Media Streaming with IBM Cloud Video Streaming

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Abstract of Video streaming

- IBM Cloud Video Streaming leverages cloud infrastructure to host, manage, and deliver video content. It enables secure, scalable, and global access to videos, making them available on-demand or for live broadcasts. This service empowers organizations to reach a broad audience while ensuring a seamless and secure viewing experience."
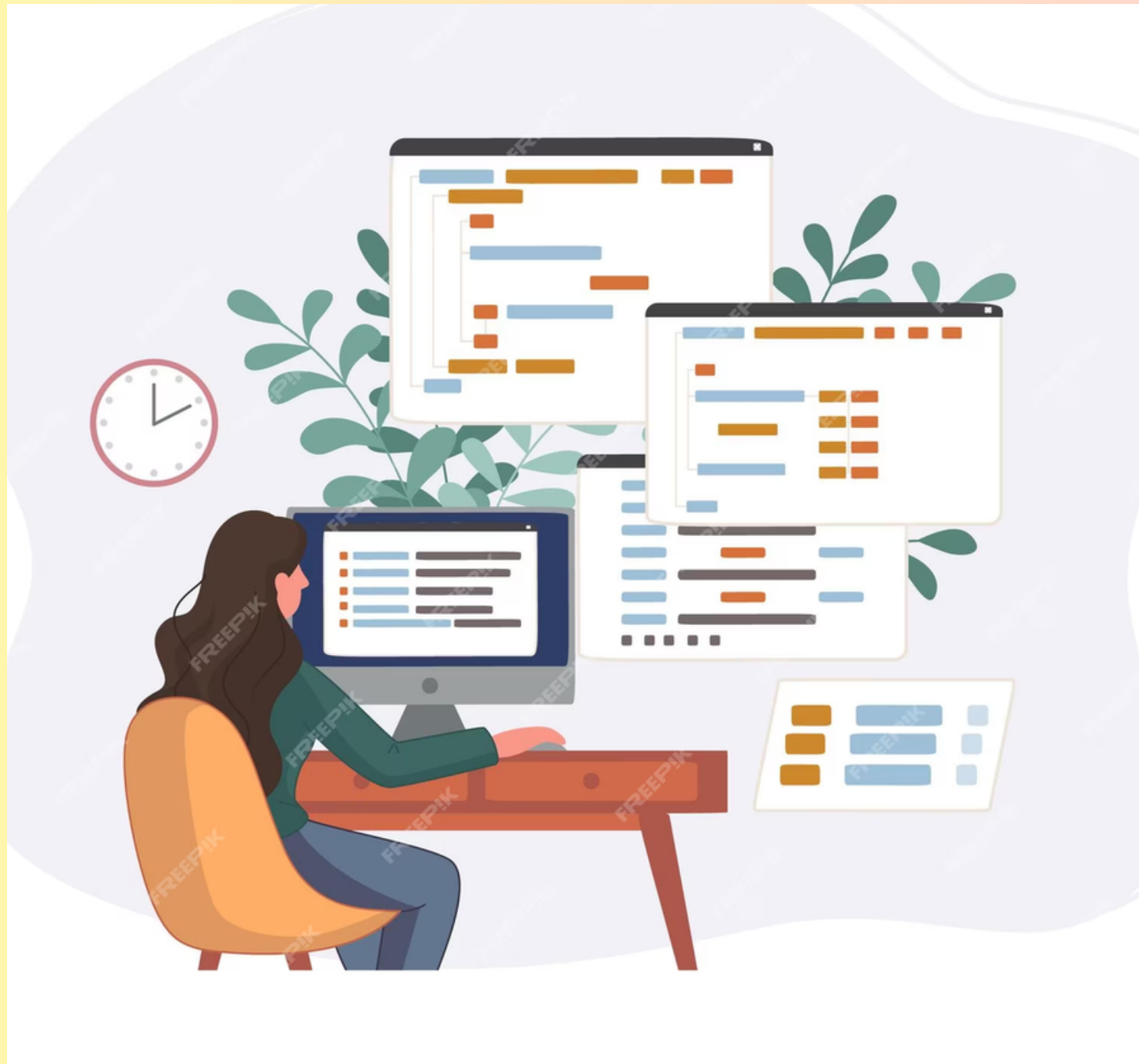
Problem Statement of video streaming

- Create a virtual cinema platform using IBM Cloud Video Streaming. Upload and stream your favourite movies and videos on-demand.
- Share joy of movie nights with friends and family, no matter where they are located.
- Elevate movie-watching experience with streaming and high-quality video playback for a truly immersive cinematic experience.

