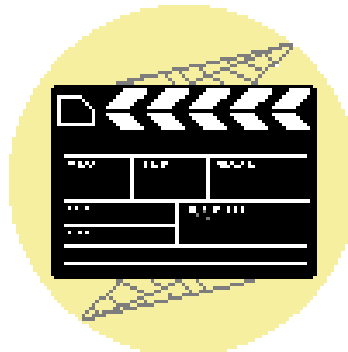


# User Interface Design Document v1.0

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Discovering Early Hollywood

Samuel Backer



by Willy N' Gang: Xander Dufour, Liam Hillery, Vincent Lin, Patrick Storer, Caleb Thurston

# Rediscovering Early Hollywood User Interface Design Document

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# 1. Introduction

Samuel Backer is a Professor of History at the University of Maine. He teaches about the mass culture movements that existed before the physical media that we have recorded. Backer teaches a course that concludes with the advent of film in America. In the early days of film, very few people thought to save their work, and in order to copyright a movie, filmmakers would have to submit a still image of each frame of the movie. In 1912, that law changed, allowing filmmakers to submit a description of their movie in order to have it copyrighted. These records form the bulk of our software database. We aim to digitize and organize the thousands of film descriptions released from the Library of Congress (LoC) into the public domain. Our work aims to provide a hub where researchers, film buffs, and historians can easily search and access these records, which have rarely had light shed on them.

## 1.1 Purpose of This Document

The User Interface Design Document (UIDD) describes the format and layout of the User-facing portion of the codebase. It outlines the format of standard elements (buttons, input fields, text) as well as an overview of the content covered in each screen of the UI. The UIDD will make up the guidelines for the UI of the system throughout development, and should be used by both the team and the client to clarify the desired user experience.

## 1.2 References.

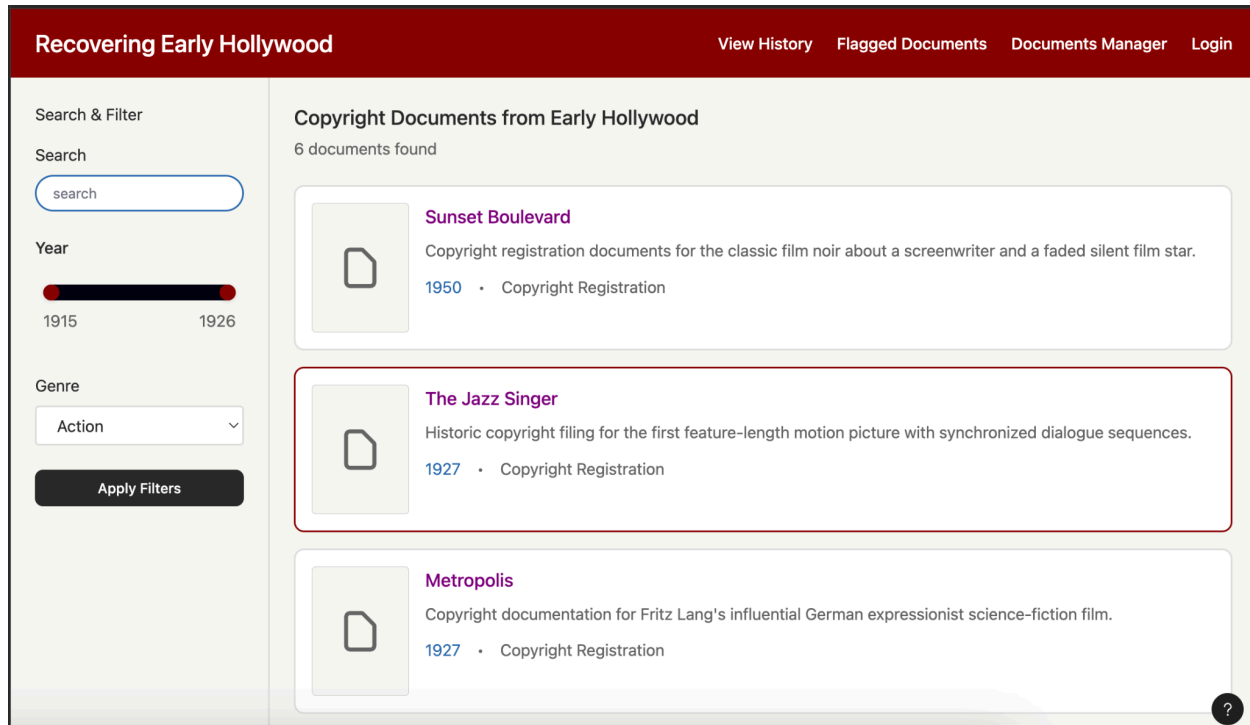
Figma. (2025). *Figma: the Collaborative Interface Design tool*. Figma. <https://www.figma.com>

Dufour, X., Hillery, L., Lin, V., Storer, P., Thurston, C. (2025) *System Requirements Specification Discovering Early Hollywood*.

Dufour, X., Hillery, L., Lin, V., Storer, P., Thurston, C. (2025) *System Design Document Discovering Early Hollywood*.

## 2. User Interface Standards

The purpose of Section 2: User Interface Standards is to outline the design standards to be used across all the system's user interface. By defining the common screen layouts, shared interface components, navigation patterns, and general error handling, the interface will remain consistent and intuitive to follow. These standards will make sure that the users can easily understand how to interact with the system, regardless of which page they are on.



