

Feature Context: Multi-Select Checkbox Filters

Version: 1.1

1. Feature Description

The goal is to implement multi-select checkbox filters for the type, families, and tags data fields. This feature will allow the user to combine multiple criteria to perform powerful, granular searches of the plugin vault.

2. User Story

As a user, I want to be able to select a primary plugin type (like "instrument" or "fx") and then further refine my search by selecting multiple categories (like "compressor" and "opto"), so I can narrow down the list to find the exact tool I need.

3. Core Requirements

- **Dynamic Filter Generation:**

- The application must automatically scan the entire vaultData on load.
- It must create three unique, alphabetized lists: one for all available types, one for families, and one for tags.
- These unique lists must be used to dynamically generate three corresponding groups of checkboxes in the sidebar.
- The filter groups must be displayed in the following order:
Type, Families, Tags.

- **Filtering Logic:**

- The filtering pipeline will be: Text Search -> Type Filter -> Families Filter -> Tags Filter.
- The type filter should use **"OR" logic**. A plugin will be displayed if it matches **any** of the selected types.
- The families and tags filters will continue to use **"AND" logic**.

- **UI Interaction:**

- Checking or unchecking any box must instantly trigger a re-filtering of the plugin grid.

4. Vibe & Aesthetic

- **Vibe:** "Tactile & Immediate". The interaction should feel like pressing buttons on a hardware controller.
- **Analogy:** The filtering experience should be as intuitive and powerful as using the tag-based filtering system in a professional sample library manager.
- **Styling:** The checkboxes will be styled to fit the existing themes.

5. Known Constraints

- This feature will complete the core filtering functionality for the application.