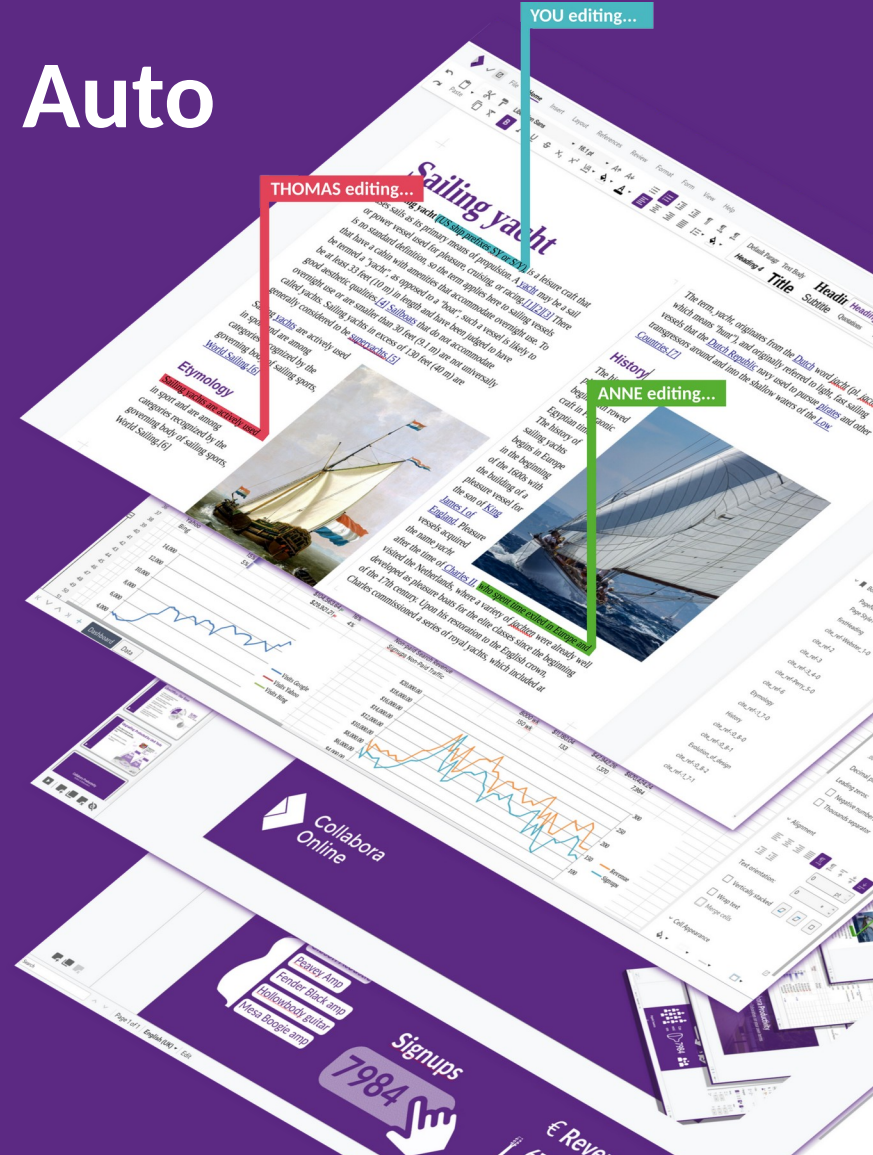darshan.upadhyay@collabora.com

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Auto-filter

- Auto-filter in Calc allows automatic data filtering based on user-defined criteria, streamlining data analysis.

- Users select a data range, apply auto-filter, then set criteria for each column to display only relevant data.

- This feature simplifies handling large datasets by hiding rows that don't meet specified conditions, enhancing productivity.

Auto-Filter usability improvements

- Problem : Auto filter child POP-UP has fixed position on screen
  - The "Filter by colour" and "Filter by condition" pop-ups consistently appear at a fixed position on the screen, disregarding the position of their parent dialogue.

- Improvement
  - The child pop-ups for auto filter now exhibit a hierarchical tree-like behaviour, appearing adjacent to their corresponding parent dialogues rather than being fixed in position
  - Control.JSDialog.js#L572

Auto-Filter usability improvements

- Change checkbox state by click on checkbox label.