*Screen 1: Home page*

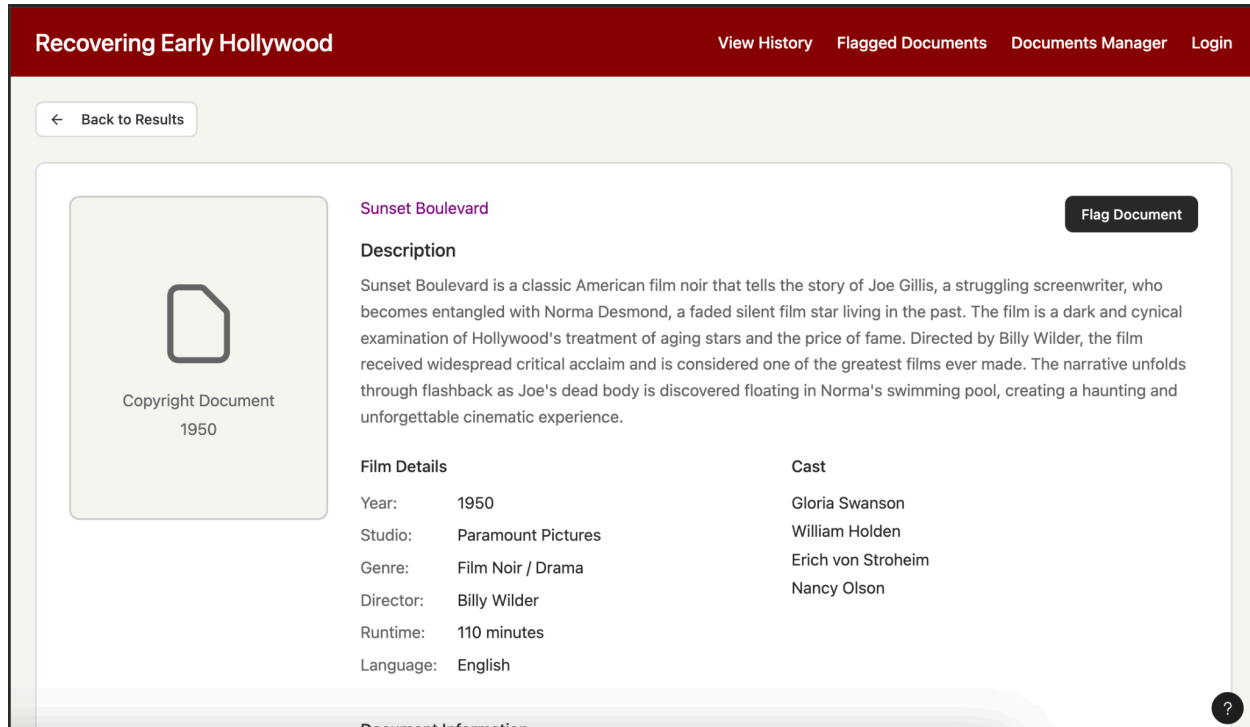
### 2.1 Overall screen layout

The screen will follow a layout of the header then the main content of the page. The main colors should be close these certain colors ; reddish nav bar: #7c170d, background: #f8f4f1, and white content background: #ffffff, main content text: #838181, and buttons: #2d2c2c, all other colors will be secondary and all could be changed later if needed. This layout consistency will allow users to easily navigate through this website knowing what each thing does. Now if there's a search bar it'll be different locations for different occasions, but the search bar should be easily noticeable and accessible.

The three major design principles we follow will be contrast, emphasis and repetition. For contrast one example is buttons, they will be different colors then the rest of the document preferably black(#2d2c2c). One example of emphasis is the important things like titles by size and maybe colors. For repetition there will be repeating elements (e.g. colors, shapes) will be the same for consistency and unity.

## 2.2 Header

Header (*i.e nav bar; all screens*) - contains primary navigation links, and top level actions. The nav bar will be persistent across all pages and will be the main navigation for users to go from page to page. If the user is on a specific page that page will be highlighted on the nav bar.



