

Connected Platform Term Project

6조 김세영, 최이정, 홍예선, 황지우





Table of Contents

01 Major Requirements

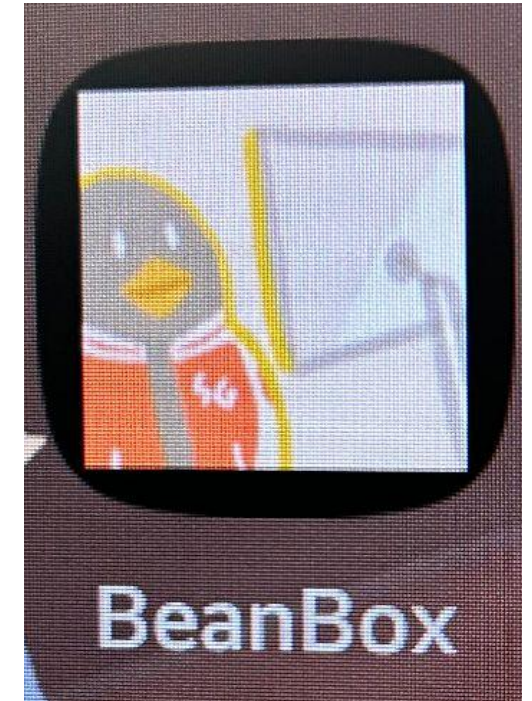
02 Architecture

03 Major Features

04 Our Team /Demo

01 Major Requirements

- ❑ Enact 기반 미디어 웹 앱 개발
- ❑ 미디어 목록 제공
- ❑ 미디어 기본 재생 기능
- ❑ 동영상 재생 및 시스템 자원 현황 데이터를 이용하여 시각화 기능 제공
- ❑ 임베디드 환경을 고려한 앱 구성
- ❑ +@ 심화 기능