- The current behaviour only applies the filter when the checkbox is checked or unchecked, not when the label is clicked. The desired behaviour is for the filter to be applied when either the label or the checkbox is clicked.

- Now we can check/uncheck by clicking on label

Auto-Filter usability improvements

- The Auto-filter dialogue now maintains consistency in **Right-to-Left (RTL)** mode, ensuring alignment and layout integrity for improved usability

- **Replacing radio buttons with checkboxes in the "Filter by colour" dialogue** for consistency with the core design.

- Adjusting child pop-up dialogues to remain fully visible, **avoiding overlap with the window's edge.**

- Addressing **view jump** issues.

- Incorporating **Cypress tests for enhanced error detection**, mitigating potential regressions in the future.

Auto-Filter usability improvements

- Hide unfamiliar extra buttons ✅ (ballot box with check) followed by a ☒ ballot box with x

- Incorporate a visual separator line for the separator case, treating it as a visual property rather than a filter option
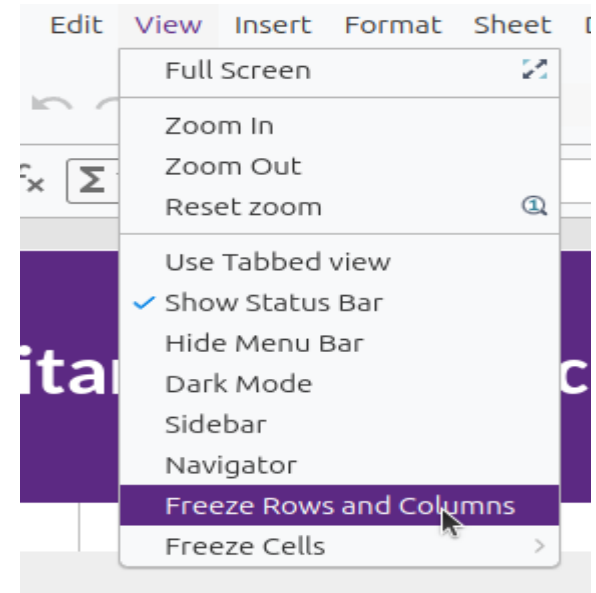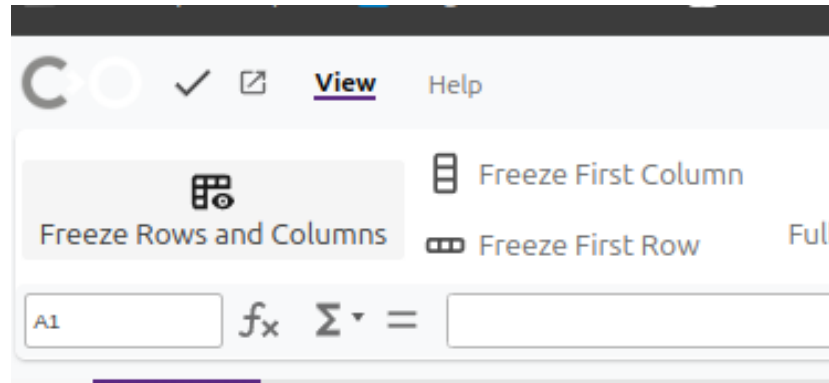
Freeze Panes in Spreadsheets

- Freeze panes keeps rows or columns in place when scrolling through your spreadsheet.

- It's like pinning important info, such as headers, so you always see them, wherever you are in your data.

