DEV SANSKRITI
VISHWAVIDYALAYA

GRAPHITI

HistoAI

Wireframe Document

A Role-Based

Navigation & Functional Flow Overview

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HistoAI Wireframe Document

This document provides a comprehensive overview of the navigation structure and component flow within the Histo AI project. It outlines detailed functionalities, role-based workflows, permissions, and privileges, offering a clear visual understanding of the entire application and how different user roles interact with the system. (Open the Wireframe)

User Role

The User role is the most basic role in HistoAI. Users can view and interact with their assigned projects, select collections and books, and use tools like data extraction, chatbot, and visualization to explore and analyze the content. They cannot manage members, collections, or books.

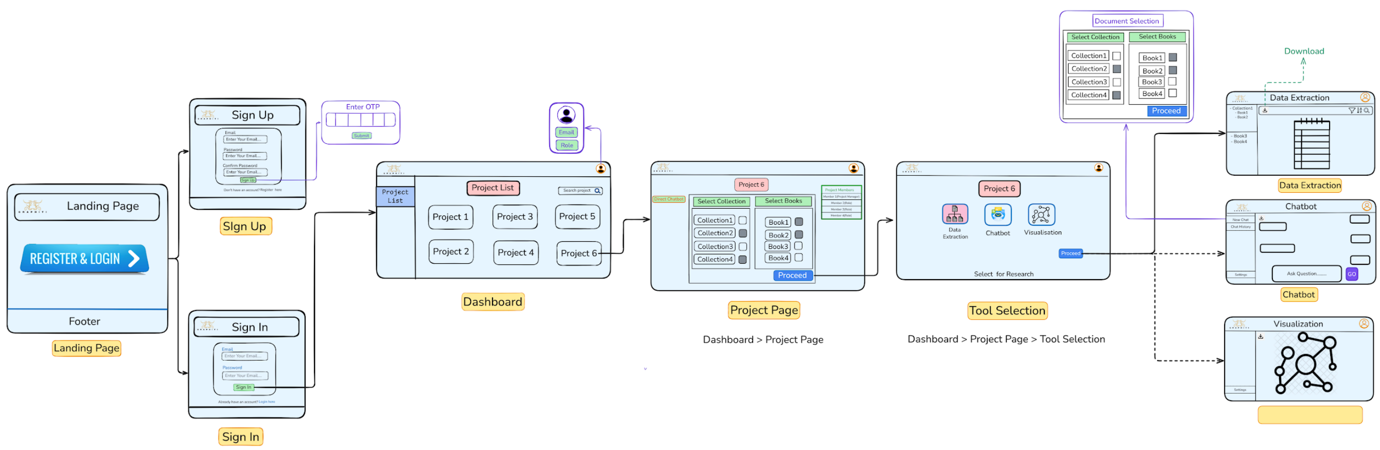

Figure 1: User Role Wireframe (Click to open)

1. Landing Page

Components:

- Welcome screen.
- **Button:** REGISTER & LOGIN
- **Footer** (basic navigation or branding)

Action:

- Clicking the button navigates the user to the **Sign Up** or **Sign In** page.

2. Authentication Flow

Sign Up

Inputs Required:

- Email
- Password
- Confirm Password

Flow:

- After submitting the form, the user receives an OTP.
- Navigates to **Enter OTP** modal.

Enter OTP

- User enters the OTP to complete registration.
- After successful verification, redirected to the **Sign In Page**.

Sign In

Inputs Required:

- Email
- Password

Action:

- On success, the user is taken to the **Dashboard**.

3. Dashboard

Components:

- Sidebar with Project List
- User profile (Email, Role)
- Search functionality
- Display of available projects:
  - **Project 1, Project 2, Project 3....**

Action:

- Clicking on any project opens the **Project Page**.

4. Project Page

- Users can select **multiple collections** and **books** for **tool-based processing**.
- Users can also interact directly with the **Chatbot** without selecting collections or books — useful for continuing an **existing conversation** (Chat History).

Sections:

- **Select Collections:**
  - Collections available in the specific Projects
- **Select Books:**
  - Directly associated with the project
- **Project Members:** Displays the selected project's Members.

Button:

- Proceed => Navigates to the **Tool Selection** page.

5. Tool Selection Page

Allows users to choose tools for data processing.

