

# Business Requirements Document (BRD)

## 1. Introduction

### 1.1 Purpose

The purpose of this document is to outline the business requirements for **Threadnos**, a platform that allows users to write pages in threads, create new threads, and group multiple threads together. This document will guide the development team to ensure the final product meets user needs and business goals.

### 1.2 Scope

This document covers the functional and non-functional requirements for **Threadnos**, including user stories, features, and success metrics. It focuses on enabling users to create, manage, and organize threads effectively.

### 1.3 Objectives

- To provide a platform for users to write and organize content in threads.
  - To enable users to create new threads and group related threads together.
  - To deliver a user-friendly and intuitive interface for seamless content creation and management.
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## 2. Business Requirements

### 2.1 Background

Threadnos addresses the need for a structured and flexible way to organize written content. Traditional note-taking or document management tools often lack the ability to group related content dynamically. Threadnos solves this by allowing users to create threads, write pages within them, and group threads into meaningful collections.

### 2.2 Business Goals

- Provide a platform for users to create and manage threaded content.
- Enable users to group threads for better organization and context.
- Increase user engagement by offering a unique and intuitive content creation experience.

### 2.3 Success Metrics

- **User Adoption:** 10,000 active users within the first 6 months of launch.
- **Engagement:** Average of 5 threads created per user per month.
- **Retention:** 70% of users return to the platform weekly.

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## 3. User Stories

### 3.1 User Story 1

- **Title:** Create a New Thread
- **As a:** User
- **I want to:** Create a new thread
- **So that:** I can start writing and organizing my content.
- **Acceptance Criteria:**
  1. A "Create Thread" button is visible on the dashboard.
  2. Clicking the button opens a form to name the thread.
  3. The thread is saved and displayed in the user's thread list.

### 3.2 User Story 2

- **Title:** Write Pages in a Thread
- **As a:** User
- **I want to:** Write and save pages within a thread
- **So that:** I can add content to my threads.
- **Acceptance Criteria:**
  1. Each thread has an "Add Page" button.
  2. Clicking the button opens a text editor for writing.
  3. Pages are saved and displayed in chronological order within the thread.

### 3.3 User Story 3

- **Title:** Group Multiple Threads Together
- **As a:** User
- **I want to:** Group related threads into a collection
- **So that:** I can organize my content more effectively.
- **Acceptance Criteria:**
  1. A "Group Threads" option is available in the dashboard.
  2. Users can select multiple threads and assign them to a group.
  3. Groups are displayed as folders or categories in the user's dashboard.

### 3.4 User Story 4

- **Title:** View and Navigate Threads
- **As a:** User
- **I want to:** View and navigate through my threads and pages
- **So that:** I can easily access and manage my content.
- **Acceptance Criteria:**
  1. Threads are displayed in a list or grid view.
  2. Clicking a thread opens its pages for viewing and editing.
  3. Users can search and filter threads by name or group.

### 3.5 User Story 5

- **Title:** Edit a Thread
- **As a:** Writer
- **I want to:** Edit a thread
- **So that:** I can maintain a logical flow of my content.
- **Acceptance Criteria:**
  1. The writer can reorder pages within a thread by dragging and dropping.
  2. The writer can rename the thread (thread name must be unique and not empty).
  3. The changes must be saved the next time the user enters the thread.

### 3.6 User Story 6

- **Title:** Delete a Page
- **As a:** Writer
- **I want to:** Delete a page
- **So that:** I can remove content I no longer need.
- **Acceptance Criteria:**
  1. The writer can delete an individual page from a thread.
  2. The writer is prompted with a confirmation message before deletion (e.g., "Are you sure you want to delete this page?").
  3. Once deleted, the page is permanently removed and cannot be recovered unless a version history or undo option is available.

### 3.7 User Story 7

- **Title:** Add a Title or Heading to Each Page
- **As a:** Writer
- **I want to:** Add a title or heading to each page
- **So that:** I can easily identify them.
- **Acceptance Criteria:**
  1. The writer can add a title or heading to the top of the page.
  2. The title should be visible to the writer while editing and in the thread overview.
  3. The writer can edit or change the title as needed.

### 3.8 User Story 8

- **Title:** Search Through Pages and Threads
- **As a:** Writer
- **I want to:** Search through my pages and threads
- **So that:** I can quickly find specific content.
- **Acceptance Criteria:**
  1. The writer can use a search bar to search for keywords within the content of all pages in a thread.
  2. The search results should highlight the relevant content and show the corresponding page.
  3. The writer can also search by page title.

### 3.9 User Story 9

- **Title:** View Page Details
- **As a:** Writer
- **I want to:** View the details of my pages
- **So that:** I can track my progress and edits.
- **Acceptance Criteria:**
  1. The writer can see a live word count in the page editor.
  2. The word count is updated as the writer types and deletes content.
  3. The page must display the last time it was saved.

