

Network Media Final Project

# DARAK

A room for your memories

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# MOTIVATION

Cultural experiences quickly evaporate

→ Tried to record them using other apps (e.g. Notion, Memos) but not satisfied



I wanted to create a space where I could manage records more easily and enjoyably,  
centered on an “image calendar” function that is easy to see at a glance.

`'Attic For storing memories and tastes.'`

# | 4 Main Features



## IMAGE CALENDAR

Visualize your month at a glance with a grid of posters. Feel the **sense of pride** as you fill in the cells with your cultural journey.

- > Custom images
- > Customizable categories
- > Detailed appreciation logs



## Statistics

Identify your favorite **genres, directors, and actors**. The word cloud feature visualizes your most frequent evaluation keywords for a deep dive into your personal taste.

# | 4 Main Features



## BUCKET LIST BOOKSHELF

Experience the joy of putting works you want to see into a **visual bookshelf**, in a shape of real videotapes or books.

- > 2.5D shelf interface
- > One-click record conversion
- > Give fun of setting the list and recording



## TICKET ARCHIVING

Records are transformed into **digital tickets**, and can play roles such as being saved separately and shared on SNS.

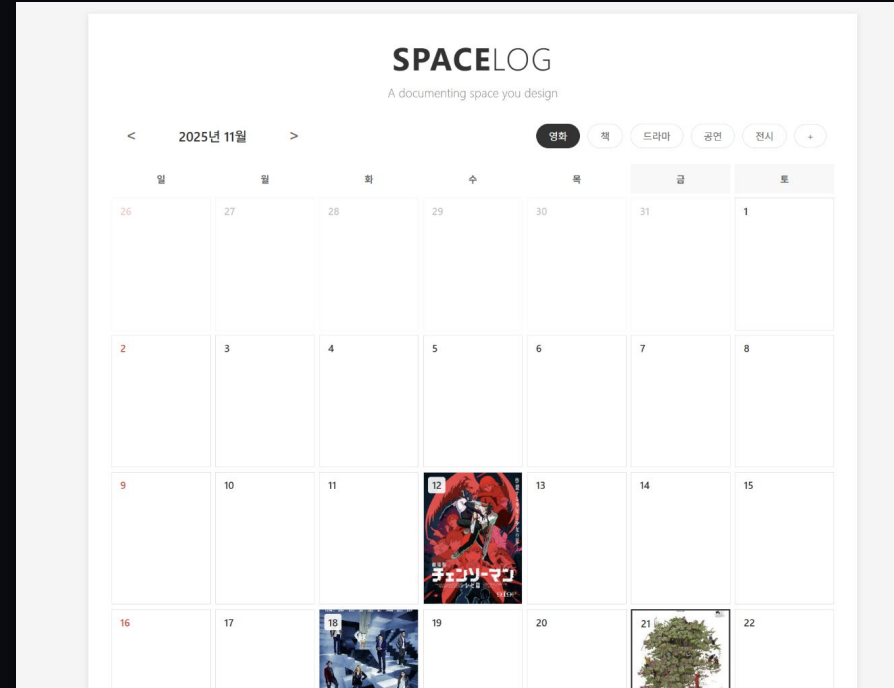
**Archiving Gallery:** Adding the fun of collection by making it possible to pin them to a web gallery through archiving.

# DESIGN PROCESS



## SPACELOG

Initial "Space" concept. Felt a bit too childish for the intended emotional depth.