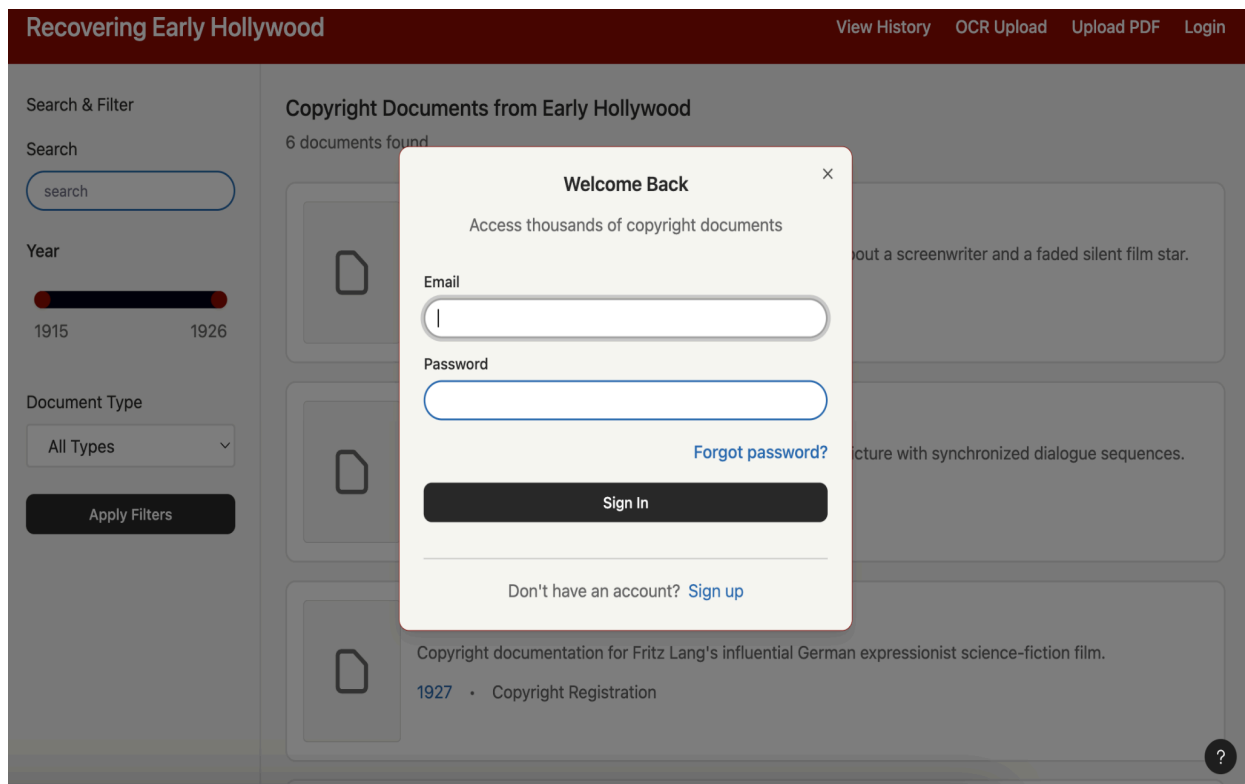
Screen 4: Document viewer

## 2.3 Content

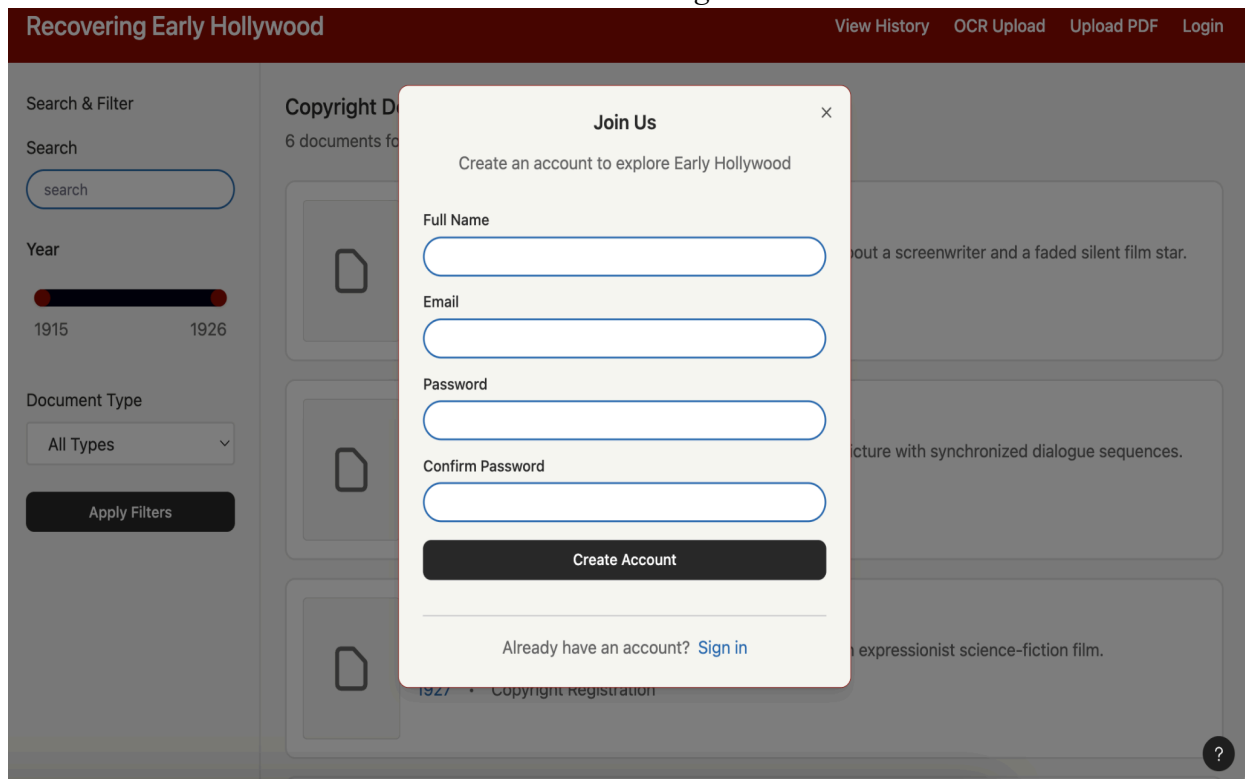
Document Cards (*Screen 1*)- The result cards will show an image on the left of the original pdf. It'll show the title of the card bolded, the Snippet of clean optical character recognition (OCR) content below the title and meta data underneath. When clicked, it'll bring you to the card's result content.

Document content (*Screen 4*) - This Result content page will consist of a title, more cleaned OCR content, underneath with meta data(e.g. Producer, actor, studio, year, etc.), and if you click the image all images related to that content will show. A flag error button and download content button will be on this page.

Search History Cards(*Screen 6*) - This card is for your past queries and will show what you searched for previously. When clicked, it'll take you to the past query.



*Screen 2.1: Log In*



*Screen 2.2: Sign up*

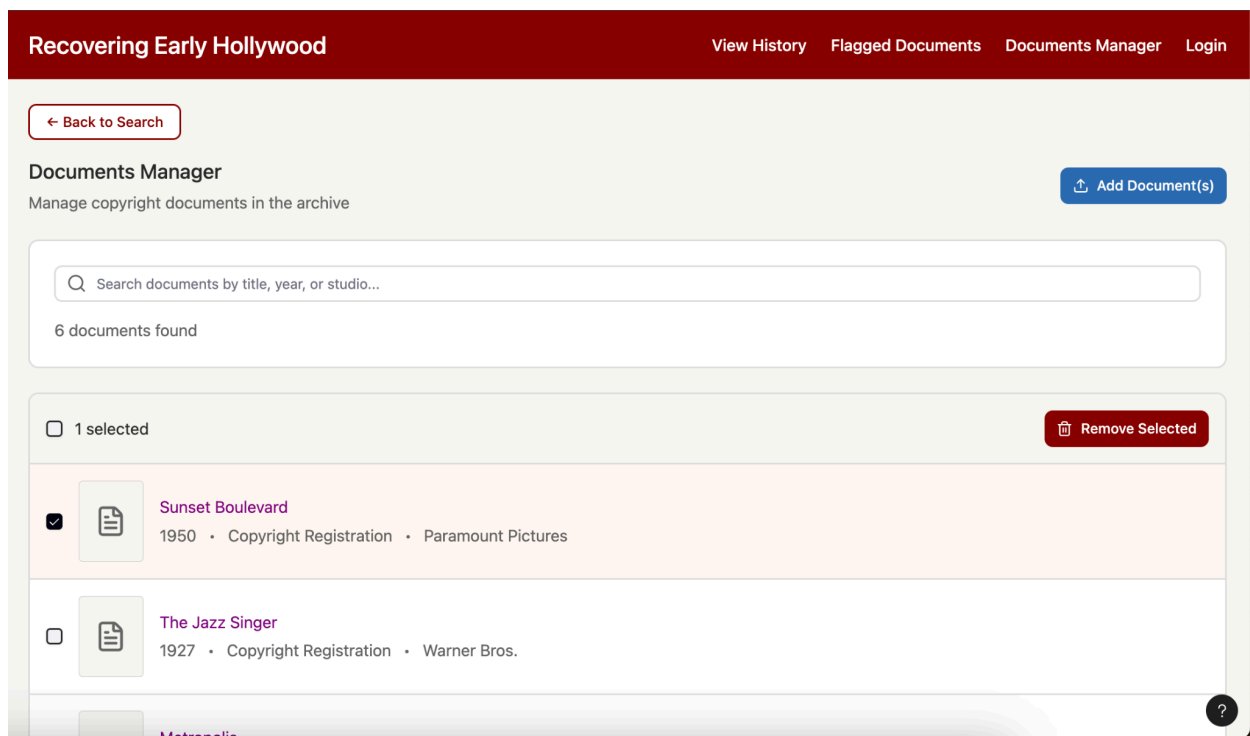
## 2.4 Forms

Search Bar (Screen 1) - Standard text input, search inputs for content, actors, director, producer, and studios. This form will be in the search section.

