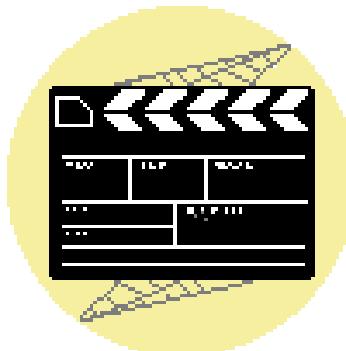


User Interface Design Document v1.0

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.

Recovering Early Hollywood

View History Flagged Documents Documents Manager Login

Search & Filter

Search

search

Year

1915 1926

Genre

Action

Apply Filters

Copyright Documents from Early Hollywood

6 documents found

Sunset Boulevard
Copyright registration documents for the classic film noir about a screenwriter and a faded silent film star.
1950 • Copyright Registration

The Jazz Singer
Historic copyright filing for the first feature-length motion picture with synchronized dialogue sequences.
1927 • Copyright Registration

Metropolis
Copyright documentation for Fritz Lang's influential German expressionist science-fiction film.
1927 • Copyright Registration

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.

The screenshot shows a web-based document viewer. At the top, there's a dark red header bar with the text "Recovering Early Hollywood". To the right of the header are four links: "View History", "Flagged Documents", "Documents Manager", and "Login". Below the header is a white content area. On the left side of this area is a large, light gray rectangular card. Inside the card, there's a small icon of a document, followed by the text "Copyright Document" and "1950". In the top right corner of the card, there's a "Flag Document" button. To the left of the card is a "Back to Results" link. The main content area contains several sections of text and data tables. One section is titled "Sunset Boulevard" in purple. Another section is titled "Description" in bold black text. The description text is a paragraph about the movie "Sunset Boulevard". To the right of the description is another "Flag Document" button. Below the description are two tables. The first table is titled "Film Details" and includes rows for Year (1950), Studio (Paramount Pictures), Genre (Film Noir / Drama), Director (Billy Wilder), Runtime (110 minutes), and Language (English). The second table is titled "Cast" and lists the actors: Gloria Swanson, William Holden, Erich von Stroheim, and Nancy Olson. At the bottom of the content area, there's a small "Document Information" label and a question mark icon.

