New Tab Bookmarks Extension

This document contains a complete list of all features and functions that have been part of the Bookmark Dashboard Chrome Extension across all versions, from v0.0.1 through v2025.9.16.

Core Dashboard Features

1. **New Tab Page Replacement** Replaces Chrome's default new tab with a customizable bookmark dashboard
2. **Bookmark Cards** Organized sections that group related bookmarks together with customizable titles and colors

Bookmark Management

3. **Add/Edit/Delete Cards** Full CRUD operations for bookmark cards through edit mode
4. **Add/Edit/Delete Links** Manage individual bookmarks within cards
5. **Sub-links** Nested bookmark organization with expandable sub-menus that appear on hover
6. **Starred Sub-links** Mark important sub-links as starred for priority display
7. **Quick Links Display** Primary links shown directly on cards for quick access

Visual Customization

8. **Icon Library** 100+ Material Design/Heroicons SVG icons for bookmark customization
9. **Icon Picker with Search** Enhanced icon selection interface with search functionality and categorization
10. **Icon Styles** Toggle between outline and filled icon variants
11. **Adjustable Icon Stroke Width** Fine-tune icon appearance with variable stroke widths
12. **Color Picker** Comprehensive color selection for cards and links with Tailwind v4 color palette
13. **Theme System** Multiple predefined themes (light, dark, midnight, sunset, ocean, forest, etc.)
14. **Dynamic Theme Switching** Real-time theme changes without page reload
15. **CSS Variable-based Theming** Modern theming architecture using CSS custom properties

Layout & Responsive Design

16. **Masonry Grid Layout** Smart responsive grid that adapts to screen size
17. **Adjustable Card Width** Five size options (xs, sm, md, lg, xl) for card width control
18. **Container Margin Settings** Customizable margins (none, narrow, medium, wide, xwide)
19. **Uniform Card Height Option** Toggle to maintain consistent card heights

20. **Maximum Columns Control** Set max number of columns in the grid
21. **Responsive Breakpoints** Automatic layout adjustments for different screen sizes

Drag & Drop Functionality

22. **Card Reordering** Drag cards to rearrange their position
23. **Link Reordering** Drag links within cards to reorder them
24. **Visual Drag Feedback** Highlighted drop zones and drag preview during operations
25. **Order Persistence** Maintain custom ordering across sessions

Data Storage & Sync

26. **Chrome Storage API Integration** Uses Chrome's built-in storage system
27. **Sync Storage Support** Cross-device synchronization via Chrome Sync
28. **Local Storage Fallback** Automatic fallback when sync storage unavailable or quota exceeded
29. **Hybrid Storage System** Intelligent sync-first approach with local mirroring
30. **Background Service Worker Sync** Real-time bidirectional sync between local and sync storage

31. **Device ID Tracking**   Track which device
made last changes

32. **Offline Queue Management**   Queue changes
when offline for later sync

33. **Sync Status Indicator**   Visual feedback for
sync state in UI

34. **Storage Quota Monitoring**   Track storage usage
to prevent quota issues

35. **Chunked Data Storage**   Split large data into
chunks for sync storage limits

Data Management

36. **Import/Export Settings**   Backup and restore
complete dashboard configuration as JSON

37. **Reset to Defaults**   Clear all data and
restore default configuration

38. **Reset Layout Settings**   Reset only layout
configurations while preserving bookmarks

39. **Data Migration System**   Automatic version
migration when updating extension

40. **Recovery Script**   Emergency recovery
tool to restore lost bookmarks from backups

User Interface Features

41. **Edit Mode Toggle**   Switch between view
and edit modes for card management

42. **Modal System** Clean modal interfaces for forms and settings
43. **Sub-links Modal/Tooltip** Hover-triggered popup showing nested bookmarks
44. **Settings/Options Page** Dedicated page for configuration management
45. **Popup Extension Icon** Quick access to settings via extension icon
46. **Live Preview Mode** Preview layout changes before saving
47. **Visual Feedback Messages** Success/error notifications for user actions
48. **Keyboard Shortcuts** ESC to close modals, quick navigation

Performance & Architecture

49. **Manifest V3 Compliance** Built using latest Chrome extension standards
50. **Content Security Policy** Secure implementation with no inline scripts
51. **Pure JavaScript** No build process required, vanilla JS implementation
52. **Preline UI Components** Use Preline components for consistent UI and UX
53. **Module-based Architecture** Organized code structure with separate modules
54. **Event-driven Updates** Custom events for component communication

55. **Debounced Operations** — Optimized performance for frequent operations

Network & Status Features

56. **Online/Offline Detection** — Monitor network status for sync operations
57. **Network Status Listeners** — React to connection changes
58. **Sync Queue Processing** — Process pending changes when coming online
59. **Last Sync Time Tracking** — Display when data was last synchronized

Backup & Recovery

60. **Automatic Local Backup** — Save backup copies to local storage
61. **Manual Recovery Tool** — JavaScript snippet for emergency data recovery
62. **Chunked Data Reconstruction** — Rebuild data from chunked storage format
63. **Version-specific Migrations** — Handle data structure changes between versions

Version-specific Features

64. **Storage Fix Module** Special module to handle storage issues (storage-fix.js)
65. **Broken Version Recovery** newtab-broken.js as fallback/debug version
66. **Enhanced Icon Utils** Advanced icon manipulation utilities
67. **Theme Manager Module** Dedicated module for theme management