### 3.10 User Story 10

- **Title:** Export Pages or Threads
  - **As a:** Writer
  - **I want to:** Export my pages or threads
  - **So that:** I can share or back up my work.
  - **Acceptance Criteria:**
    1. The writer can export an individual page or an entire thread in common formats (e.g., PDF, text file).
    2. The exported file includes all text, formatting, and images within the page or thread.
    3. The writer can download the exported file or email it to themselves.
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## 4. Functional Requirements

### 4.1 Feature 1: Thread Creation

- **Description:** Users can create new threads with a unique name.
- **Requirements:**
  1. A form for naming the thread.
  2. Validation to ensure thread names are unique per user.
  3. Threads are saved and displayed in the user's dashboard.

### 4.2 Feature 2: Page Writing

- **Description:** Users can write and save pages within a thread.
- **Requirements:**
  1. A text editor for writing pages.
  2. Pages are saved automatically or manually.
  3. Pages are displayed in chronological order within the thread.

### 4.3 Feature 3: Thread Grouping

- **Description:** Users can group multiple threads into collections.
- **Requirements:**
  1. A "Group Threads" feature in the dashboard.
  2. Users can name and manage groups.
  3. Threads can be added or removed from groups.

### 4.4 Feature 4: Thread Navigation

- **Description:** Users can view, search, and filter threads.
- **Requirements:**
  1. Threads are displayed in a list or grid view.
  2. Search and filter functionality by name, group, or date.
  3. Clicking a thread opens its pages for viewing and editing.

#### 4.5 Feature 5: Thread Editing

- **Description:** Users can edit threads to maintain content flow.
- **Requirements:**
  1. Drag-and-drop functionality to reorder pages within a thread.
  2. Ability to rename threads (unique and non-empty names).
  3. Changes are saved automatically or upon exiting the thread.

#### 4.6 Feature 6: Page Deletion

- **Description:** Users can delete pages they no longer need.
- **Requirements:**
  1. A delete option for individual pages.
  2. Confirmation prompt before deletion.
  3. Permanent removal of pages (unless version history is enabled).

#### 4.7 Feature 7: Page Titles

- **Description:** Users can add titles or headings to pages.
- **Requirements:**
  1. A title field at the top of each page.
  2. Titles are visible in the thread overview and editor.
  3. Titles can be edited or changed as needed.

#### 4.8 Feature 8: Search Functionality

- **Description:** Users can search through pages and threads.
- **Requirements:**
  1. A search bar for keyword searches within thread content.
  2. Highlighted search results and corresponding pages.
  3. Ability to search by page title.

## 4.9 Feature 9: Page Details

- **Description:** Users can view details about their pages.
- **Requirements:**
  1. Live word count displayed in the editor.
  2. Word count updates dynamically as content changes.
  3. Display of the last saved timestamp for each page.

## 4.10 Feature 10: Export Functionality

- **Description:** Users can export pages or threads.
  - **Requirements:**
    1. Export options for individual pages or entire threads.
    2. Support for common formats (e.g., PDF, text file).
    3. Ability to download or email exported files.
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## 5. Non-Functional Requirements

### 5.1 Performance

- **Description:** The platform should handle up to 10,000 concurrent users.
- **Requirements:**
  1. Threads and pages should load within 2 seconds.
  2. The platform should support up to 1,000 threads per user.

### 5.2 Security

- **Description:** User data must be secure and private.
- **Requirements:**
  1. Data encryption for all user content.
  2. Secure authentication (e.g., OAuth, two-factor authentication).

### 5.3 Usability

- **Description:** The platform should be intuitive and easy to use.
  - **Requirements:**
    1. A clean and responsive user interface.
    2. Tooltips and onboarding for new users.
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## 6. Assumptions and Constraints

### 6.1 Assumptions

- Users have basic familiarity with note-taking or content creation tools.
- The platform will be accessed via web and mobile devices.

### 6.2 Constraints

- The project must be completed within 6 months.
  - The platform must support at least 10,000 active users at launch.
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## 7. Risks

### 7.1 Risk 1: Scalability Issues

- **Description:** The platform may struggle to handle a large number of users.
- **Mitigation Strategy:** Implement scalable cloud infrastructure and load testing.

### 7.2 Risk 2: Low User Adoption

- **Description:** Users may not find the platform intuitive or useful.
  - **Mitigation Strategy:** Conduct user testing and gather feedback during development.
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## 8. Glossary

- **Thread:** A collection of pages created by a user.
  - **Page:** A single piece of content within a thread.
  - **Group:** A collection of related threads.
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