Sign in/sign up (Screen 2) - Standard text input, inputs for email and password. This will form in the sign in/sign up pop up.

Years filter (Screen 1) - Slider to select between years. This form will be in the search section.

Genre filter (Screen 1) - Check box selection to select multiple genres. This form will be in the search section. (The UI will be updated)



*Screen 6: document manager*

## 2.5 Buttons/clickables

Navigation (*All screens*) - Once clicked, It'll bring the user to the corresponding section.

Download button (*Screen 4*) - Once clicked, the download content button will show a pop up of what you are about to download.

Flag error button (*Screen 4*) - Once clicked, the Flag error button will show a pop up of a form for users to explain what error there is in the document content.

Confirmation button (*Screen 2 and more*) - A confirmation button to confirm your action such as log in, sign up, but could be used anywhere that needs confirmation.

Clear button(*Screen 6 and more*) - A destructive button that allows users to clear their search history, search terms or for any destructive purposes.

Meta data clickable in document content(*Screen 4*) - By clicking one of the meta data it'll filter by the genre, year, actor, director, or studio that was clicked on.

## **2.6 Error handling**

Document result error - If there was no results for search it'll show an error "No content found try a new search"

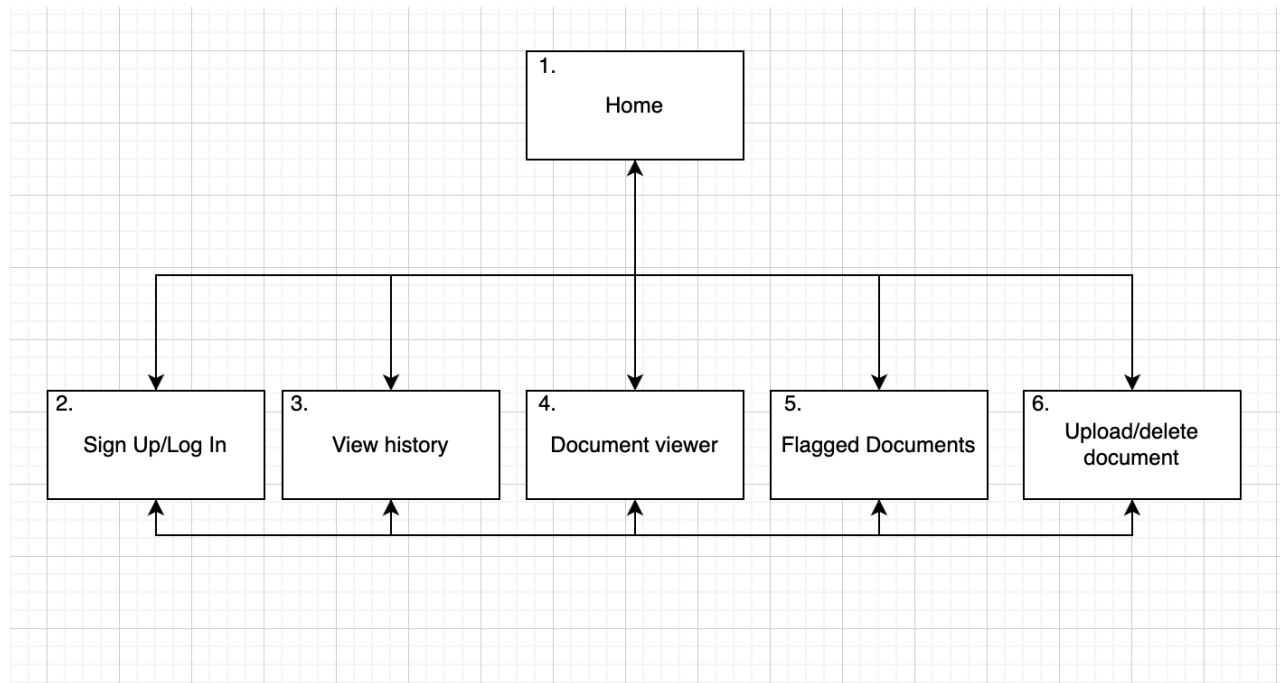
Pop up error - If the pop up has an error for any reason the pop up will show an error message.

General response error - If any other error shows the error message will be near the error site. For example, if a user has a sign up error the error message will be near the sign up area explaining why.



