Product Requirements Prompt (PRP)

Feature: Auto-Refresh After Save

Version: 1.0

Objective

To modify the frontend JavaScript logic in index.html. The goal is to make the application's UI update automatically and instantly after a new plugin is successfully saved, without requiring a manual page reload.

Execution Plan

Phase 1: JavaScript Logic Modification (index.html)

The primary changes will be within the .then() block of the fetch call inside the initAddPluginModal function's submit event listener.

1. **Handle Server Response:**
   - The existing logic already receives a success response from the server. This response contains a JSON object which includes the newly created plugin (complete with its server-generated ID) under the key new_plugin.

2. **Update In-Memory Data:**
   - Upon receiving the success response, the script will access the data.new_plugin object.
   - It will perform a defensive check to ensure this object exists.
   - If it exists, it will be added to the end of the global window.vaultData array using the .push() method.

3. **Trigger UI Refresh:**
   - Immediately after updating the window.vaultData array, the script will call two existing functions in sequence:
     - **a. populateFilters():** This is critical. It will re-scan the now-updated vaultData and rebuild the checkbox filters in the sidebar. This ensures that if the new plugin

introduced a brand new family or tag, it immediately appears as a filter option.

- **b. applyAllFilters():** This function will then re-render the main plugin grid. Because it reads from the updated vaultData, the new plugin will appear in the grid, correctly sorted and filtered according to the user's current view.

4. **Update User Feedback:**
   - The current alert() message is disruptive. It will be replaced with a more subtle and professional feedback mechanism, such as a brief "Plugin Saved" message that appears and then fades out, or a simple console.log for now.

Final Review

- Confirm that after saving a new plugin, the modal closes and the new plugin appears in the main grid without a page reload.
- Verify that the total item count in the "Plugins" header updates correctly.
- Check the Families and Tags filter lists. If the new plugin introduced a new category, confirm that it now appears as a checkbox option.
- Test that the application remains stable and all existing filters continue to work correctly after the new plugin is added.

Approval Request: The Product Director is requested to review this PRP. Upon approval, the Code Engine will proceed with the execution phase.