



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

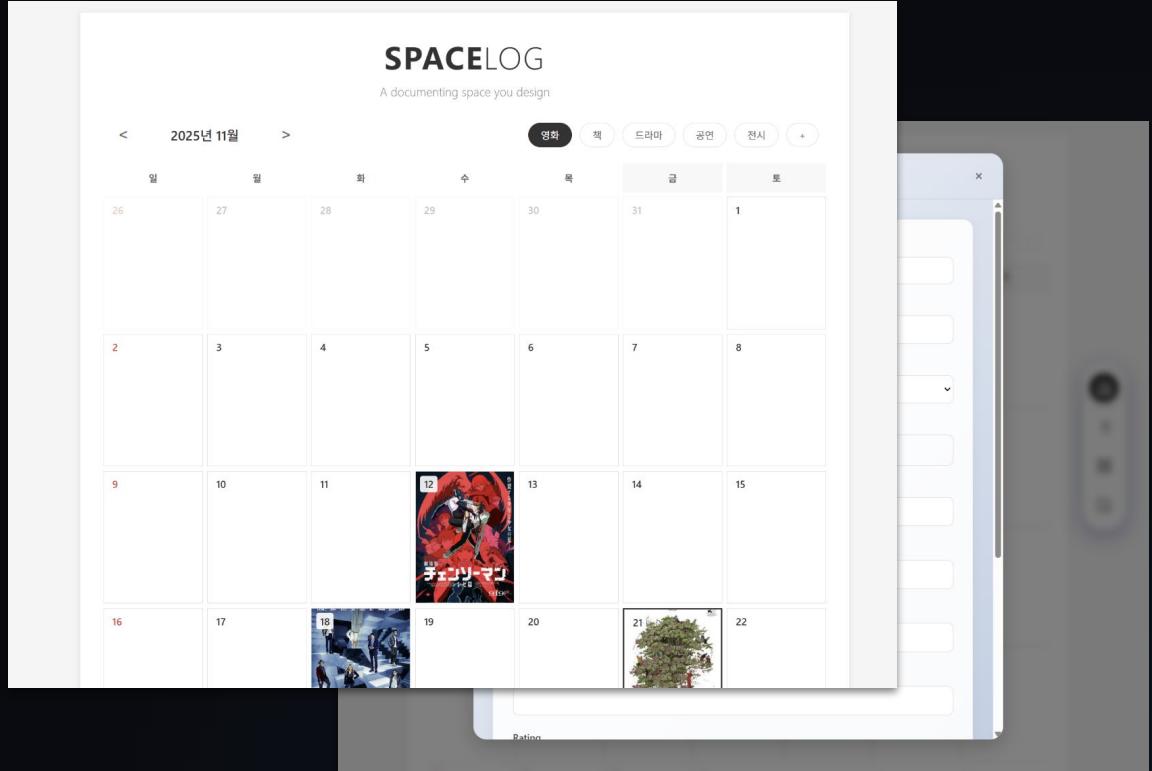


## TICKET ARCHIVING

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