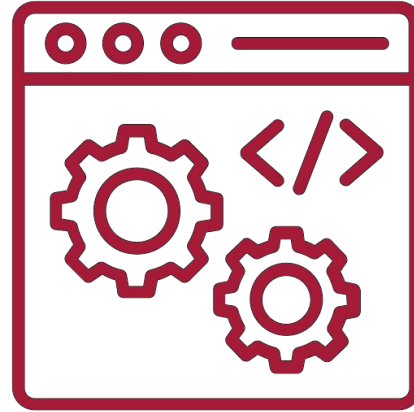


02 Architecture



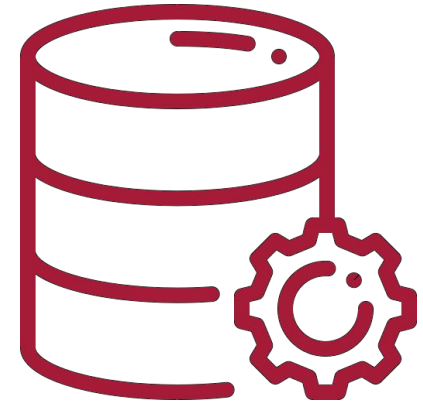
FRONTEND

ReactJS
EnactJS



BACKEND

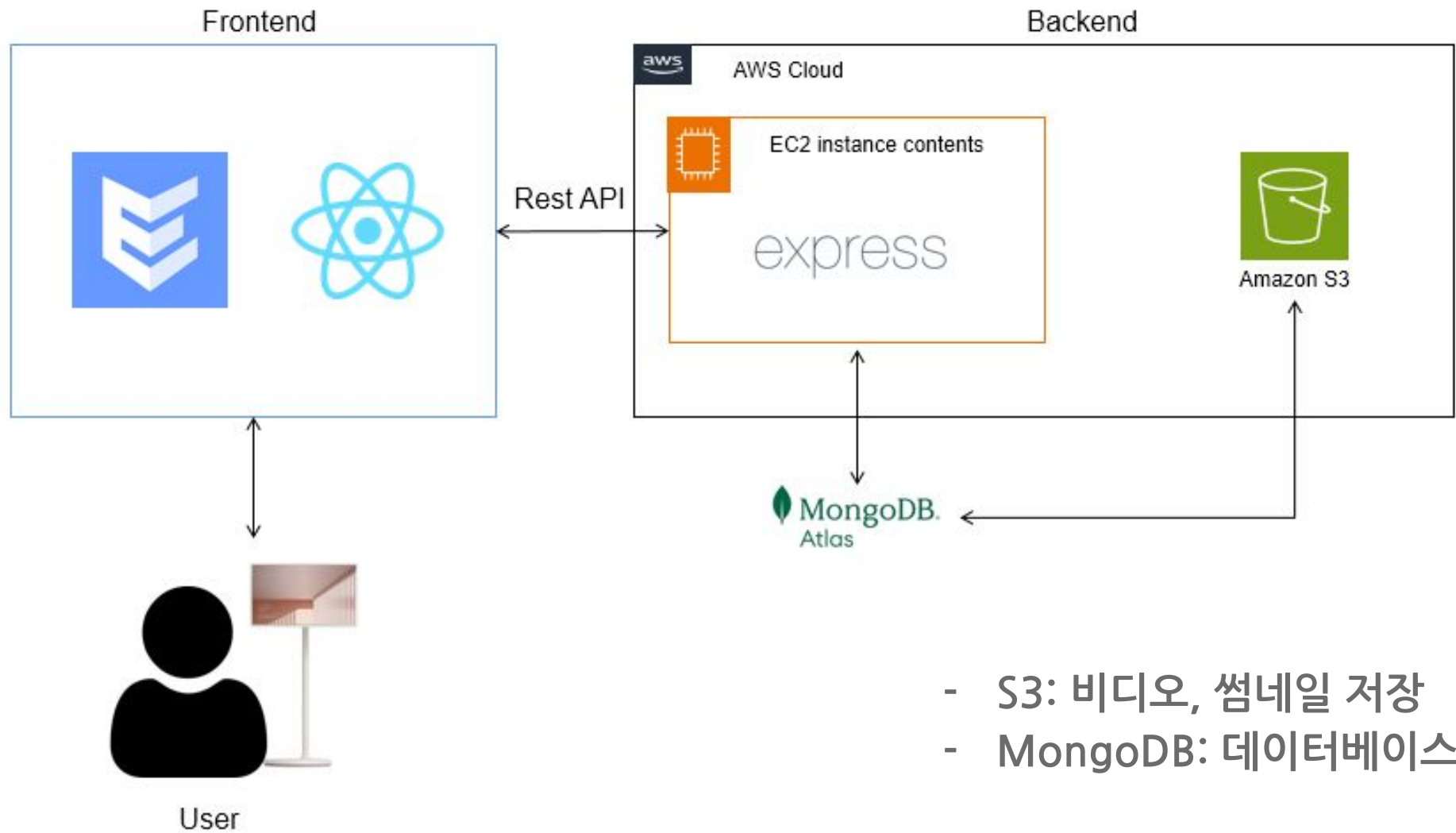
Node.js
Express.js
AWS EC2



DATABASE MEDIA SERVER

MongoDB
AWS S3

02 Architecture



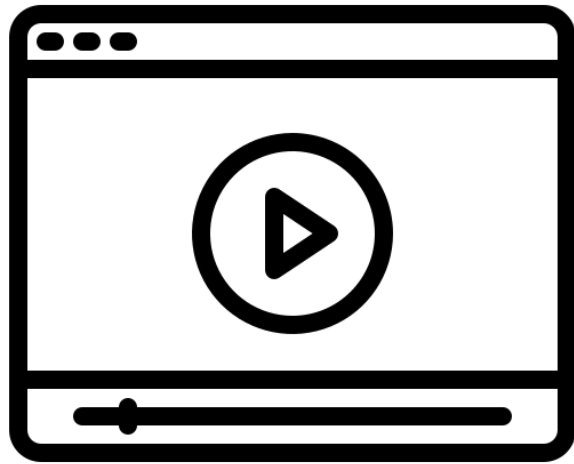


02 Backend Server

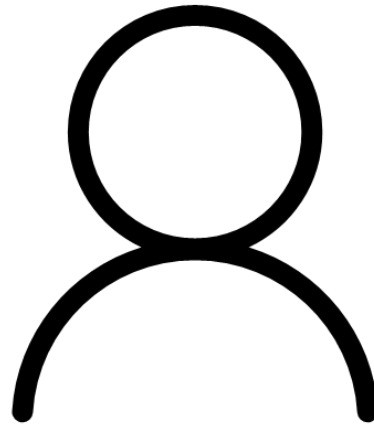
Playlist API

Log API

User API



VIDEO



USER



VIDEO CHART

03 Major Features

가입, 로그인 및 사용자 식별 기능

Register

Enter your username, email, password and additional information to sign in.

Username
Luna

Email
Luna@gmail.com

Password
.....