### 3. User Interface Walkthrough

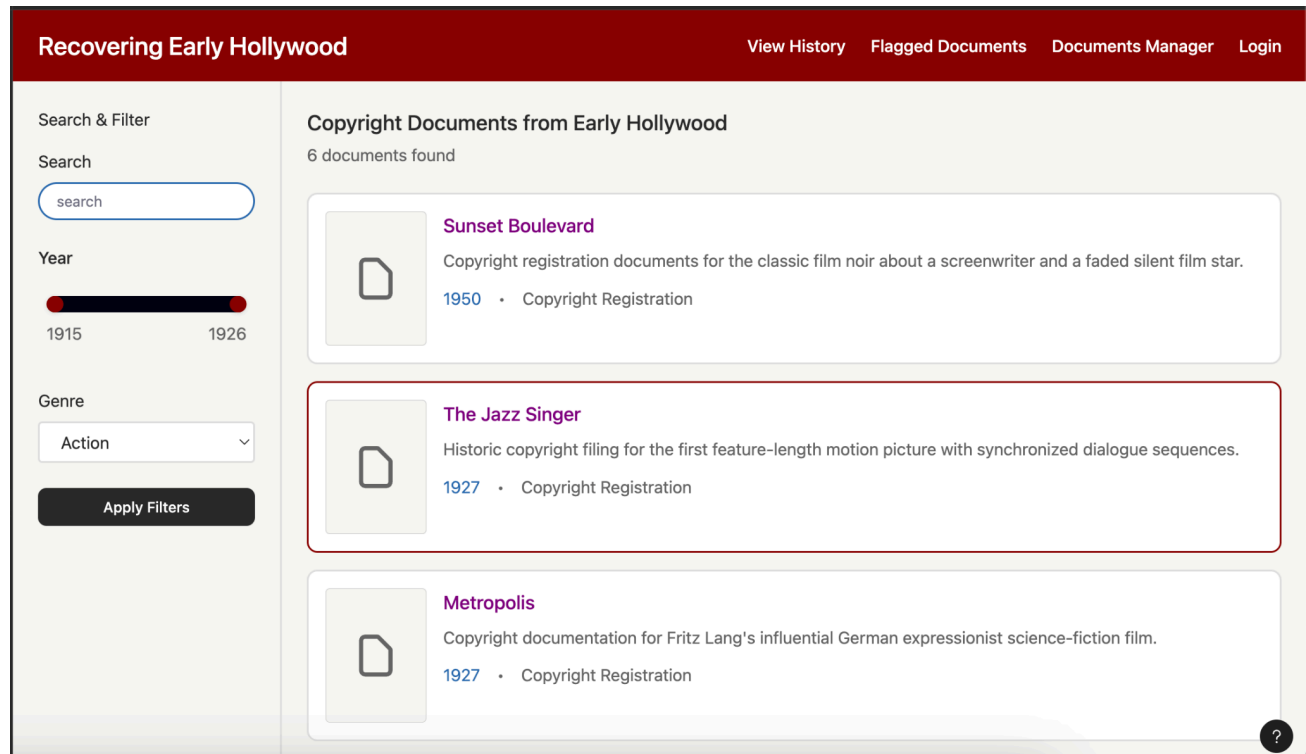
The purpose of Section 3: User Interface Walkthrough is to incorporate the elements of Section 2 into the screens that make up the system. This section also includes a brief example of a user's behavior as they step through these screens. Our system consists of 6 main screens: a "Home" screen, a "Sign Up/Log In" screen, a "View History" screen, a "Document Viewer" screen, a "Flagged Documents" screen, and a "Upload/Delete Document" screen.



*Navigation Diagram*

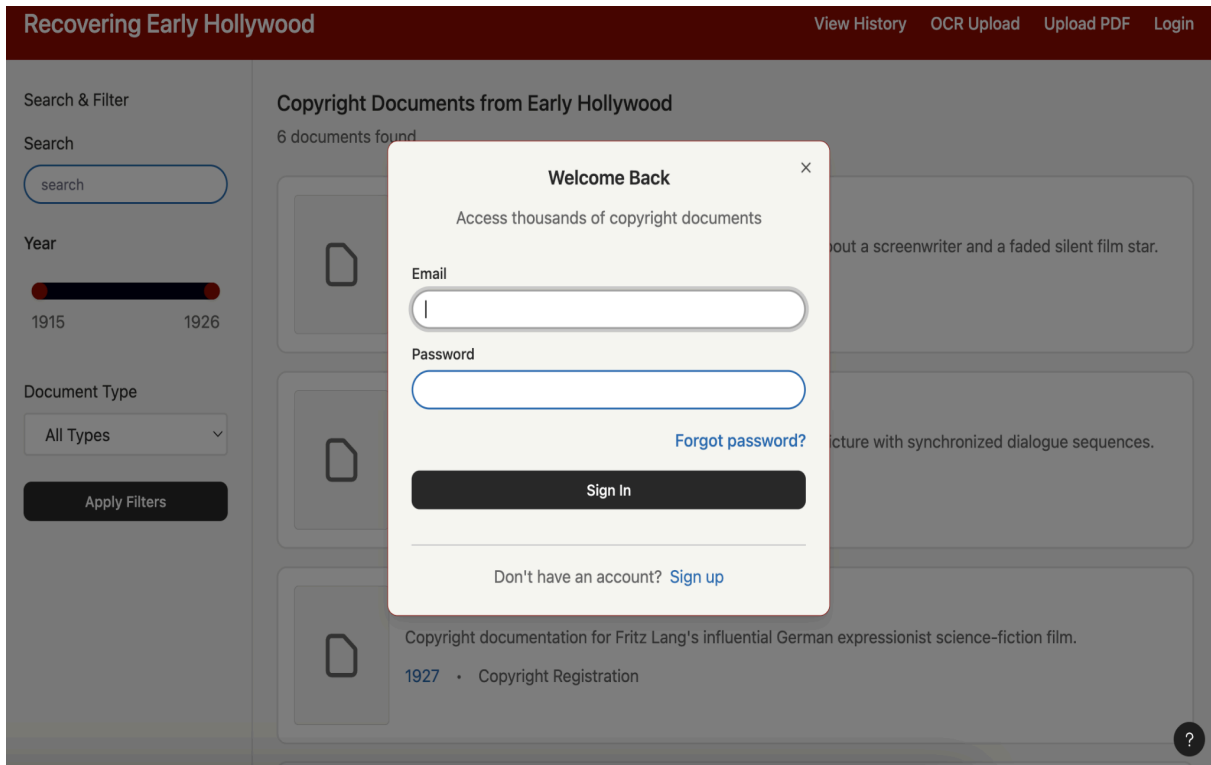
*(Note: Navigation does not account for uses state some area like 6.upload and delete is only accessible only accessible by admin)*

The navigation of the website will be very cyclical with each area accessible from every other area via the navigation bar at the top of the screen. The design of the website means you can travel to any area of the website from anywhere else and return.