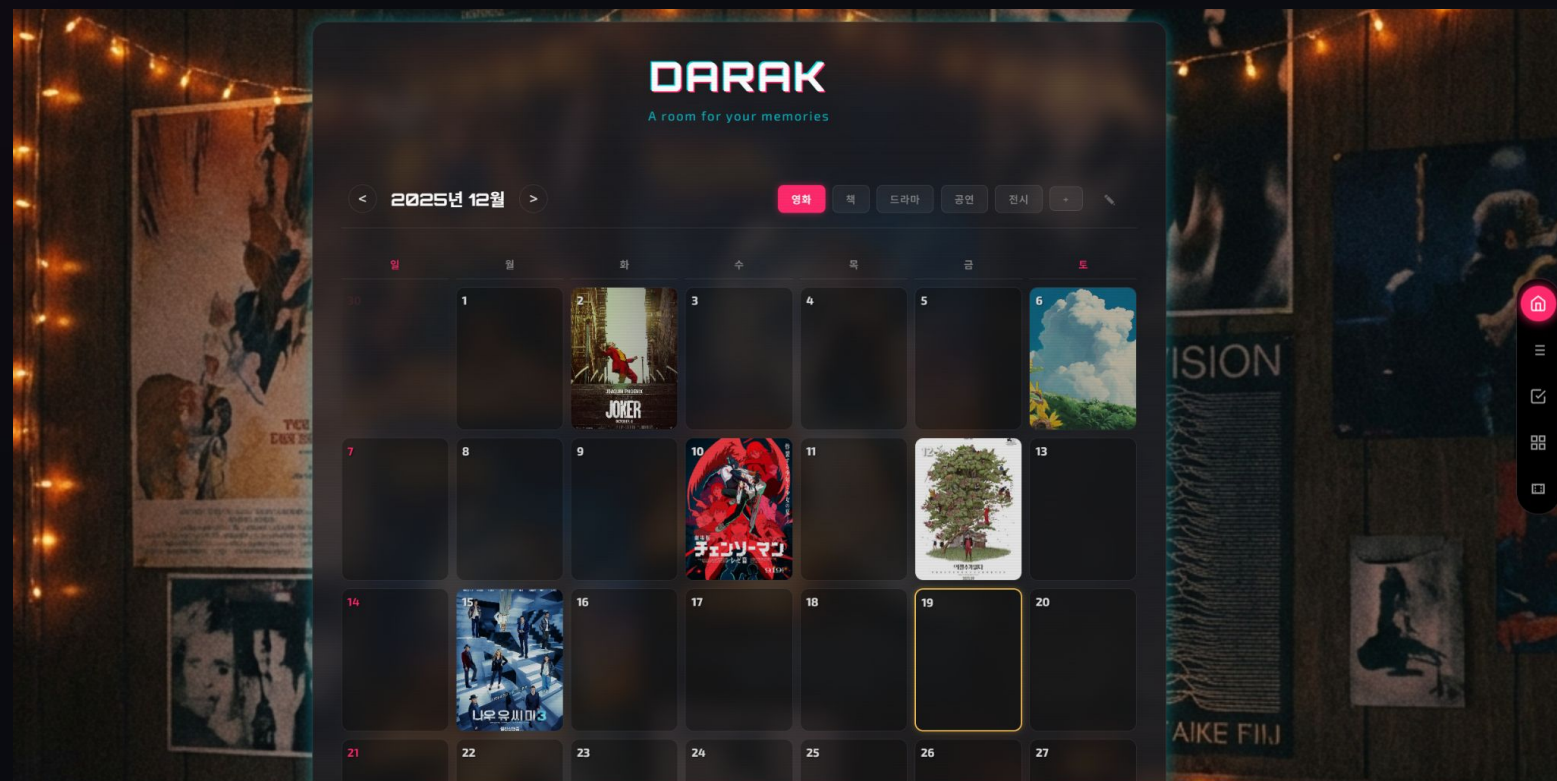
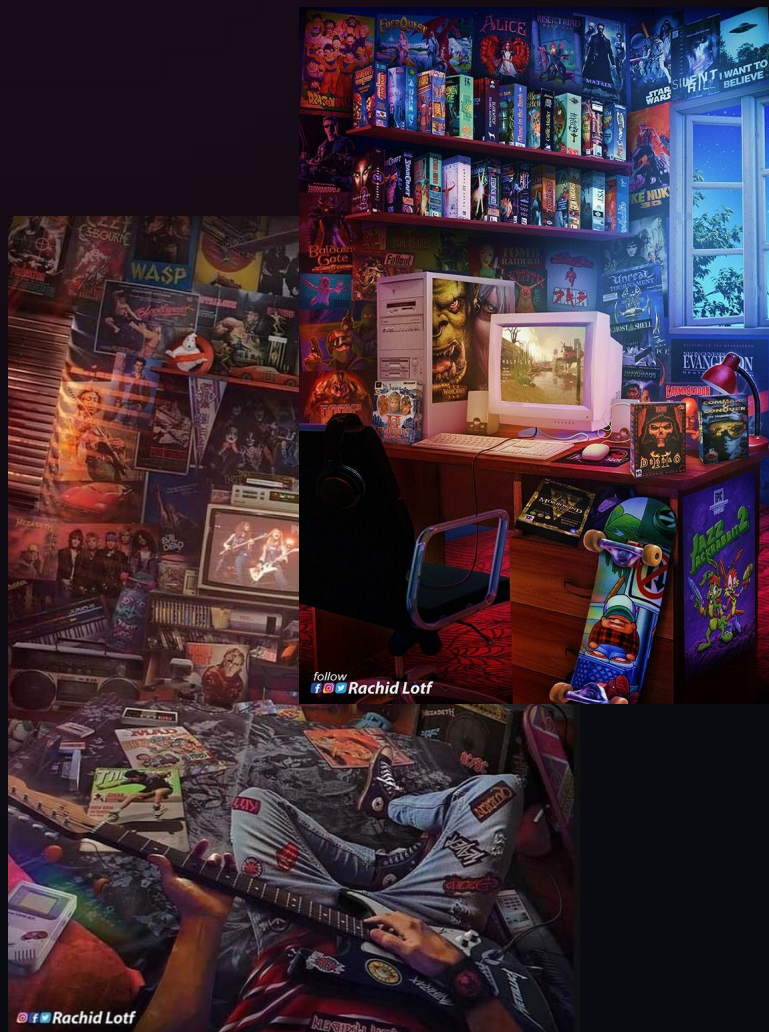


