

Product Requirements Prompt (PRP)

Feature: Active/Inactive Filter

Version: 1.0

Objective

To modify the index.html file to include a primary "Show Inactive" filter. This involves adding a new checkbox to the top of the sidebar and updating the main JavaScript filtering pipeline to correctly show or hide plugins based on their active boolean status.

Execution Plan

Phase 1: HTML Structure Modification (index.html)

1. Add Filter Element:

- Locate the <aside> element (the sidebar).
- Directly below the div containing the search input, add a new div for the active/inactive filter.
- Inside this new div, create an <input type="checkbox"> with id="active-filter-checkbox" and a corresponding <label>. The label text will be "Show Inactive Plugins".

Phase 2: JavaScript Logic Refactoring & Implementation (index.html)

The main script will be updated to incorporate this new, primary filter at the beginning of the filtering pipeline.

1. Update State Management:

- The application state will be updated to track the status of this new filter. A simple boolean variable, let showInactive = false;, will be sufficient.

2. Update applyAllFilters() Function:

- The very first step inside this function will now be to determine the base dataset for all subsequent filters.
- **Logic:**
 - Create a variable let baseData = window.vaultData;

- Check the status of the showInactive state variable (or the checkbox's checked property).
- If showInactive is false (the default), pre-filter baseData to only include plugins where plugin.active === true.
- All subsequent filters (text search, type, families, tags) will then operate on this pre-filtered baseData array, not the full window.vaultData.

3. **Attach Event Listener:**

- Get a reference to the new #active-filter-checkbox element.
- Attach a change event listener to it.
- The listener's callback will:
 - Update the showInactive state variable based on whether the checkbox is checked.
 - Call the master applyAllFilters() function to re-render the grid with the new primary filter applied.

4. **Update Initial Load:**

- The initial call to applyAllFilters() on page load will now correctly use the default state (showInactive = false), ensuring only active plugins are displayed when the application first starts.

Final Review

- Confirm the "Show Inactive Plugins" checkbox is correctly positioned at the top of the filter section.
- Verify that on initial page load, only active plugins are displayed.
- Test that checking the box correctly adds the inactive plugins to the view.
- Test that unchecking the box removes them again.
- Confirm that this filter works correctly in combination with all other existing filters (text search, type, families, and tags).

Approval Request: The Product Director is requested to review this

PRP. Upon approval, the Code Engine will proceed with the execution phase.