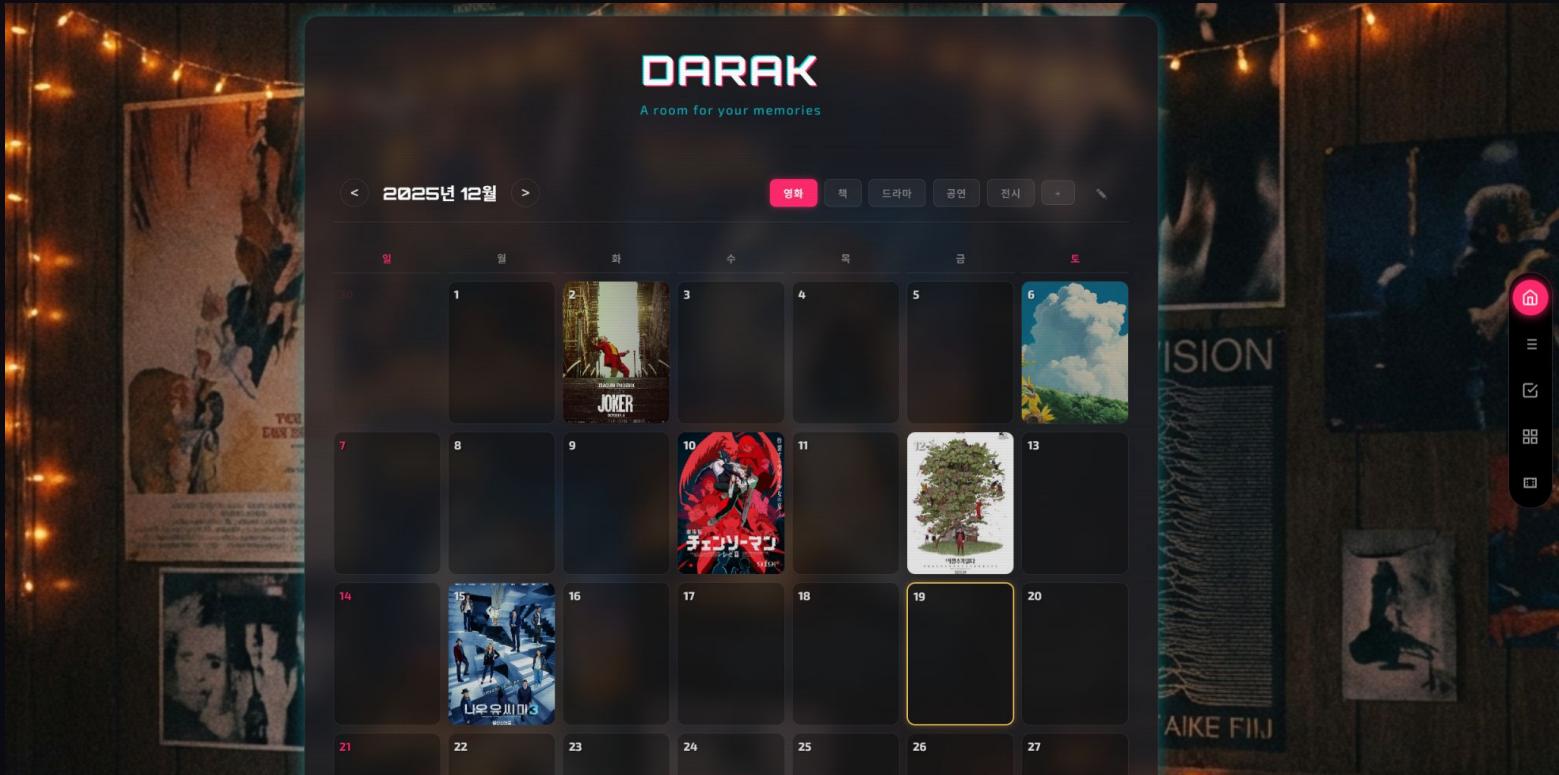
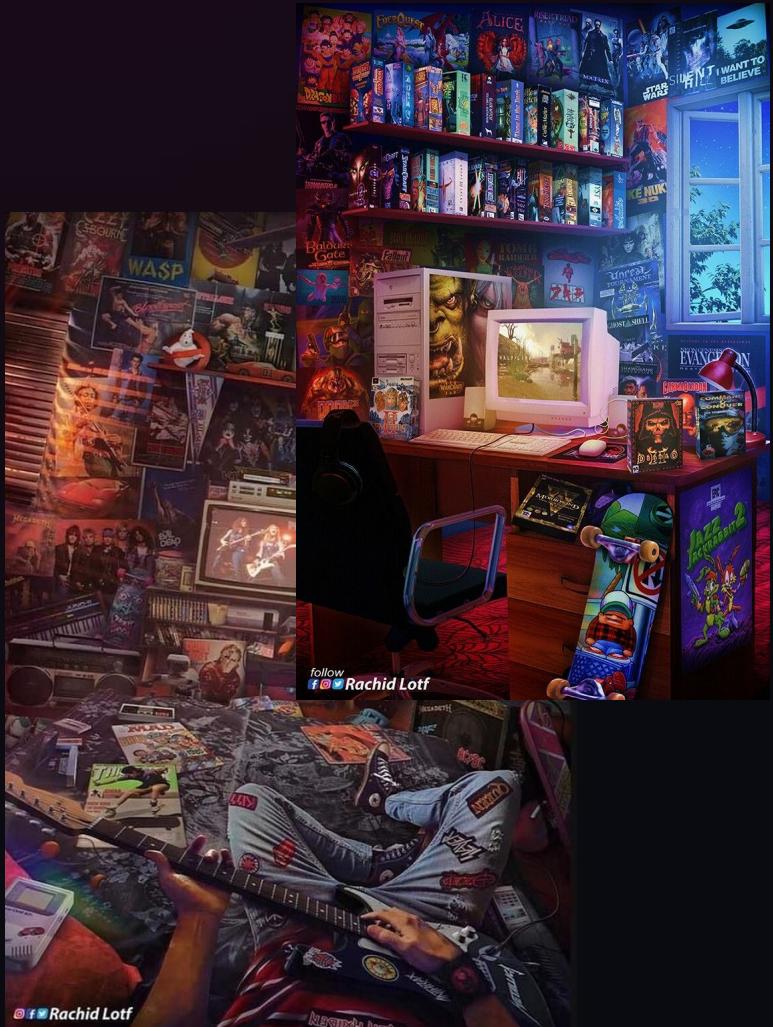
## SPACELOG

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.*

# THANK YOU