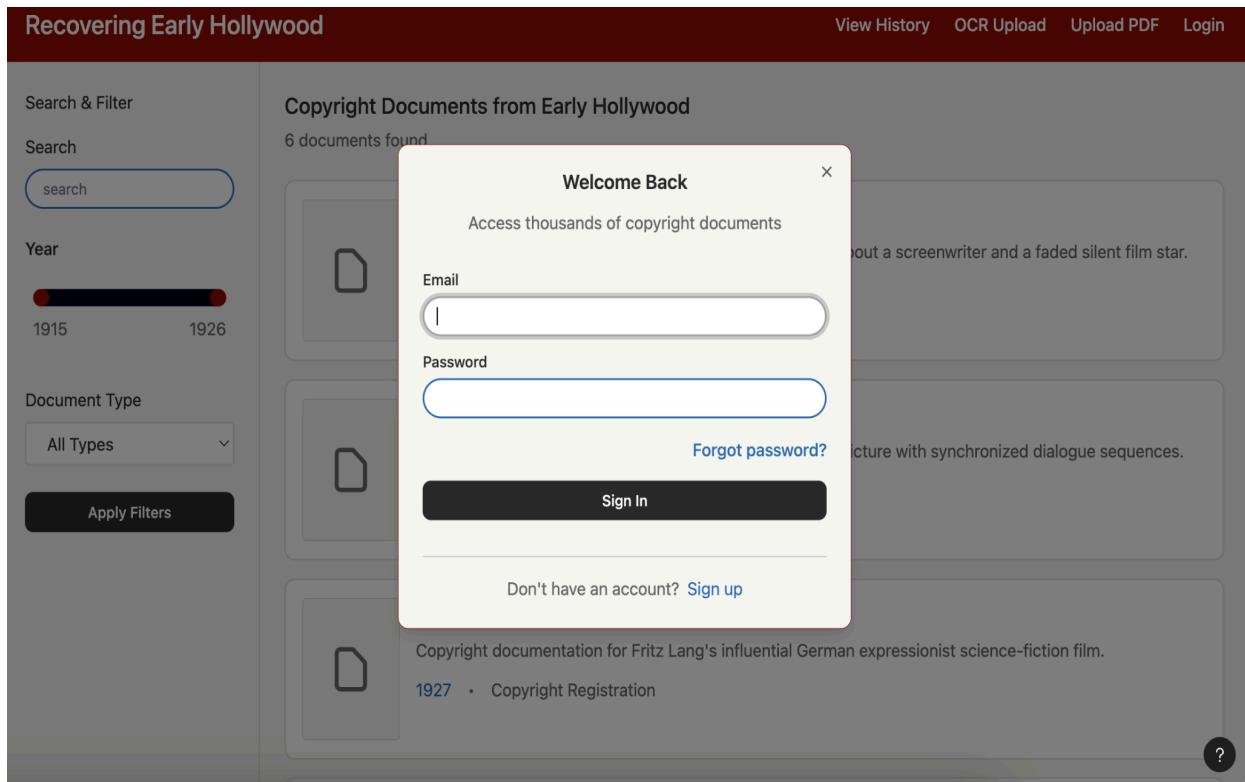
Screen 4: Document viewer

2.3 Content

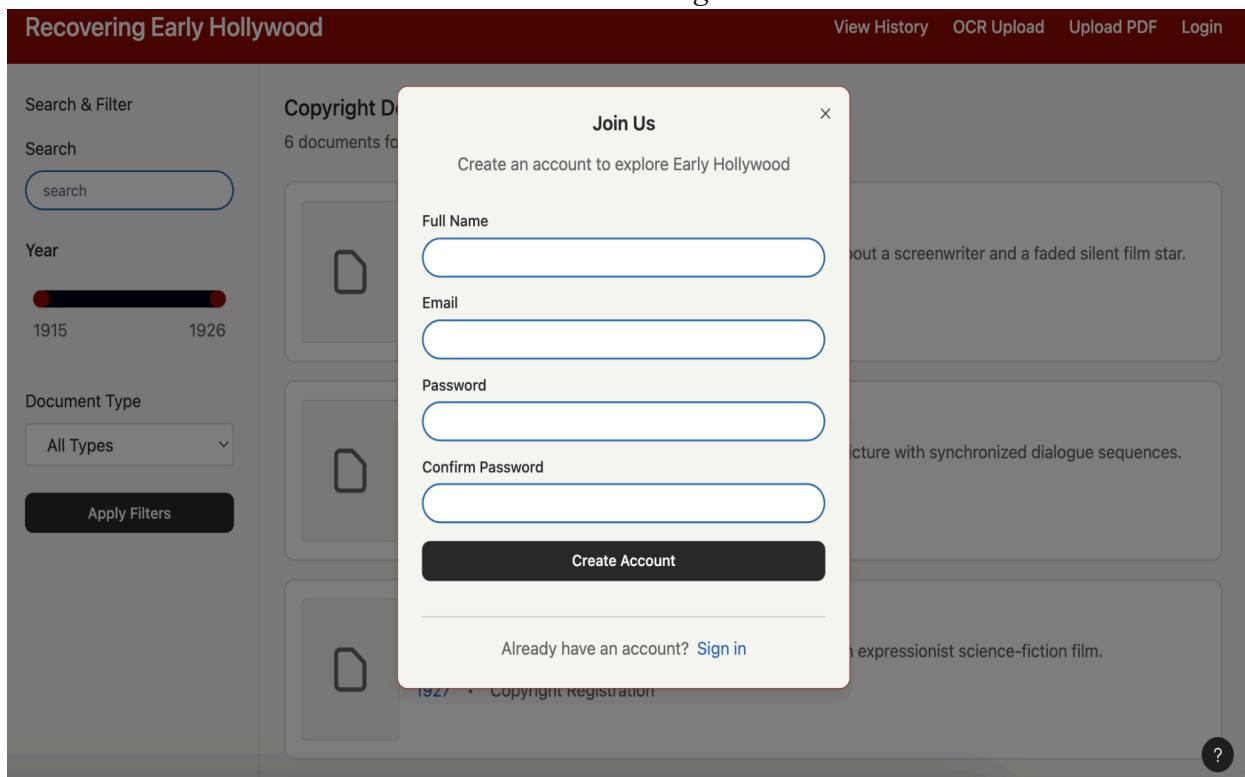
Document Cards (*Screen 1*) - The result cards will show an image on the left of the original pdf. It'll show the title of the card bolded, the Snippet of clean optical character recognition (OCR) content below the title and meta data underneath. When clicked, it'll bring you to the card's result content.