Options Available:

- **Data Extraction**
- **Chatbot**
- **Visualization (Knowledge Graph)**

Action:

- User selects tools => clicks **Proceed**.

6. Tool Modules

Select for Research:

- Data Extraction
- Chatbot
- Visualization

Action:

- Choose tools => Click Proceed

A. Data Extraction

- Displays structured, extracted data in tabular format.
- **Actions:**
  - Filter, sort, and explore records.
  - **Download option**: Filtered Excel format.

B. Chatbot Module

- Interactive interface for natural language queries over the selected data.
- Features:
  - Chat history
- **Download option**: PDF of the chat session.
- **New Chat** option opens the Documents selection Modal
- **Document Selection Modal**
  - Re-select collections and books (if needed).
  - Click **Proceed** to move into the respective tool module.

C. Visualization

- Visual network representing relationships between data entities.
- Features:
  - Node-link interface
  - Interactive view
  - Topic modelling

Project Manager Role

The **Project Manager** has more control than a regular user. In addition to using tools, they can **create projects**, **add members**, **manage assigned collections** and **books**, and control how teams work together on a project.

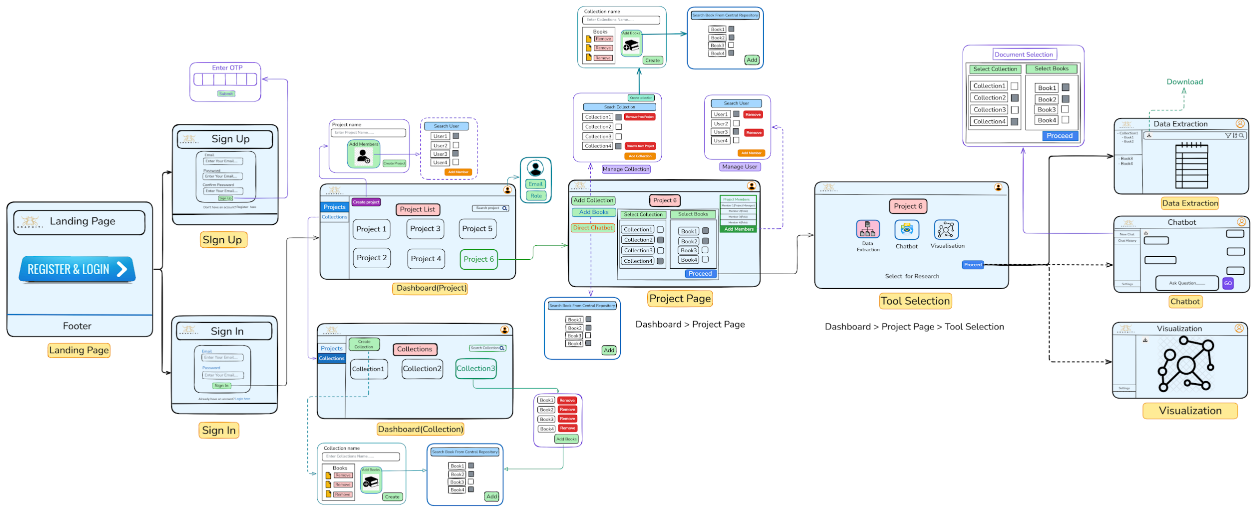

Figure 2: Project Manager Role Wireframe ([Click to open](#))

1. Landing Page

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Enter OTP

- User enters the OTP to complete registration.
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Sign In

Inputs Required:

- Email
- Password

Action:

- On success, the user is taken to the **Dashboard**.

3. Dashboard

There are two tabs:

- Projects
- Collections

A. Project Dashboard

Sections:

- **Create Project**:
  - Input: Project Name
  - Add Members (via user search)
- **Project List View**:
  Displays cards for:
  - Project 1, Project 2, Project 3 …….

Action:

- Click any project to go to its **Project Page**

B. Collections Dashboard

Sections:

- **Create Collection**:
  - Name the collection
  - Add or Remove Books (from collection)
- **Manage Collection**:
  - Remove books
  - Add books
  - Remove members
  - Assign collection to specific projects

Collection List:

- Collection 1
- Collection 2
- Collection 3

4. Project Page

Tabs/Sections:

- **Select Collection**: Choose from linked collections
- **Select Books**: Choose from books already associated
- **Add Members**: Assign project participants
- **Direct Chatbot**:
  ➤ can also interact directly with the **Chatbot** without selecting collections or books — useful for continuing an **existing conversation** (Chat History).