Age
15

Gender

Login

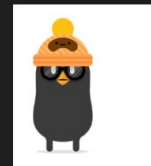
Login using your email and password

Email
Email

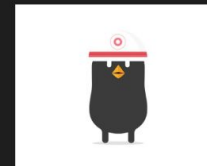
Password
Password

Login

Edit
Profile



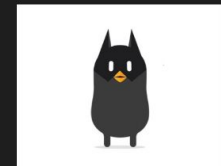
3ird 3



BeanBird 4



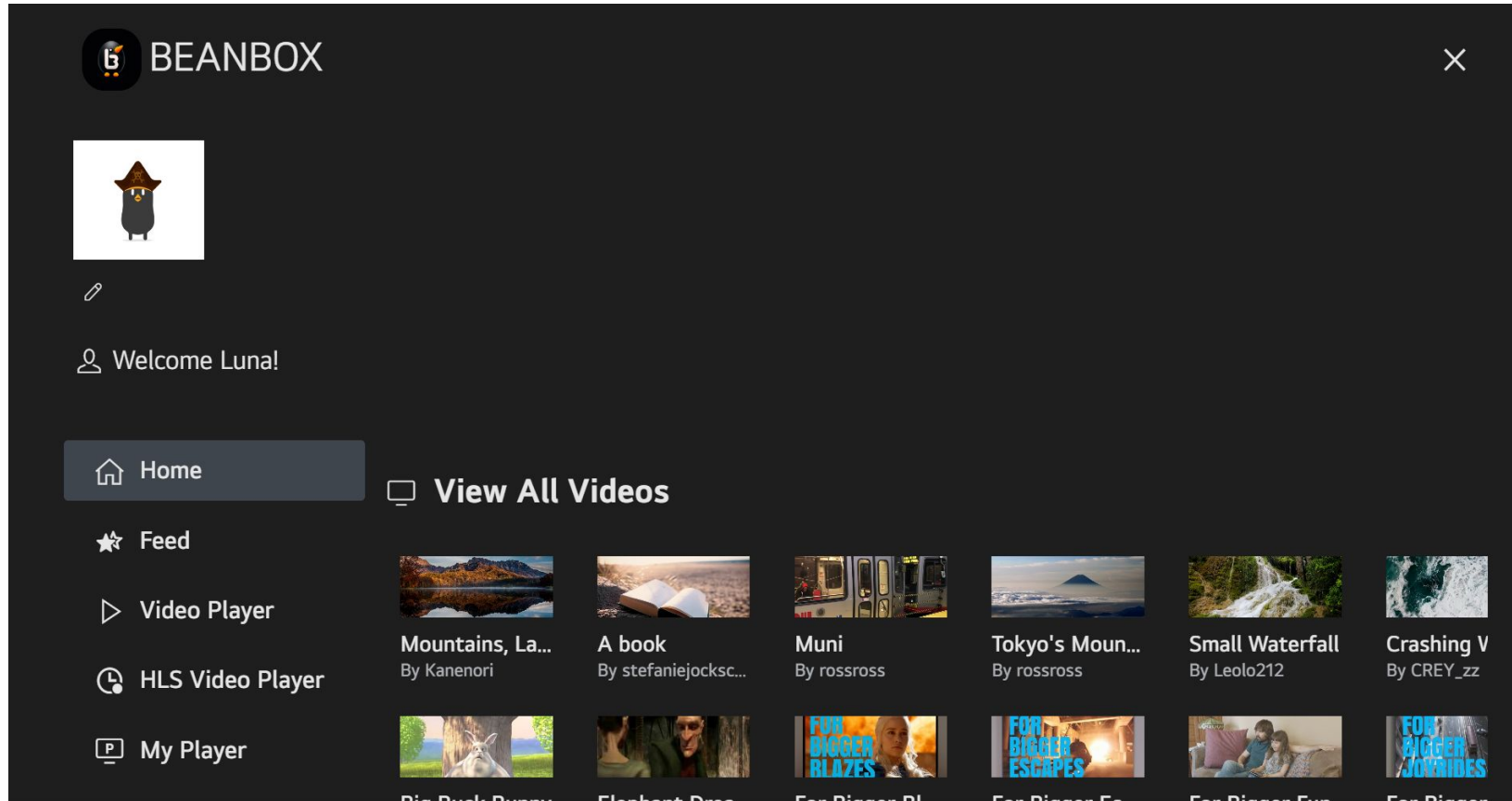
BeanBird 5



BeanBird 6

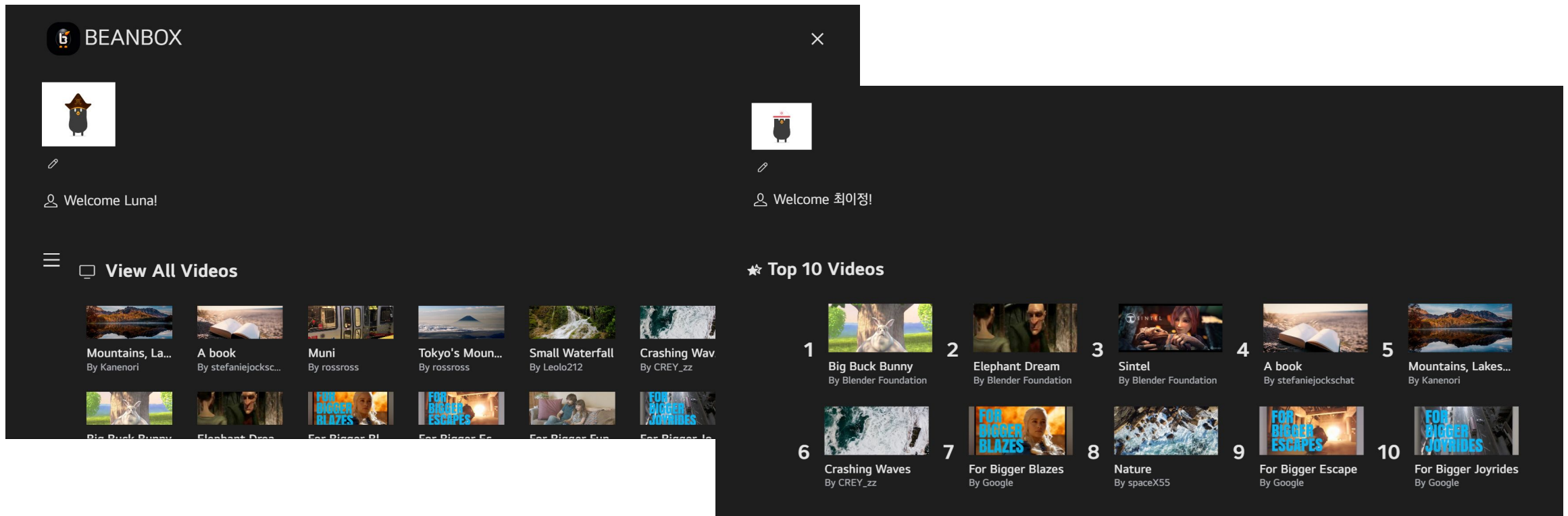
03 Major Features

가입, 로그인 및 사용자 식별 기능