- Improve spreadsheet navigation by using freeze panes to keep key data visible, making analysis and organization easier.
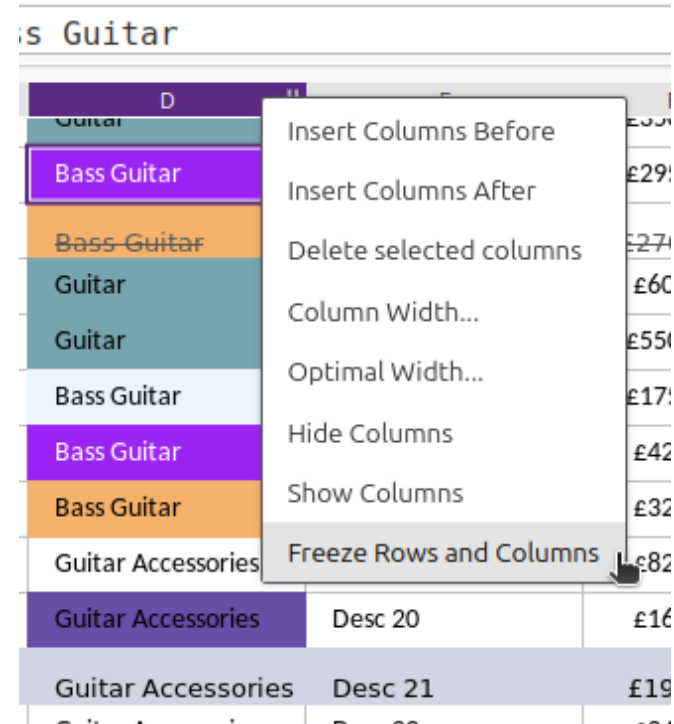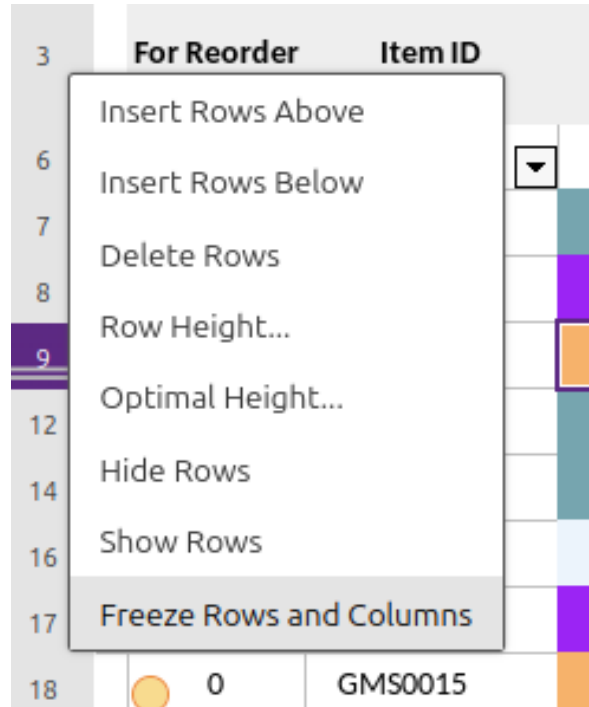
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'Freeze View' Function Placement

- **Unified Menu Placement**: The freeze options have been migrated from the "Layout" tab to the "View" tab across all interface views (compact and tabbed) for consistent access.

- **Enhanced UX**: Introduced freeze panes options directly within the column/row header's right-click context menu, mirroring the functionality familiar to Calc users, for intuitive access and control.

Rework on Freeze Pane Lines

- **Sharper, More Visible Dividers**: Transition to a darker, more pronounced line for split-pane dividers, distinct from standard row/column separators.

  - Improved visual clarity and navigational ease within spreadsheets.

- **Context-Aware Gradient Removal**: Eliminate the gradient effect when no content is hidden beneath the divider, such as at the top of the sheet.

  - This adjustment will be dynamically applied based on the divider's position, ensuring visual simplicity where applicable.

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After

For Reorder	Quantity in Stock	Inventory Value	Minimum Order Level	Lead Time	Quantity in Reorder	Discontinued?
0	151	£42,280.00	114	11	150	
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0	62	£18,290.00	39	12	50	
0	5	£1,350.00	9	13	150	Yes
0	122	£7,320.00	82	3	150	
0	176	£96,800.00	229	1	100	
0	72	£12,600.00	102	9	100	
0	62	£2,604.00	83	2	100	
0	46	£1,472.00	23	15	50	

After

Credits

- Pedro Pinto da Silva (pedro.silva@collabora.com)
- Szymon Kłos (szymon.klos@collabora.co.uk)

Thank you!

By Darshan Upadhyay

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