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)

The screenshot shows a web-based document management system. At the top, a red header bar contains the title 'Recovering Early Hollywood' and navigation links: 'View History', 'Flagged Documents', 'Documents Manager', and 'Login'. Below the header, a white main area has a 'Back to Search' button on the left. In the center, there's a 'Documents Manager' section with a sub-header 'Manage copyright documents in the archive'. On the right of this section is a blue 'Add Document(s)' button. A search bar with placeholder text 'Search documents by title, year, or studio...' is positioned above a list of documents. The list shows '6 documents found' and includes two items: 'Sunset Boulevard' (selected, 1950, Copyright Registration, Paramount Pictures) and 'The Jazz Singer' (not selected, 1927, Copyright Registration, Warner Bros.). At the bottom of the list, there's a partially visible document titled 'Metropolis'. On the far right of the document list, there's a 'Remove Selected' button. A question mark icon is located at the bottom right corner of the main area.

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

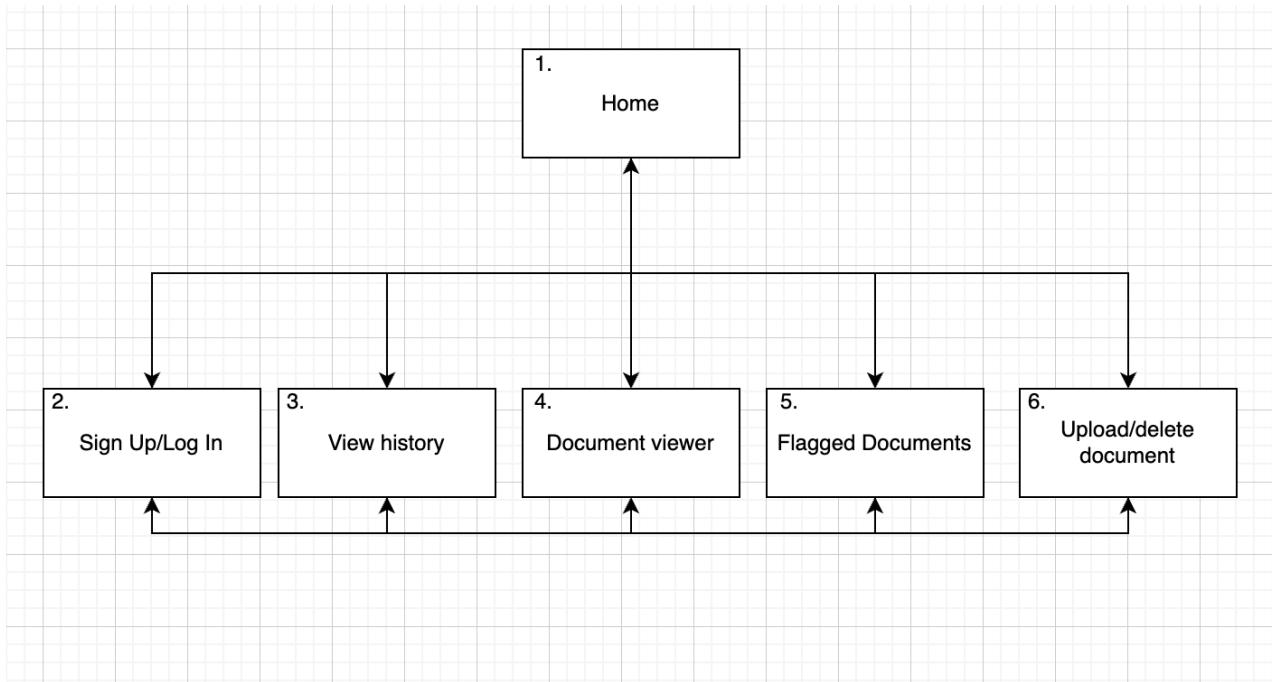
Document result error - If there was no results for search it'll show an error “No content found try a new search”