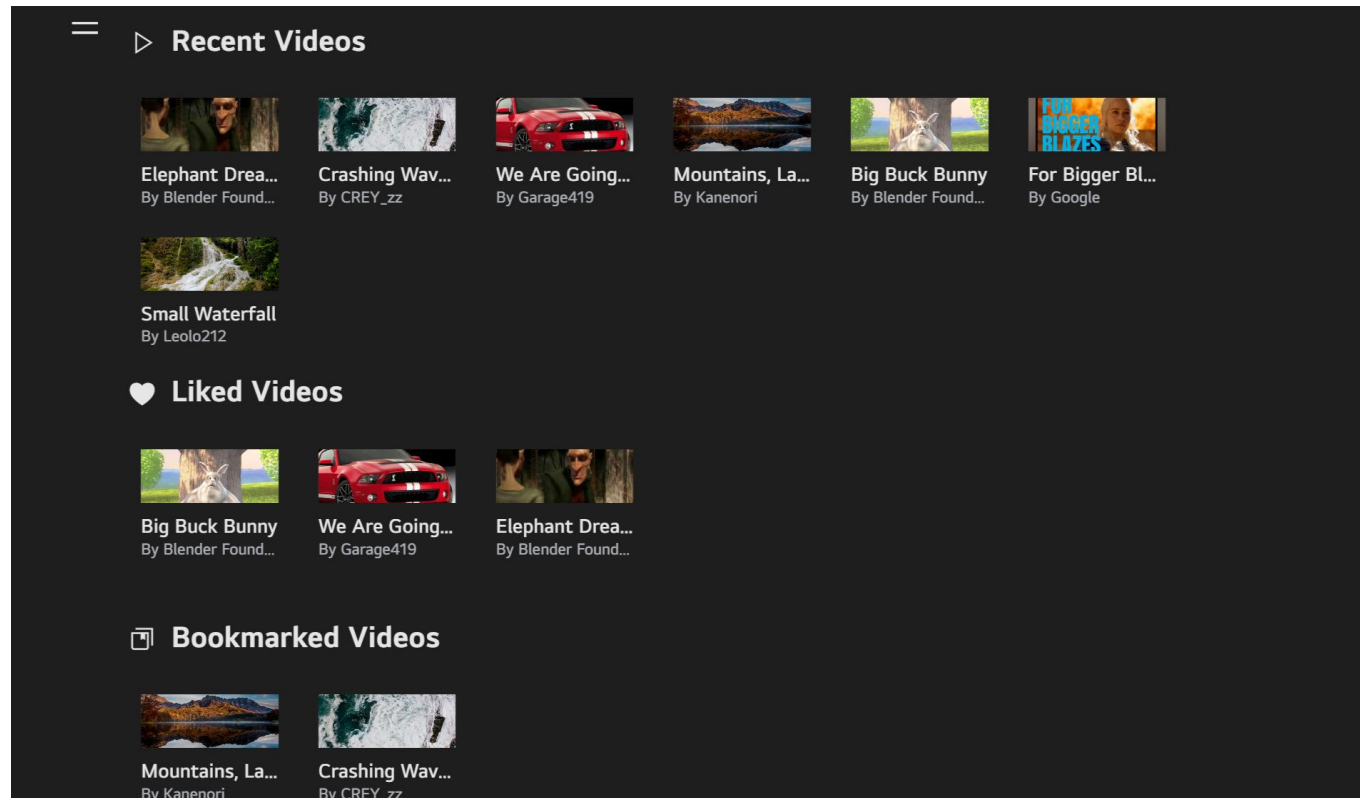
03 Major Features

- 사용자 맞춤형 비디오 목록 제공 기능
 - 전체 비디오
 - 인기 비디오



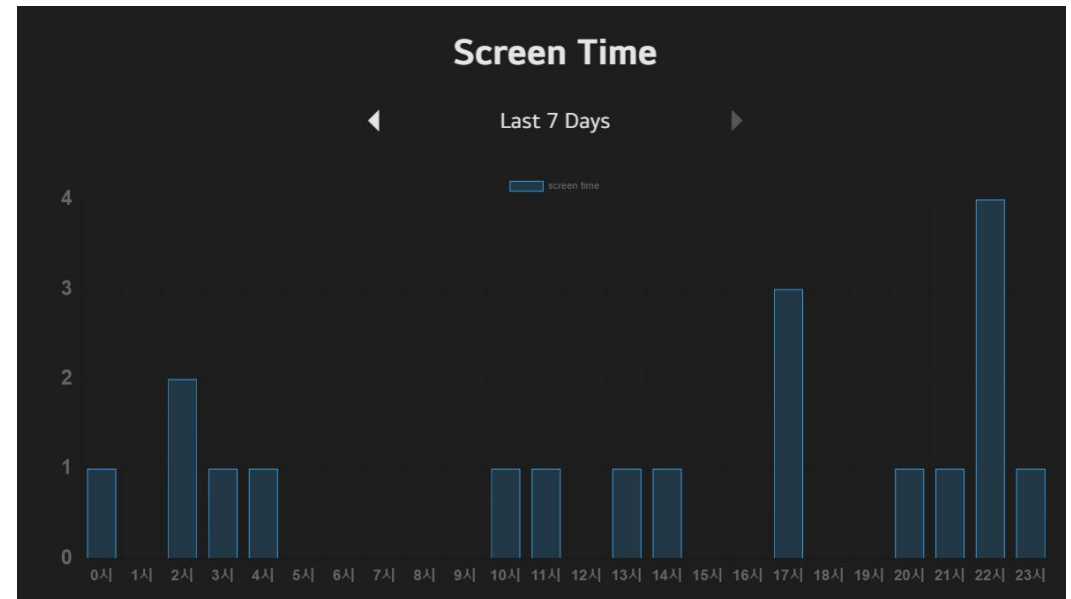
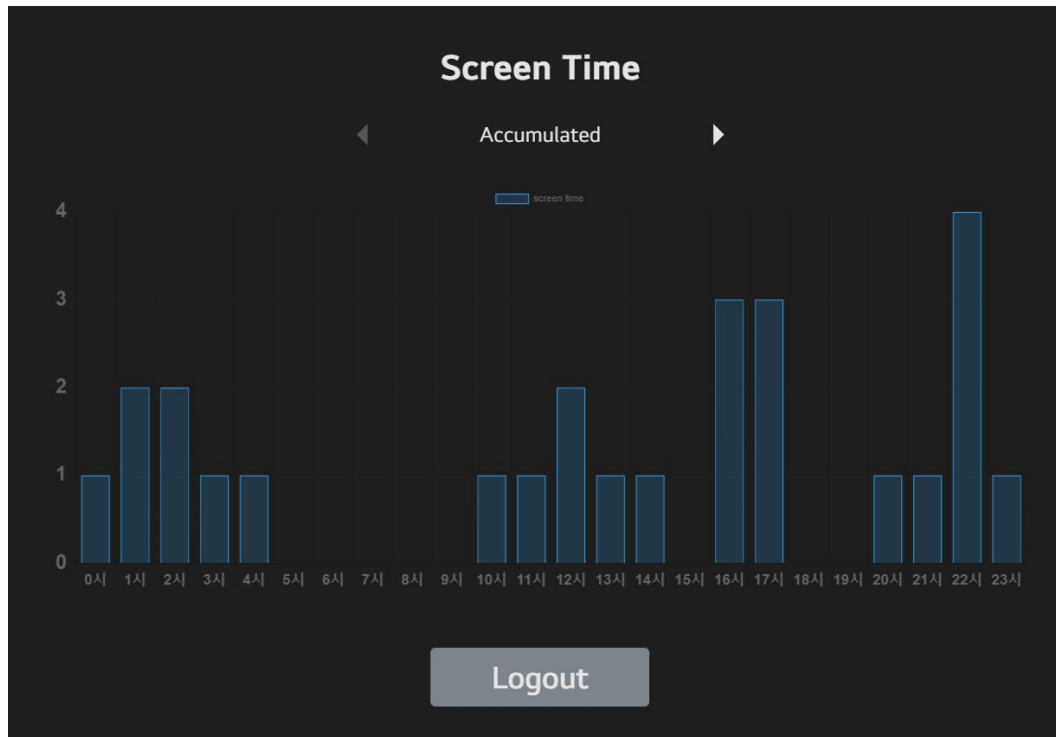
03 Major Features