Buttons:

- **Proceed** => Navigates to **Tool Selection Page**
- **Direct Chatbot** => Opens **Chatbot Module** directly

5. Tool Selection Page

- **Select for Research:**
    - Data Extraction
    - Chatbot
    - Visualization (Knowledge Graph)
    - Choose tools => Click Proceed

6. Document Selection Modal

Before tool loads, user confirms:

- Selected **Collections**
- Selected **Books**

Action:

- Click Proceed => Tool open

7. Tool Modules

Select for Research:

- Data Extraction
- Chatbot
- Visualization

Action:

- Choose tools => Click Proceed

A. Data Extraction

- Extract structured tabular data from selected books
- **Download Option**: Excel
- Filtering and sorting enabled

B. Chatbot

- Ask natural language questions on selected project data
- Includes:
    - Chat history
    - Input box

    - Settings
- **Download Option**: PDF

C. Visualization

- Visual network representing relationships between data entities.
- Features:
    - Node-link interface
    - Interactive view
    - Topic modelling

Book Manager Role

The **Book Manager** handles the digital library in HistoAI. They can **upload**, **manage**, and **organize books** in the **central repository**, fill in metadata, and control book visibility.Book Managers also have all the privileges of a **Project Manager** — such as creating projects, assigning members, and accessing tool modules. This role bridges both content management and project coordination.