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.

Search & Filter

Search

Year

1915 1926

Genre

Apply Filters

Copyright Documents from Early Hollywood

6 documents found

**Sunset Boulevard**

Copyright registration documents for the classic film noir about a screenwriter and a faded silent film star.

1950 • Copyright Registration

**The Jazz Singer**

Historic copyright filing for the first feature-length motion picture with synchronized dialogue sequences.

1927 • Copyright Registration

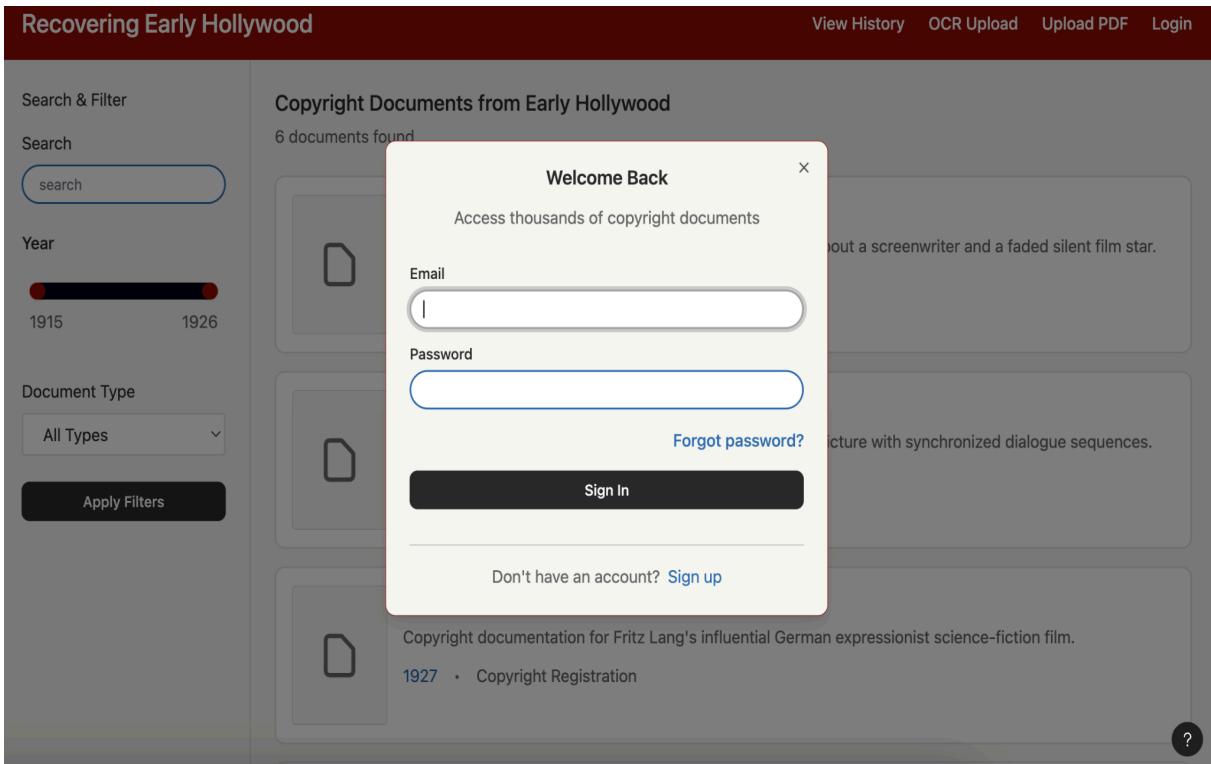
**Metropolis**

Copyright documentation for Fritz Lang's influential German expressionist science-fiction film.

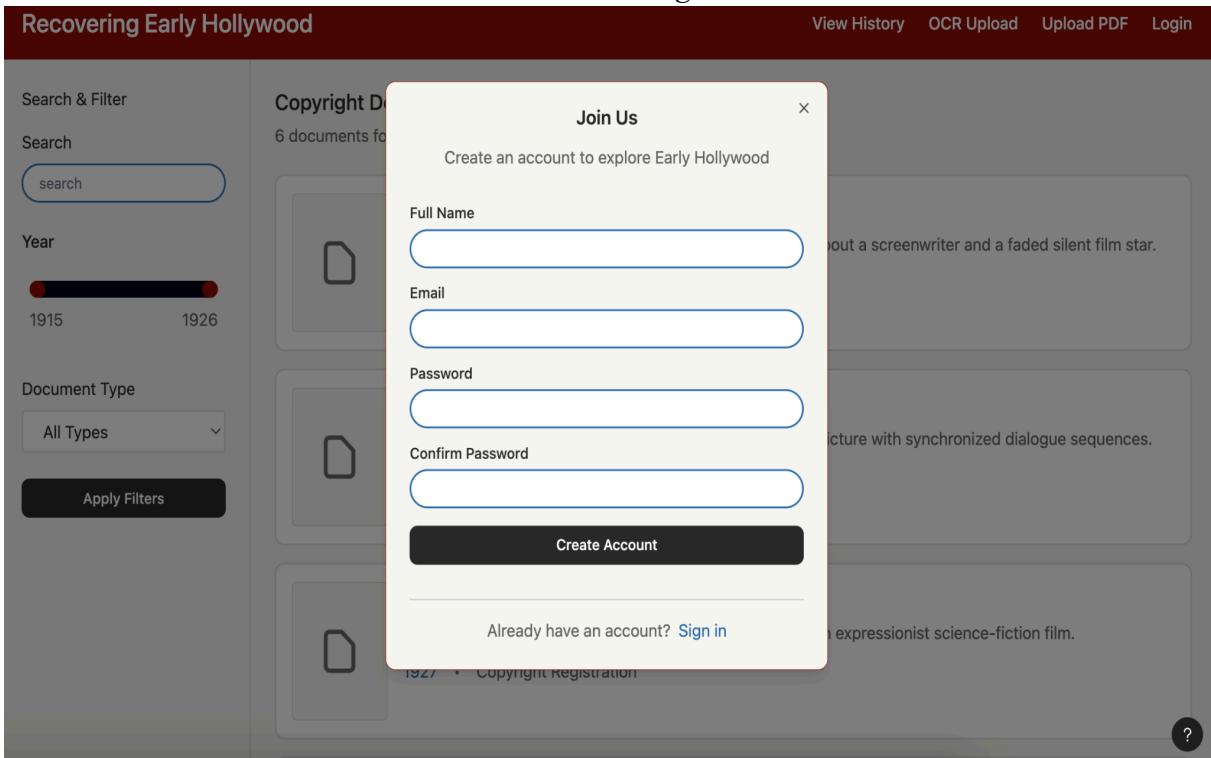
1927 • Copyright Registration

*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.