- 사용자 맞춤형 비디오 목록 제공 기능
 - 최근 시청한 비디오 / 좋아요 비디오 / 북마크한 비디오



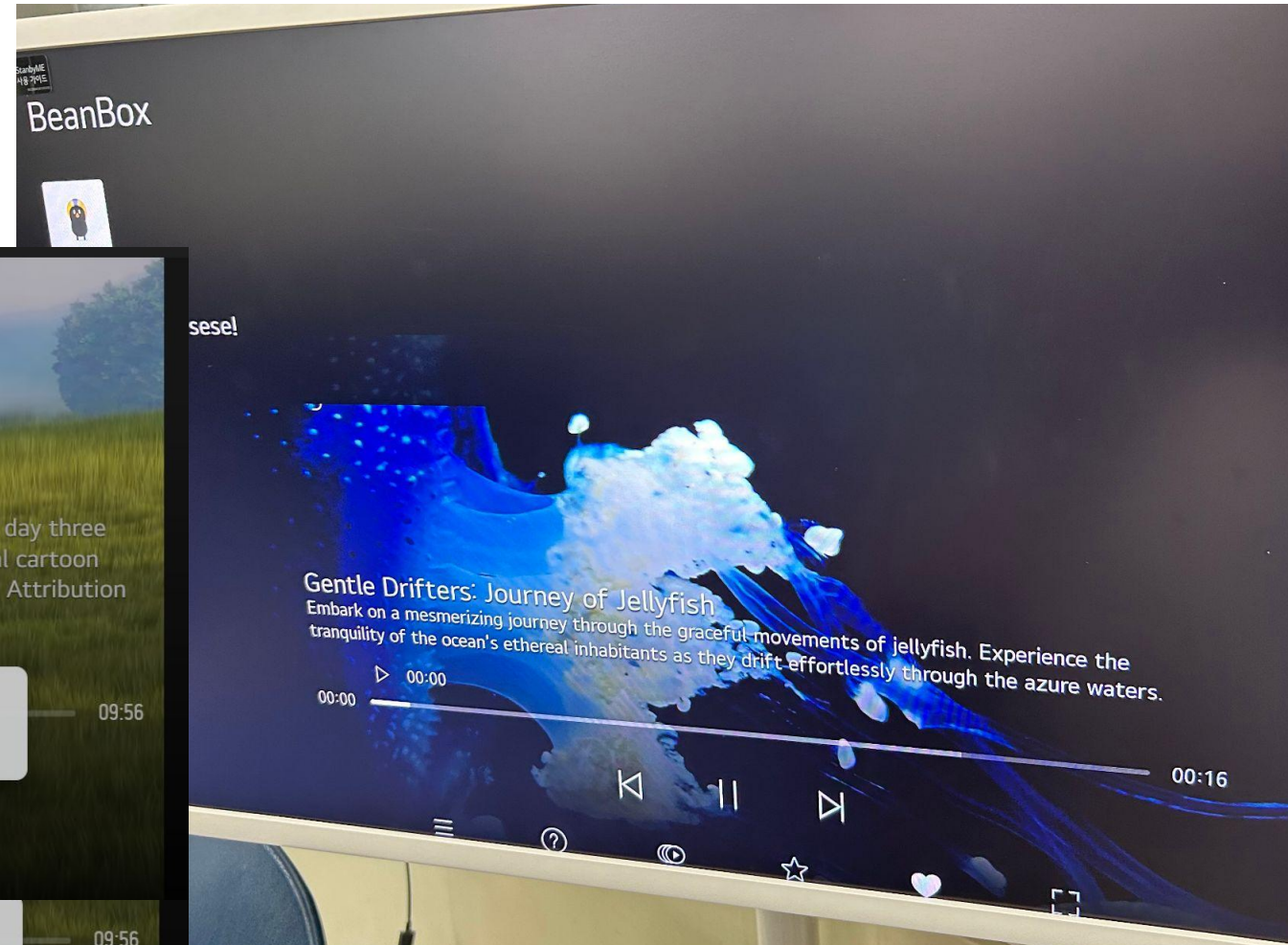
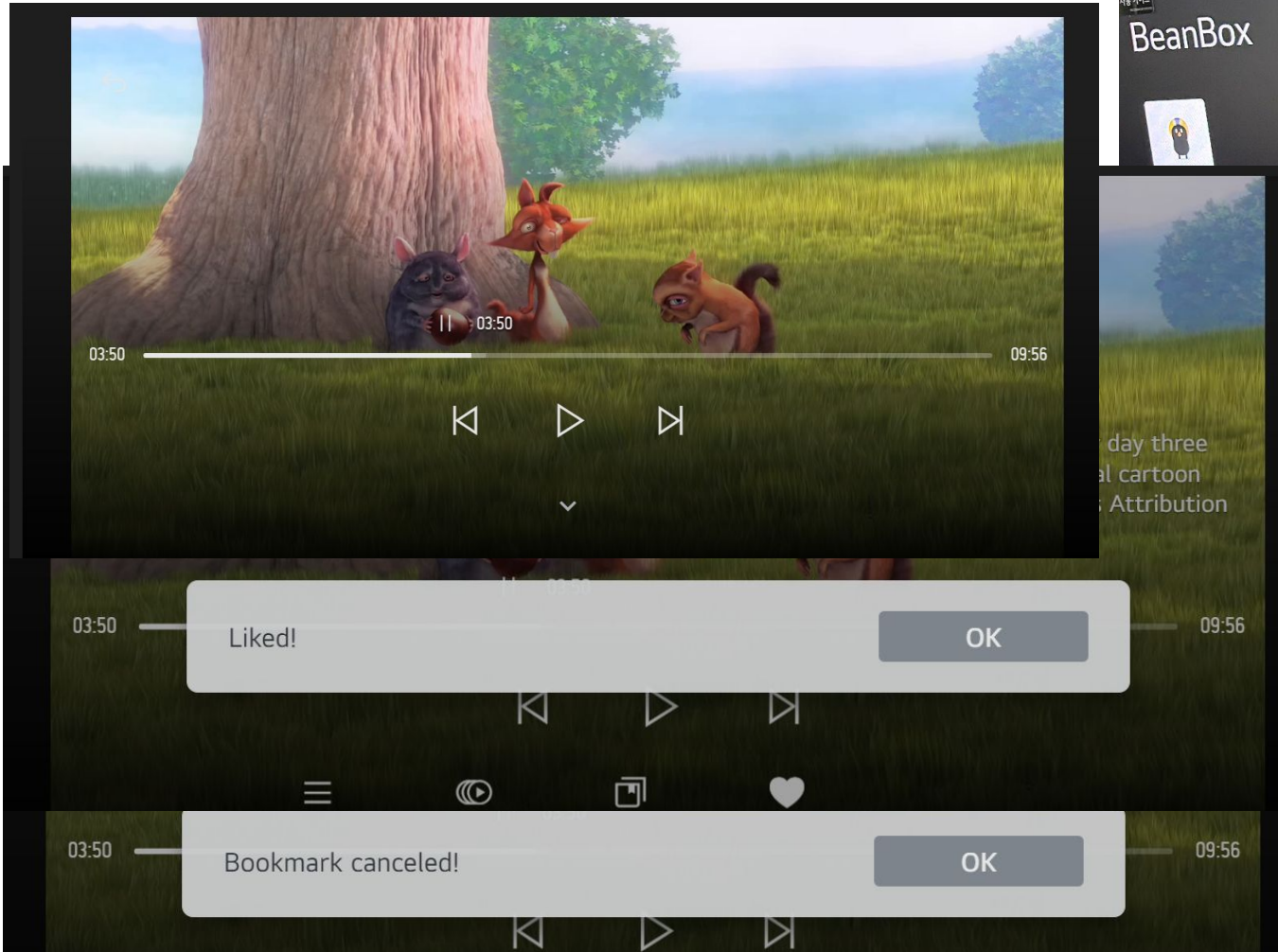
03 Major Features