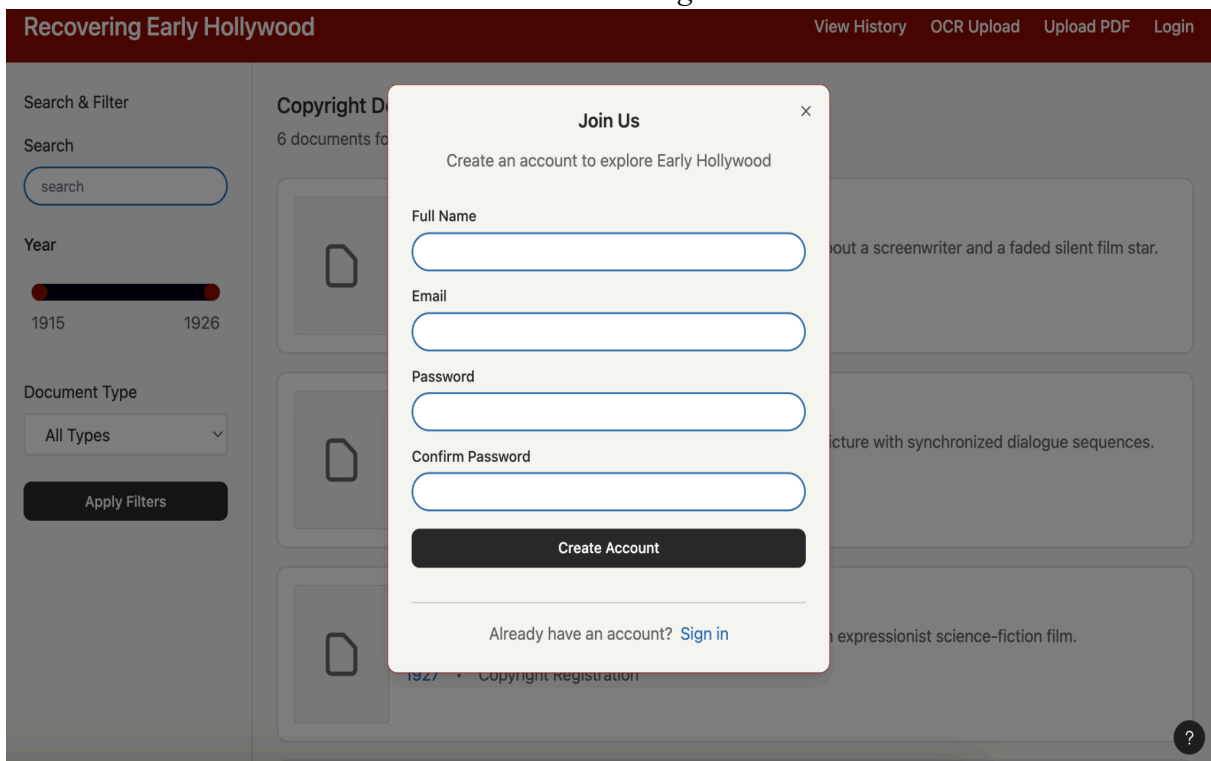


*Screen 1: Home page*

The user visits the site homepage. They are presented with multiple text inputs for keywords, tags, studios, and actors, sliders for selecting a date range and a duration range, and a dropdown to filter by the type of document present in the copyright. Upon filling these fields and clicking “Apply Filters” the main panel populates with relevant documents.