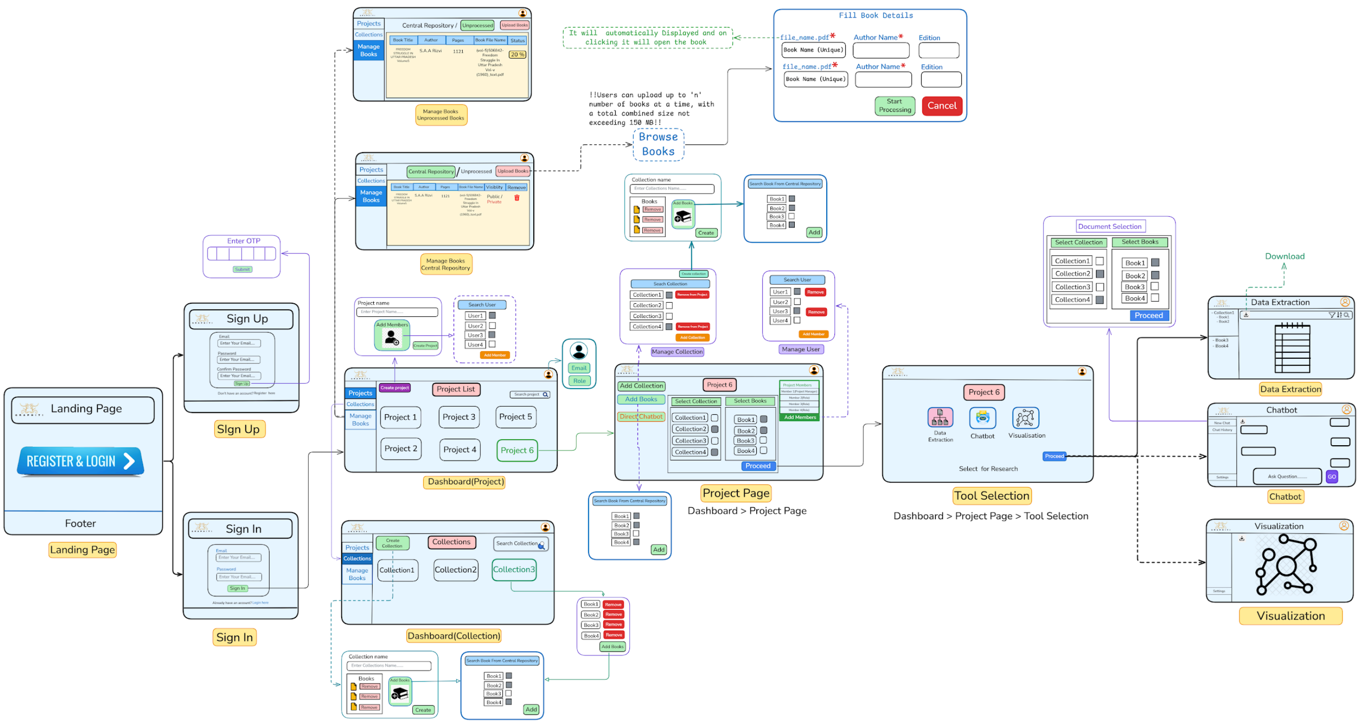

Figure 3: Book Manager Role Wireframe ([Click to open](#))

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Components:

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Action:

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2. Authentication Flow

Sign Up

Inputs Required:

- Email
- Password
- Confirm Password

Flow:

- After submitting the form, the user receives an OTP.
- Navigates to **Enter OTP** modal.

Enter OTP

- User enters the OTP to complete registration.
- After successful verification, redirected to the **Sign In Page**.

Sign In

Inputs Required:

- Email
- Password

Action:

- On success, the user is taken to the **Dashboard**.

3. Dashboard

Tabs:

- Projects
- Collections
- Manage Books

A. Project Dashboard

Sections:

- **Create Project**:
  - Input: Project Name
  - Add Members (via user search)
- **Project List View**:
  Displays cards for:
  - Project 1, Project 2, Project 3, …..

  Action:

- Click any project to go to its **Project Page**

B. Collections Dashboard

Sections:

- **Create Collection**:
  - Name the collection
  - Add or Remove Books (from Central Repository)
- **Manage Collection**:
  - Remove books
  - Add books
  - Remove members
  - Assign collection to specific projects

Collection List:

- Collection 1
- Collection 2
- Collection 3

C. Central Repository

1. Upload & Browse Books

Admin Action:

- Click the **Upload Books** button available on the *Manage Books* panel.

Constraints:

- Multiple files can be selected.
- Total size of all selected books must not exceed **150 MB**.

Action Result:

- Opens a file browser to select book files.

2. Fill Book Details

After uploading, users must provide the required metadata for each book before processing begins.

Form Fields (per book):

- **File Name:** file_name.pdf *(auto-fetched from upload)*
- **Book Name:** *(Required + Unique)*
- **Author Name:** *(Required)*
- **Edition:** *(Optional)*

Actions:

- **Start Processing:** Validates input and sends the file to the backend for processing.
- **Cancel:** Discards the metadata entry.

4. Book Visibility & Repository Management

Once books are processed, they appear in two tabs:

A. Unprocessed Tab

- Displays books currently under processing.
- Shows processing status as a **progress bar (%)**.
- Clicking the filename opens a **preview** of the uploaded book.

B. Central Repository Tab

- Displays **processed** books.
- **Book Attributes:** Title, Author, Pages, File Name.

- **Visibility Control:** Toggle between **Public** and **Private**.
- **Remove Option:** Permanently deletes the book from the Central Repository.

5. Project Page

Tabs/Sections:

- **Select Collection**: Choose from linked collections
- **Select Books**: Choose from books already associated
- **Add Members**: Assign project participants
- **Project Detail**: Project Members and their roles, can add and remove.
- **Direct Chatbot**:
  Can also interact directly with the **Chatbot** without selecting collections or books — useful for continuing an **existing conversation** (Chat History).

Buttons:

- Proceed => Navigates to **Tool Selection Page**
- Direct Chatbot => Opens **Chatbot Module** directly

6. Tool Selection Page

Select for Research:

- **Data Extraction**
- **Chatbot**
- **Visualization**

Action:

- Choose tools => Click Proceed

7. Document Selection Modal

Before tool loads, user confirms:

- Selected **Collections**
- Selected **Books**

Action:

- Click Proceed => Tool launches

7. Tool Modules

A. Data Extraction

- Extract structured tabular data from selected books
- **Download Option**: Excel
- Filtering and sorting enabled

B. Chatbot

- Ask natural language questions on selected project data
- Includes:
    - Chat history
    - Input box
    - Settings
- **Download Option**: PDF

C. Visualization

- Visual network representing relationships between data entities.
- Features:
    - Node-link interface
    - Interactive view
    - Topic modelling

Admin Role

The Admin has full access to monitoring everything in HistoAI. They manage all users, roles, books, and projects across the system. Admins can assign roles and activate/deactivate users.