Problem Solving by Design Thinking
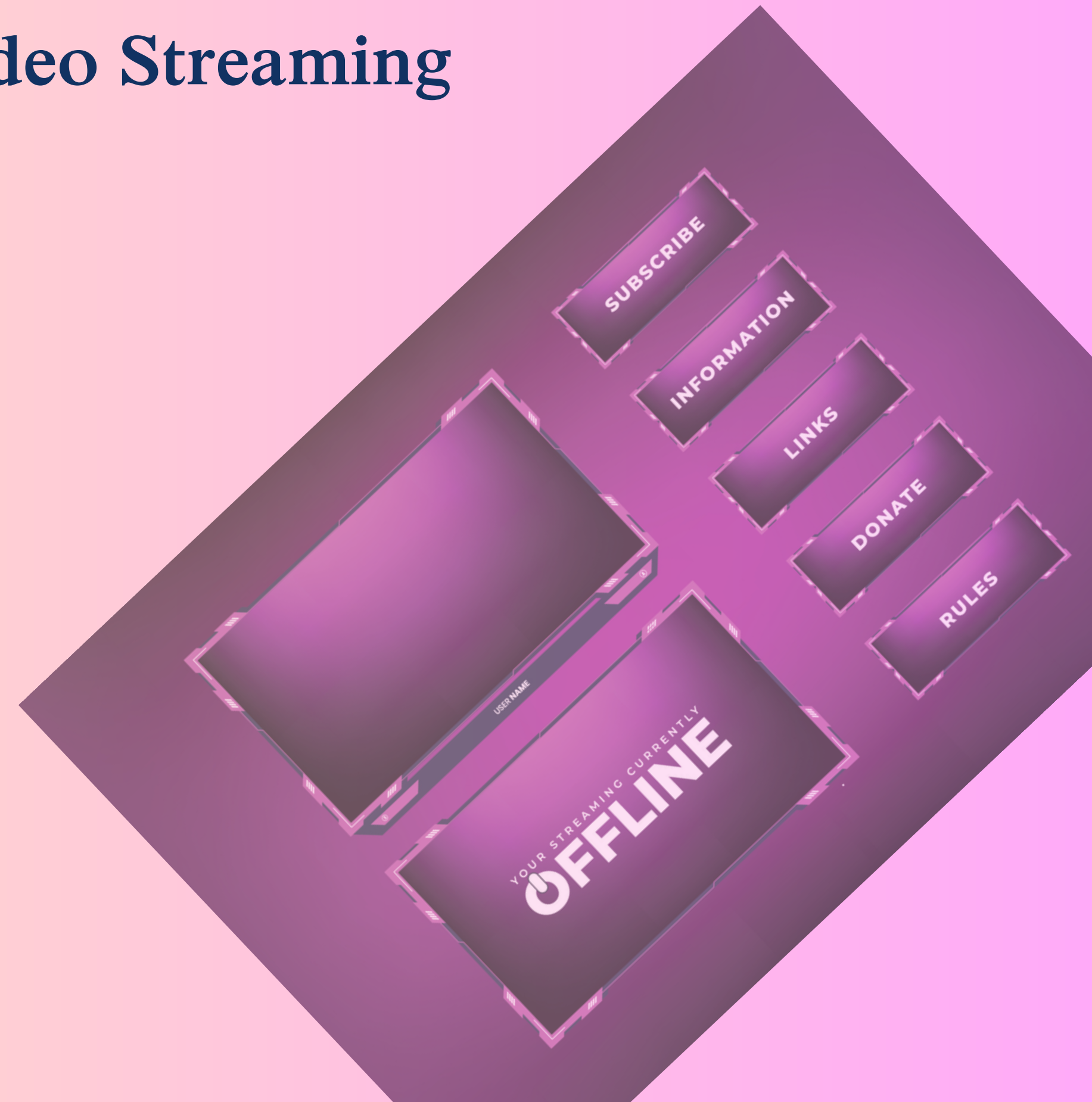
Concept of Video Streaming

- The project creating a virtual cinema platform using IBM Cloud Video Streaming. The platform for users can upload & stream movies, videos on-demand.