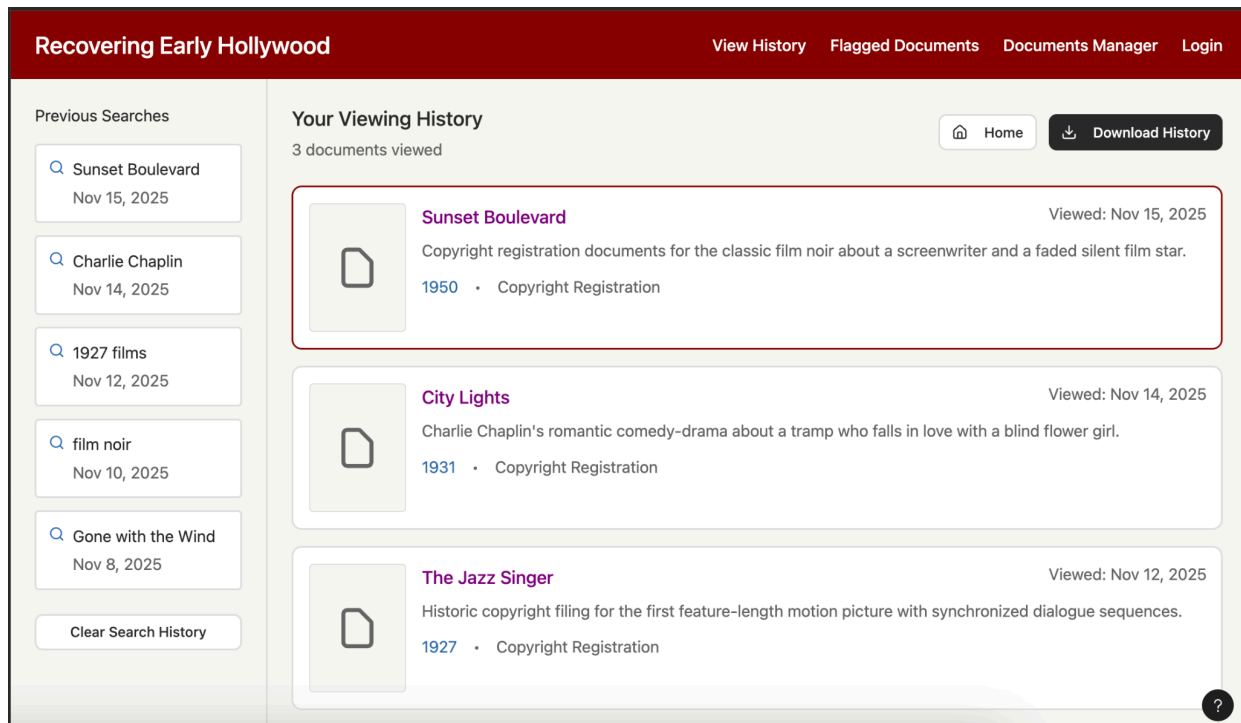


*Screen 2.1: Log In*



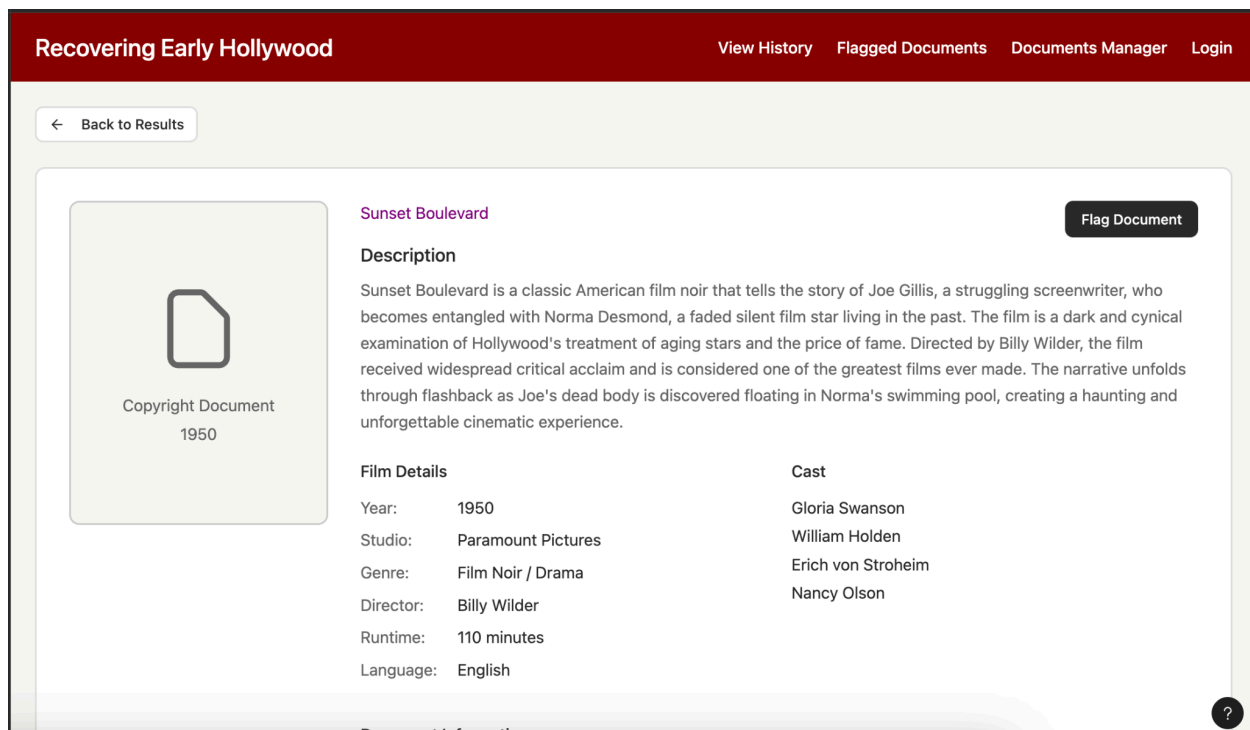
*Screen 2.2: Sign up*

Login/Sign up, the user will be presented with an option to Login when clicking on said button which will be prominent on view history if user is not logged in, there if they do not have an account they can click sign up in the login popup.



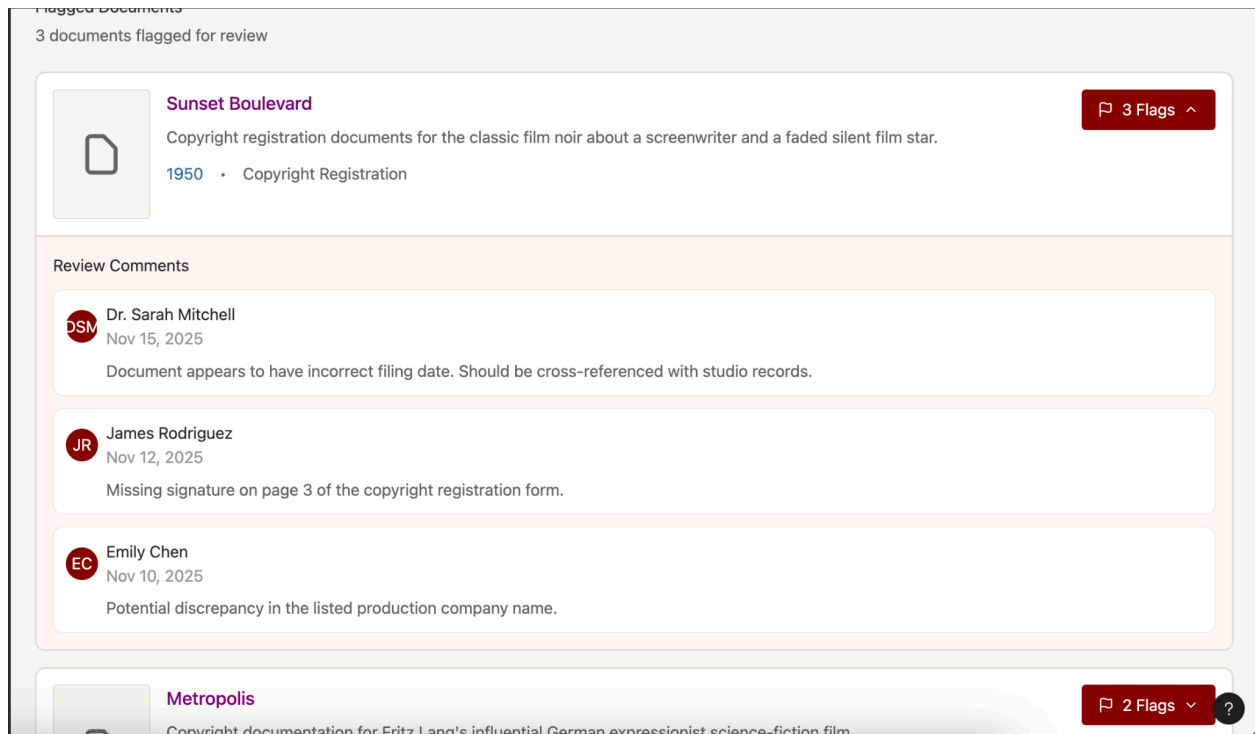
Screen 3: View history

The user selects “View History” in the navigation bar and is taken to Screen 3. They are presented with their past queries in the sidebar, with the documents viewed in each query contained in the main frame.