- 앱 사용 현황 데이터 수집, 분석
및 시각화 기능 (부가적으로 로그아웃 기능)
- 스크린 타임(사용자의 시청 시간대)



03 Major Features

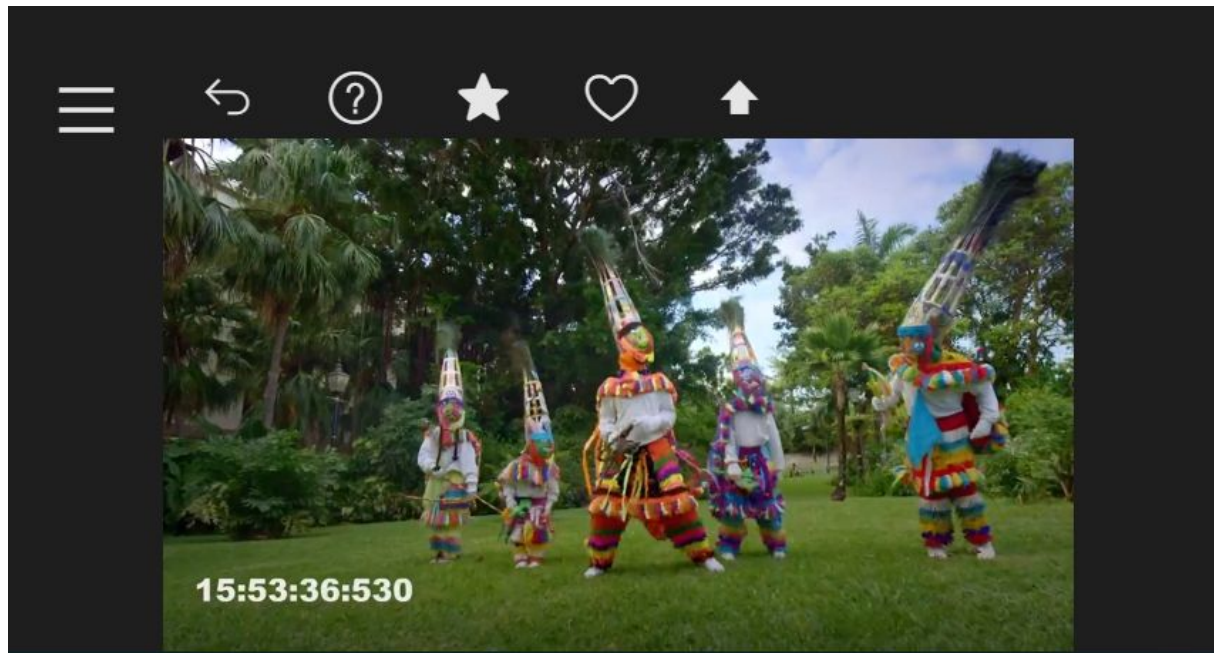
- ❑ 좋아요, 북마크 기능
- ❑ 비디오 이어보기 기능



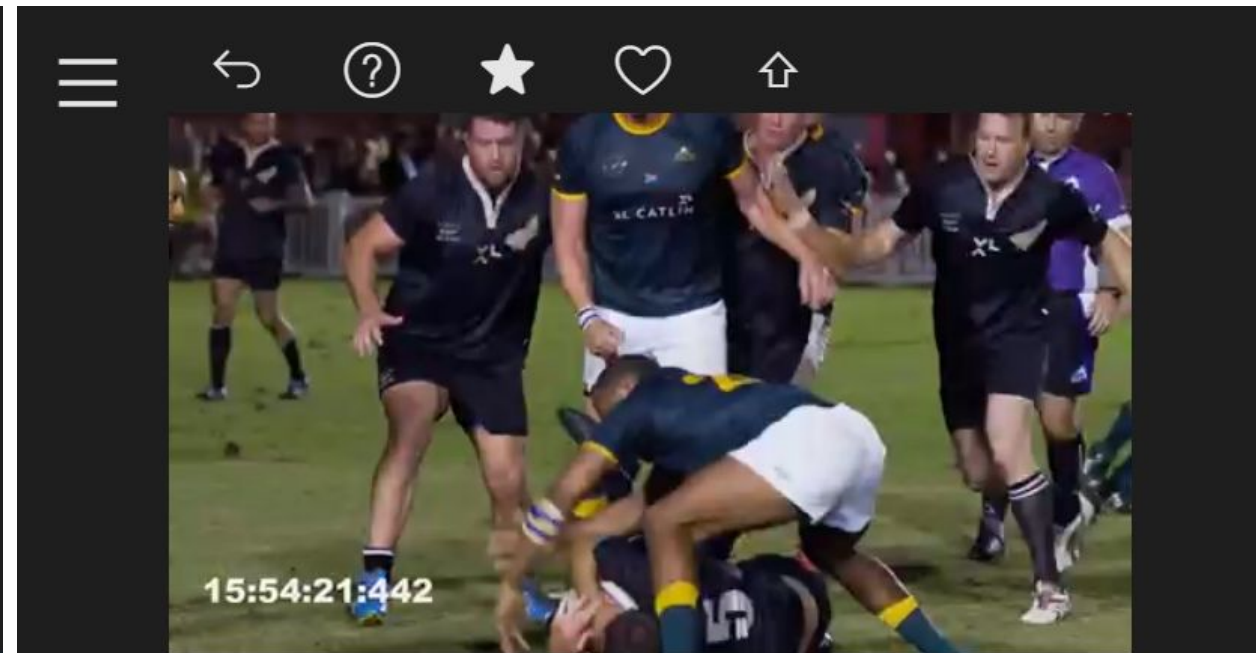
03 Major Features

❏ HLS 비디오 플레이어

Adaptive streaming on

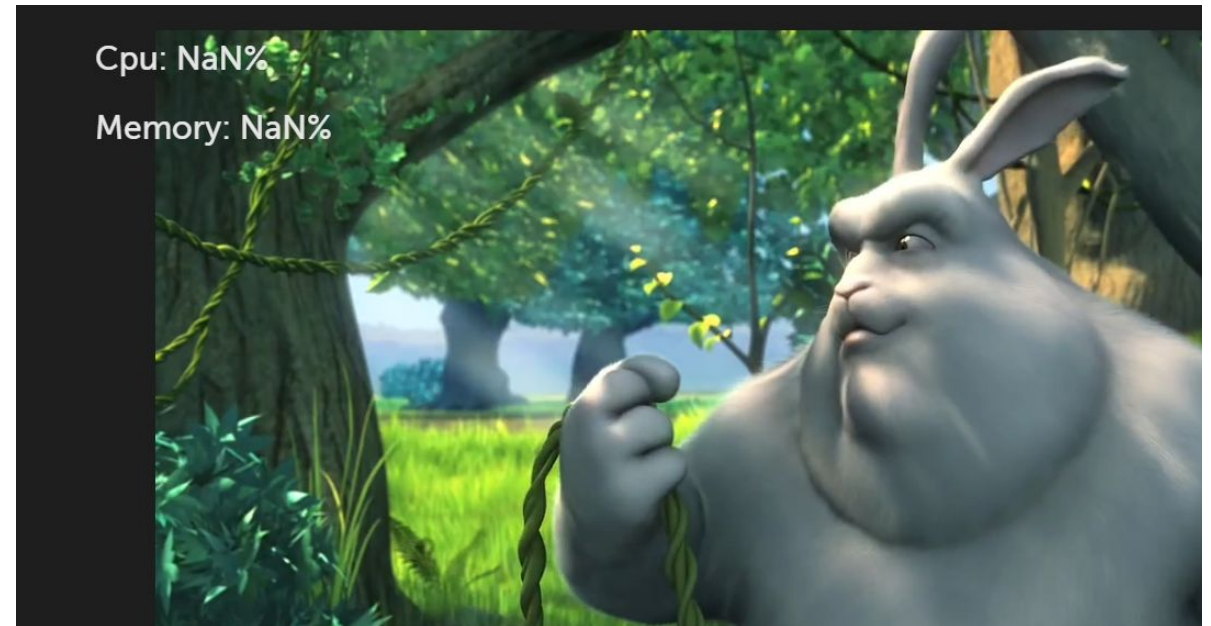


Adaptive streaming off(Level 0)



03 Major Features

□ 실시간 시스템 자원현황 시각화 기능 (CPU, Memory)



04 Our Team

Team 6

- 김세영
 - 백엔드, DB 설계 및 서버 구축
- 홍예선
 - 프론트엔드, 시스템 데이터 시각화
- 최이정
 - 프론트엔드, 로그인 및 사용자 정보 시각화
- 황지우
 - 프론트엔드, 미디어 플레이어 기능 구현

WE WANT OUR TV SMART!

Are you sure? No apps. No store. No streaming content. No nothing.



Thank you