- This project defining the virtual cinema platform, designing the user interface, with integrating IBM Cloud Video Streaming services, enabling on-demand video playback and ensuring a immersive & impressive cinematic experience.

Problem Solving by Design Thinking

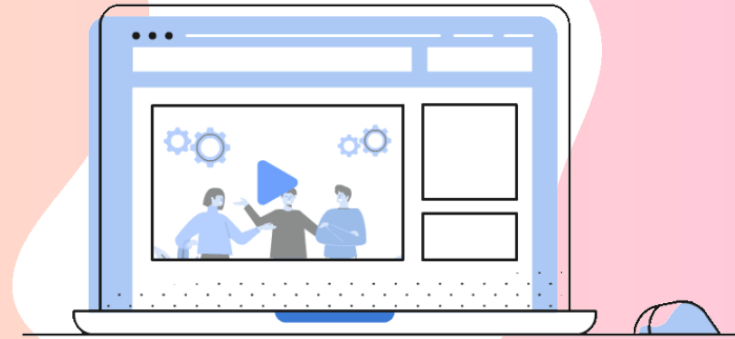## Existing Concept of Video Streaming

- **Data Storage:** Videos are stored in remote cloud servers, making them accessible from anywhere with an internet connection.
- **On-Demand Delivery:** Viewers can stream content in real-time, without downloading, providing instant access to video libraries.
- **Scalability:** Cloud infrastructure allows for flexible scaling, handling varying numbers of viewers and peak loads efficiently.
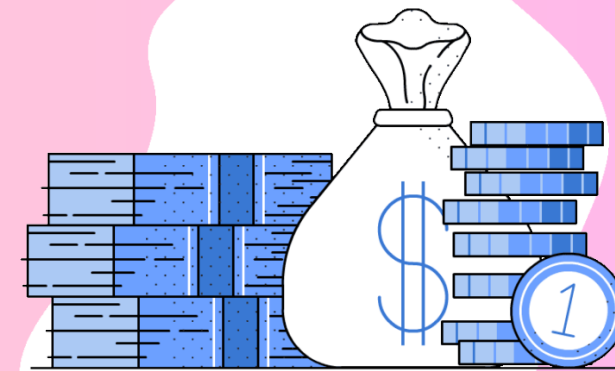
Design Thinkings

- **The virtual cinema platform, including user registration, video upload, and on-demand streaming**
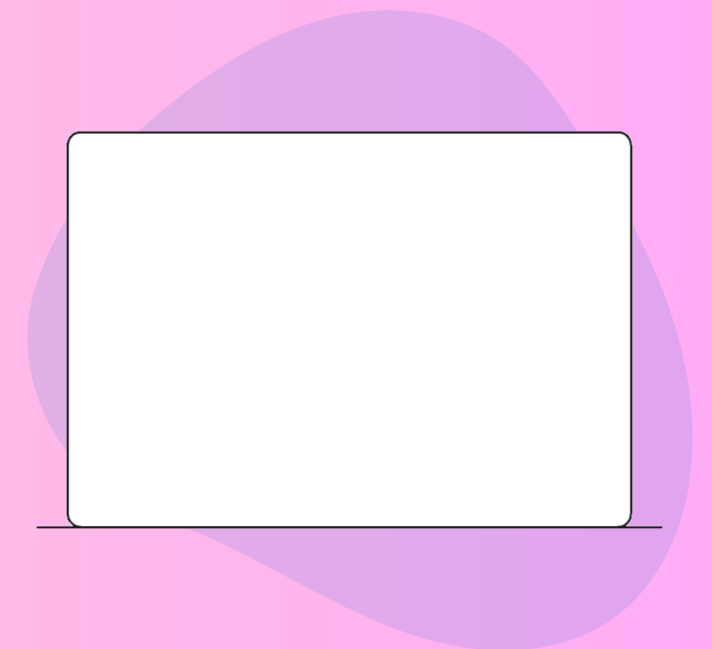
- **Users to upload movies and videos to the platform.**

- **Focus on providing a seamless and immersive movie-watching experience with high-quality video playback.**

- **IBM Cloud Video Streaming services to enable smooth video playback and streaming.**

Creation

VIDEO ON DEMAND
Username
Password

STREAMING SERVICE
Username
Password

ONLINE CINEMA
Username
Password

Creating play list

- features like user-generated playlists or real-time chat for a more engaging movie-watching experience.