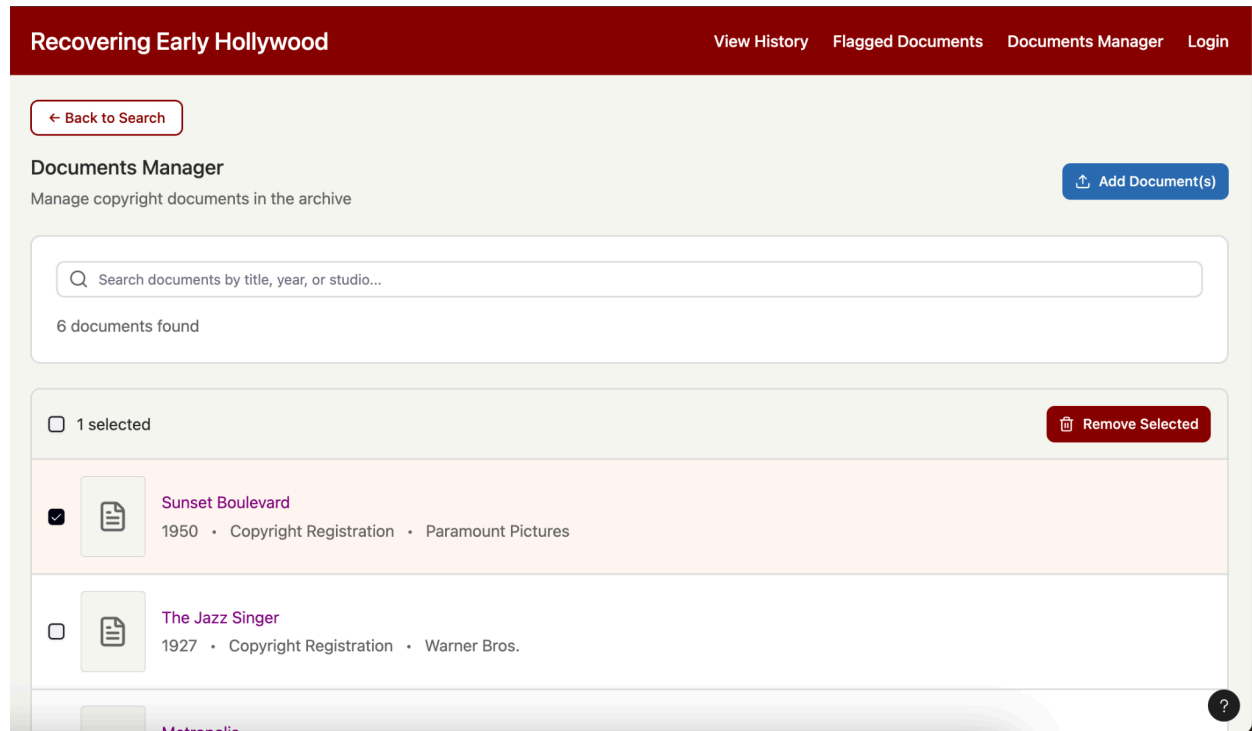
#### Screen 4: Document viewer

The user clicks on a document from their viewing history. They are presented with a view of the original document, the transcript of that document, and all of its metadata in a single frame. The user may click the “Download Document” button to download a ZIP file containing the document’s metadata, transcript, and PDF file. The user may also click the “Flag Document” button, which triggers a pop-up requesting the error’s location and any comments on the error.



#### Screen 5: Flagged document

The database manager clicks “Flagged Documents” in the navbar. The system provides an interface similar to Screen 1, where documents can be filtered and are ordered by the number of flags they have received.



*Screen 6: document manager*

The Database Manager (Admin) clicks “Documents Manager” in the navbar. The system provides a “Add Document(s)” button, which opens a pop-up window allowing them to either upload a ZIP containing documents or upload several files individually through the “Document,” “Metadata,” and “Transcript” file input fields. Additionally, the database manager may search for a document in the database using the search interface below and select documents to remove from the database. Upon clicking the “Remove Selected” button, a pop-up appears confirming the action. If a User attempts to navigate to this screen, they will receive HTTP error 403: Forbidden.

## 4. Data Validation





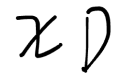
This section will detail all available datatypes for the user to enter. The table will show, in a tabular format, details about the data. Details will include its name, data type, limits, and formats.

Data Item		Data Type	Limits	Formats
Username		String	Min = 8 chars Max = 20 chars	“ExUser223”
Password		String	Min = 12 chars Max = 50 chars At least: 1 Uppercase Letter 1 Lowercase letter 1 Number 1 Special Character	“Password123!”
Query		String	Within SQL Syntax	“SELECT * FROM <table>”
Genre		String	Selected from dropdown	“Horror” “Comedy”
Year		Integer	Selected by Slider	“1921”
Actor(s)		String	Min = 5 chars Max = 20 chars	“Firstname Lastname”
Film Name		String	Min = 2 chars Max = 50 chars	“Sunset Boulevard”
Studio		String	Min = 4 chars Max = 30 chars	“Studio Ghibli”
Runtime		Float	Must include Hours, Minutes & Seconds	“2:31:13”
PDF		Hybrid Document	Below X size (size TBD)	Must be in .pdf format

## Appendix A – Agreement Between Customer and Contractor

All parties agree that the contents of this document are going to be held to the best of each parties ability. The requirements listed here will make up the majority of the work which will be produced by the development team in recompense for the completion of the capstone class requirement. The parties will work to the best of their ability to produce a system which testable satisfies these requirements.

In the event that any addendums to the document, which redefine the scope of the project, the client will be notified of any changes and asked to confirm the changes to the document still align with their goal for the project before the changes can be added to the system. For minor changes to the document such as changes to the open issues section, the client will not be notified, as this is a living document which is subject to minor changes.

	Date:	Signature:
Vincent Lin	TBD (Nov. 17, 2025)	
Caleb Thurston	TBD (Nov. 17, 2025)	
Patrick Storer	TBD	
Liam Hillery	TBD (Nov. 17, 2025)	
Xander Dufour	TBD (Nov. 17, 2025)	
Samuel Backer	TBD	










## Appendix B – Team Review Sign-off

All team members have reviewed this User Interface Design document (UIDD) and agree with all its content. The team acknowledges that the document accurately reflects the agreed-upon project scope and requirements at this development stage. Any minor issues shall be recorded among the team in the comment section.

This is a living document which is subject to changes or modifications. In the event that any addendums to the document, which redefine the scope or requirements of this project, will have to require every team member to agree and sign off.

Signatures:	Date:	Signature:
Vincent Lin	TBD (Nov. 17, 2025)	
Caleb Thurston	TBD (Nov. 17, 2025)	
Patrick Storer	TBD	
Liam Hillery	TBD (Nov. 17, 2025)	
Xander Dufour	TBD (Nov. 17, 2025)	

## **Appendix C – Document Contributions**

This section outlines the individual contribution made by each team member to the development of the document. It provides a record of who was responsible for each specific section for accountability throughout the documentation process. The following shows what they contributed and the percentage of work each member did.

Xander Dufour:

- Contributions: Section 3: User Interface Walkthrough and Mockups of User Interface
- Percentage: 20%

Liam Hillery:

- Contributions: Introduction, Section 3 Introduction, Helped on Section 3
- Percentage: 20%

Vincent Lin:

- Contributions: Section 2: User Interface Standards
- Percentage: 20%

Patrick Storer:

- Contributions: Grammar and formatting
- Percentage: 20%

Caleb Thurston:

- Contributions: Section 4: Data Validation
- Percentage: 20%