Previous Searches

[Sunset Boulevard](#)

Nov 15, 2025

[Charlie Chaplin](#)

Nov 14, 2025

[1927 films](#)

Nov 12, 2025

[film noir](#)

Nov 10, 2025

[Gone with the Wind](#)

Nov 8, 2025

[Clear Search History](#)

Your Viewing History

3 documents viewed

[Home](#)[Download History](#)[Sunset Boulevard](#)

Viewed: Nov 15, 2025

Copyright registration documents for the classic film noir about a screenwriter and a faded silent film star.

1950 • Copyright Registration

[City Lights](#)

Viewed: Nov 14, 2025

Charlie Chaplin's romantic comedy-drama about a tramp who falls in love with a blind flower girl.

1931 • Copyright Registration

[The Jazz Singer](#)

Viewed: Nov 12, 2025

Historic copyright filing for the first feature-length motion picture with synchronized dialogue sequences.

1927 • Copyright Registration

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.

[Back to Results](#)Copyright Document
1950[Sunset Boulevard](#)[Flag Document](#)

Description

Sunset Boulevard is a classic American film noir that tells the story of Joe Gillis, a struggling screenwriter, who becomes entangled with Norma Desmond, a faded silent film star living in the past. The film is a dark and cynical examination of Hollywood's treatment of aging stars and the price of fame. Directed by Billy Wilder, the film received widespread critical acclaim and is considered one of the greatest films ever made. The narrative unfolds through flashback as Joe's dead body is discovered floating in Norma's swimming pool, creating a haunting and unforgettable cinematic experience.

Film Details

Year: 1950
 Studio: Paramount Pictures
 Genre: Film Noir / Drama
 Director: Billy Wilder
 Runtime: 110 minutes
 Language: English

Cast

Gloria Swanson
 William Holden
 Erich von Stroheim
 Nancy Olson

Document Information

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.

The screenshot shows a web-based application interface for managing flagged documents. At the top, a header bar displays the title "Flagged Documents" and a message indicating "3 documents flagged for review". Below this, a list of flagged documents is presented in a grid format. The first item in the list is "Sunset Boulevard", described as "Copyright registration documents for the classic film noir about a screenwriter and a faded silent film star." It includes a small thumbnail icon, the title, a brief description, and a timestamp ("1950 • Copyright Registration"). To the right of this item is a red button labeled "3 Flags ^". Below this item, there is a section titled "Review Comments" containing three entries from different users:

- Dr. Sarah Mitchell (DSM) - Nov 15, 2025: "Document appears to have incorrect filing date. Should be cross-referenced with studio records."
- James Rodriguez (JR) - Nov 12, 2025: "Missing signature on page 3 of the copyright registration form."
- Emily Chen (EC) - Nov 10, 2025: "Potential discrepancy in the listed production company name."

At the bottom of the list, another document titled "Metropolis" is partially visible, with the description "Copyright documentation for Fritz Lang's influential German expressionist science-fiction film". To the right of this item is a red button labeled "2 Flags ^".

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.

The screenshot shows a web-based application titled "Recovering Early Hollywood". At the top, there is a red header bar with the title and navigation links: "View History", "Flagged Documents", "Documents Manager", and "Login". Below the header, a white content area is titled "Documents Manager" and includes a sub-instruction: "Manage copyright documents in the archive". A blue button labeled "Add Document(s)" with an upward arrow icon is located in the top right corner. In the center, there is a search bar with the placeholder text "Search documents by title, year, or studio...". Below the search bar, a message indicates "6 documents found". A list of documents is displayed in a table format. The first row shows a checked checkbox, a file icon, the title "Sunset Boulevard", the year "1950", the category "Copyright Registration", and the studio "Paramount Pictures". The second row shows an unchecked checkbox, a file icon, the title "The Jazz Singer", the year "1927", the category "Copyright Registration", and the studio "Warner Bros.". At the bottom left of the list, there is a partially visible document title "Metropolis". On the far right of the list, there is a red button labeled "Remove Selected" with a trash can icon. At the very bottom right of the content area, there is a small question mark icon.

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%