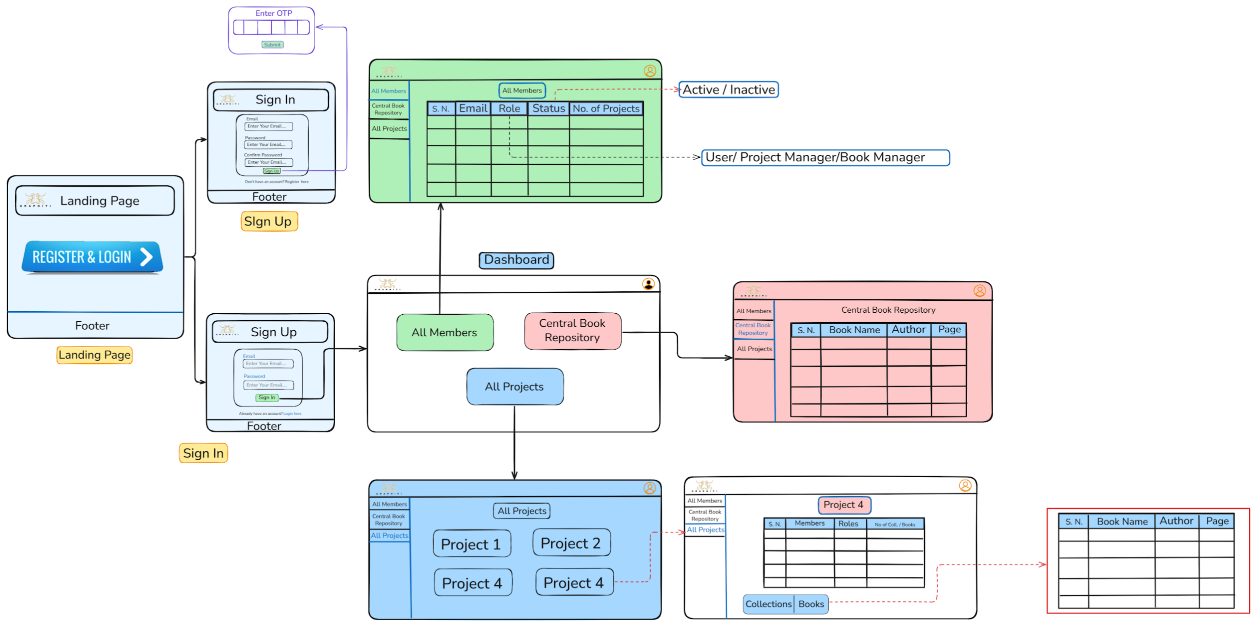

Figure 4:Admin Role Wireframe (Click to open)

1. Landing Page

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Enter OTP

- User enters the OTP to complete registration.
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Sign In

Inputs Required:

- Email
- Password

Action:

- On success, the user is taken to the **Dashboard**.

3. Admin Dashboard

The Admin Dashboard contains 3 major management sections:

A. All Members

Displays a table of all platform users.

Table Columns:

- Serial Number (S.N.)
- Email
- **Role** (User, Project Manager, Book Manager)
  The **Admin** can assign the **Project Manager** or **User** role.
- Status (Active or Inactive)
- Number of Projects assigned

Actions:

- View and manage user details and statuses.
- Assign or change roles.
- Activate/deactivate accounts.

B. Central Book Repository

Table Columns:

- S.N.
- Book Name
- Author
- Page count

Actions:

- View global list of all books available.
- Manage metadata associated with each book.

C. All Projects

Displays all ongoing or created projects in the system.

Components:

- List view with:
    - Project 1
    - Project 2
    - Project 3
    - Project 4

Action:

- Clicking a project (e.g., Project 4) opens the **Project Detail Page**.

4. Project Detail Page

For each selected project, admin can view:

Table Columns:

- S.N.(Serial No.)
- Members

- Roles (e.g., User, Project Manager)
- Number of Collections / Books

Tabs/Buttons:

- Collections
- Books

Action:

- On clicking "Collections" or "Books" => Displays book details:
    - S.N., Book Name, Author, Page count