## MINIMALISM

Clean white design. Felt like a cold work tool rather than a cozy hobby space.



# DESIGN PROCESS



## Pivot to DARAK

80s arcade feel with neon pink/blue on a dark cozy backdrop.

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# Demo Showcase

# TECHNICAL STACK

Frontend: HTML / CSS / Javascript

## Libraries

**html2canvas** to convert written reviews into actual collectible ticket images

**ZingChart** to implement the user's taste keywords as a word cloud.

**Lucide Icons**.

## APIs

**IndexedDB API** as a core storage to stably manage data such as large images and audio

**FileReader API** to process image and audio files from the local device.

**Google Custom Search API** to search for poster information on the web and the **YouTube Embed API** for soundtrack recording.



# CORE CODE STRUCTURE

HTML / Javascript



## SPA Structure & Section Management

Designed for future mobile app expansion.

Switched views using **state-based system** (div containers switched to display: block/none) in one index.html for app-like usability.



## IndexedDB

- > LocalStorage → unsuitable for handling data
- > Object Stores: Built a structured NoSQL database within the browser.

# CORE CODE STRUCTURE

## CSS

### Variable-based theme management

Set CSS variables in the :root pseudo-selector

### Glassmorphism and retro effects

Applied 'Glassmorphism' effects using backdrop-filter and neon box shadows

### Responsive layout

CSS Grid for the calendar and Flexbox for the navigation bar

### Canvas API

Digital tickets were created through the Canvas API.

# FUTURE ROADMAP

- > **API Integration:** Finalize Google Search & YouTube integration.
- > **Social Networking:** Add a feature to share records through a friend addition function.
- > **Data Management:** Implement JSON import/export functions for backups.
- > **Deployment:** Final hosting via GitHub Pages.

# CONCLUSION

- > Implementing pages using HTML and CSS learned in class was fun, but there were many difficulties in manipulating datasets using Javascript and implementing various complex interlocking functions. Throughout the process, I realized that even the simple functions or design details were the result of many people's thoughts and efforts.

*Proud to have implemented all primary goals from midterm.*

A dimly lit bedroom with a wooden wall covered in posters. The posters include 'THE USUAL SUSPECTS', 'BACK TO THE FUTURE', 'JOY DIVISION', and 'STREET FIGHTER'. A boombox sits on a wooden chest in the foreground, and string lights are visible on the left and right sides of the room.

# THANK YOU