

Memoir.ai — UX_SPECS / SCREEN_SPECS

This document defines implementation-grade UX specifications for screens previously lacking granular detail. It covers component inventories, interaction states, transitions, and routing implications required for engineering execution.

Global UX Conventions

Layout Zones

All screens follow the standard shell:

- Left Sidebar Navigation
- Top Context Bar
- Main Content Workspace
- Optional Right Inspector Panel
- Modal Layer for destructive or blocking flows
- Toast/Notification Layer

Standard UI States

Each screen must support:

- Loading
- Empty
- Error (recoverable)
- Error (fatal)
- Success confirmation
- Background processing indicator
- Offline or locked vault state

Animation Rules ("Nebula" Motion Language)

Animations must remain subtle and calm.

Patterns:

- Soft opacity fades (150–250ms)
- Slight vertical elevation on entry (4–8px)
- Timeline alignment pulse for completed operations
- Non-blocking shimmer for loading content
- Avoid rapid motion or bright flashes

Motion should never delay task completion.

SCREEN: BILLING

Purpose

Manage subscription, payment methods, invoices, and usage limits.

Primary Components

- Plan Summary Card
- Current Tier Indicator
- Upgrade/Downgrade Options
- Usage Metrics Panel
- Payment Method Manager
- Invoice History Table
- Subscription Cancellation Panel
- Trial Status Indicator
- Renewal Countdown Indicator

Interaction Flows

Upgrade Flow

1. User selects plan.
2. Plan comparison modal opens.
3. User confirms selection.
4. Payment method validated.
5. Confirmation displayed.
6. Limits updated live.

Cancellation Flow

1. User clicks cancel subscription.
2. Confirmation modal with retention messaging.
3. User confirms cancellation.
4. Subscription remains active until billing end.
5. UI reflects pending cancellation.

States

Loading:

- Skeleton cards for plans.
- Placeholder invoice list.

Empty:

- No invoices message.
- No payment method warning.

Error:

- Payment failure alert.
- Retry payment action.

Success:

- Toast confirmation after payment update.
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SCREEN: SETTINGS

Purpose

Manage vault configuration, privacy, imports, and preferences.

Tabs

1. General
2. Vault & Storage
3. Imports
4. Privacy & Security
5. Snapshots Preferences
6. Advanced Diagnostics
7. Keyboard Shortcuts

Component Breakdown

General:

- Theme toggle
- Default landing screen selector
- Notification preferences

Vault & Storage:

- Vault path display
- Move vault action
- Storage usage visualization
- Export vault data
- Delete vault data

Imports:

- Default import folders
- Auto-deduplication toggle
- Parser performance mode

Privacy & Security:

- Passphrase change flow
- Vault lock timeout setting
- Local analytics toggle

Snapshots Preferences:

- Default narrative tone
- Summary length preference
- Auto-citation toggle

Advanced Diagnostics:

- Logs viewer
- Rebuild index action
- Repair vault action

Keyboard Shortcuts:

- Shortcut viewer
- Custom mapping

States

Loading:

- Tab-level skeleton loaders.

Error:

- Vault path inaccessible warning.
- Index repair suggestion.

Success:

- Toast confirmation after settings save.
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SCREEN: SNAPSHOTS

Purpose

Generate, manage, and refine narrative outputs.

Primary Components

- Snapshot List Panel
- Snapshot Preview Panel
- Source Event Selector
- Version History Viewer
- Regenerate Snapshot Button

- Citation Viewer
- Edit Draft Panel
- Export Snapshot Controls

Interaction Flow

Snapshot Creation:

1. User selects events or time range.
2. Snapshot generation job begins.
3. Progress indicator shown.
4. Draft appears in preview.
5. User edits or approves.

Regeneration:

1. User triggers regenerate.
2. Previous version archived.
3. New version replaces preview.

Version Navigation:

- Users can revert to previous versions.
- Version diffs shown inline.

States

Loading:

- Placeholder narrative blocks.

Empty:

- No snapshots created message.

Error:

- Generation failure with retry option.

Success:

- Snapshot created toast confirmation.
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ROUTE STRUCTURE

Core Routes

/app /app/timeline /app/imports /app/snapshots /app/settings /app/billing /app/jobs

Nested Routes

/app/snapshots/:snapshotId /app/timeline/event/:eventId /app/settings/:tab

Parameters

- snapshotId
- eventId
- tab
- sourceId

Deep links must restore scroll and selection state.

Accessibility Requirements

- Full keyboard navigation
 - Screen reader labeling
 - Minimum AA contrast ratios
 - Focus states for all interactive elements
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Error Handling Philosophy

Errors must always provide:

1. Explanation
2. Recovery action
3. Non-destructive fallback

Never leave user in a blocked state.

Completion Criteria

UX_SPECS considered complete when:

- All screens support loading, empty, error, and success states.
 - Navigation routes map to functional screens.
 - Motion guidelines consistently applied.
 - Settings and billing flows validated.
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