Desinging

- **Start building the virtual cinema platform using IBM Cloud Video Streaming.**

Services

01 User-generated playlists

02 real-time chat

03 movie-watching experience

04 integrating video streaming

05 ondemand playback.

06 immersive cinematic experience

Requirements

01 IBM Cloud Video Streaming Service

02 Content Encoding Tools

03 Website or Platform

04 Access Control Configuration

05 Embedding Code

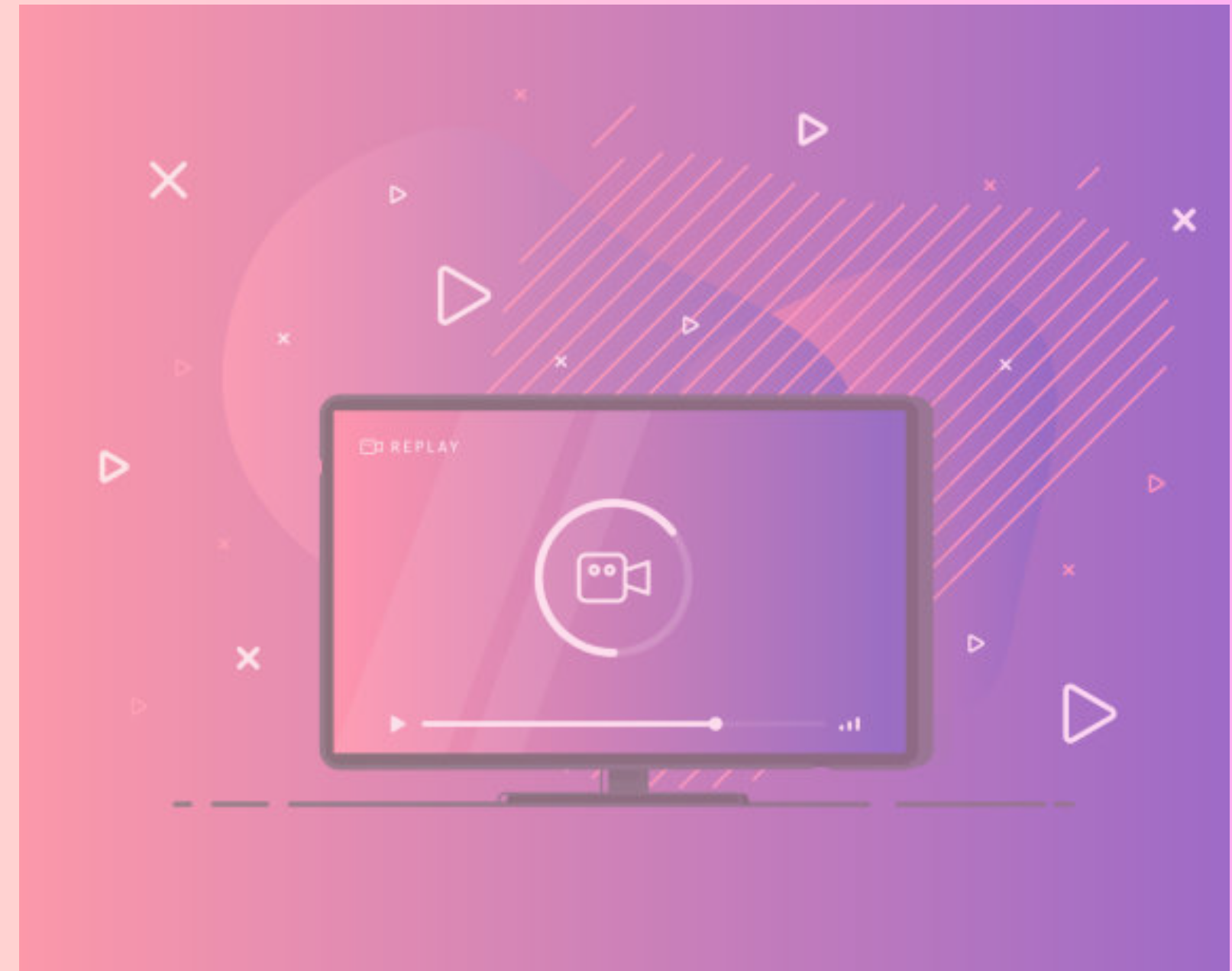**06** Marketing and Advertising Tools
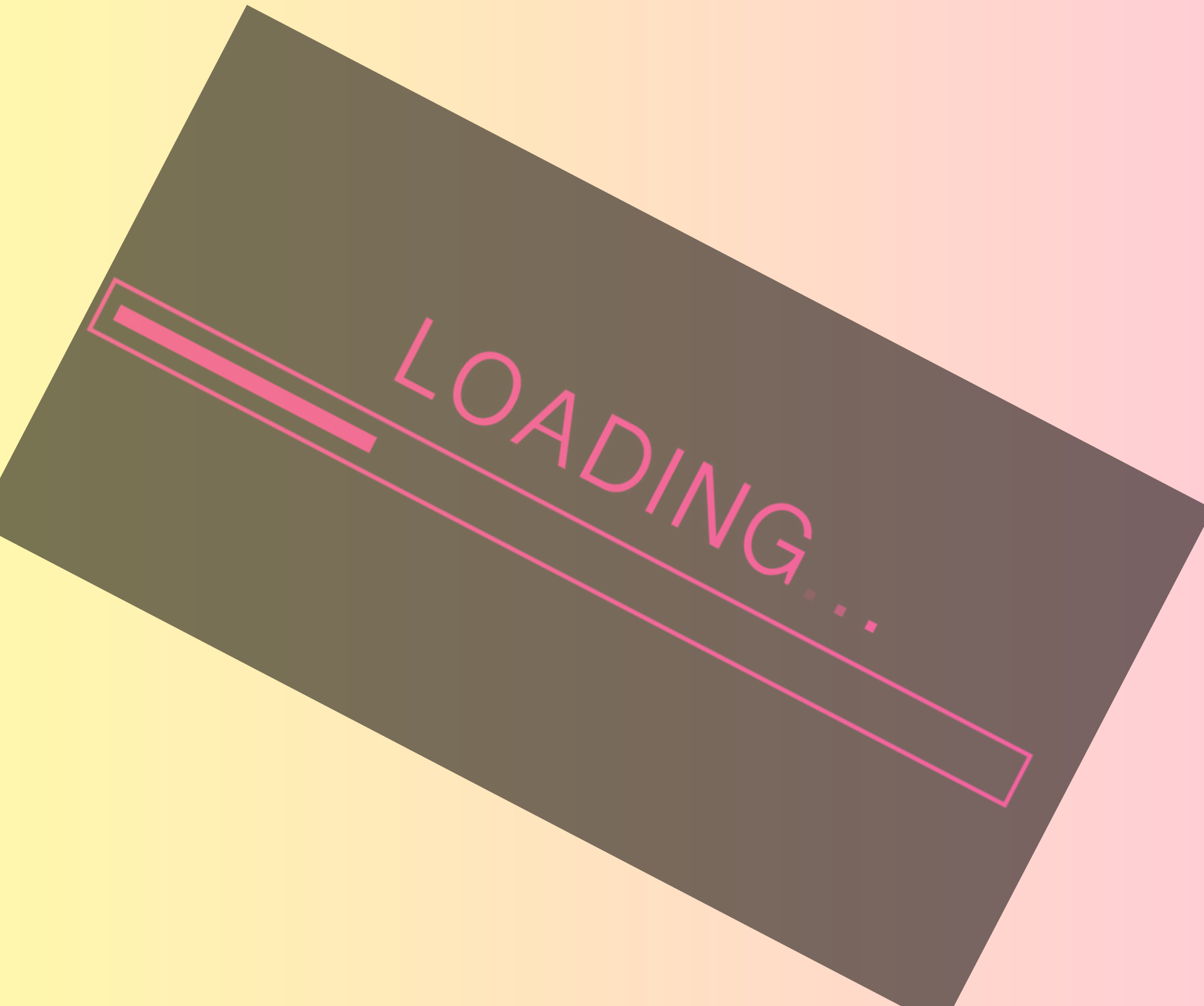
07 Analytics Tools

08 Customer Support Platform
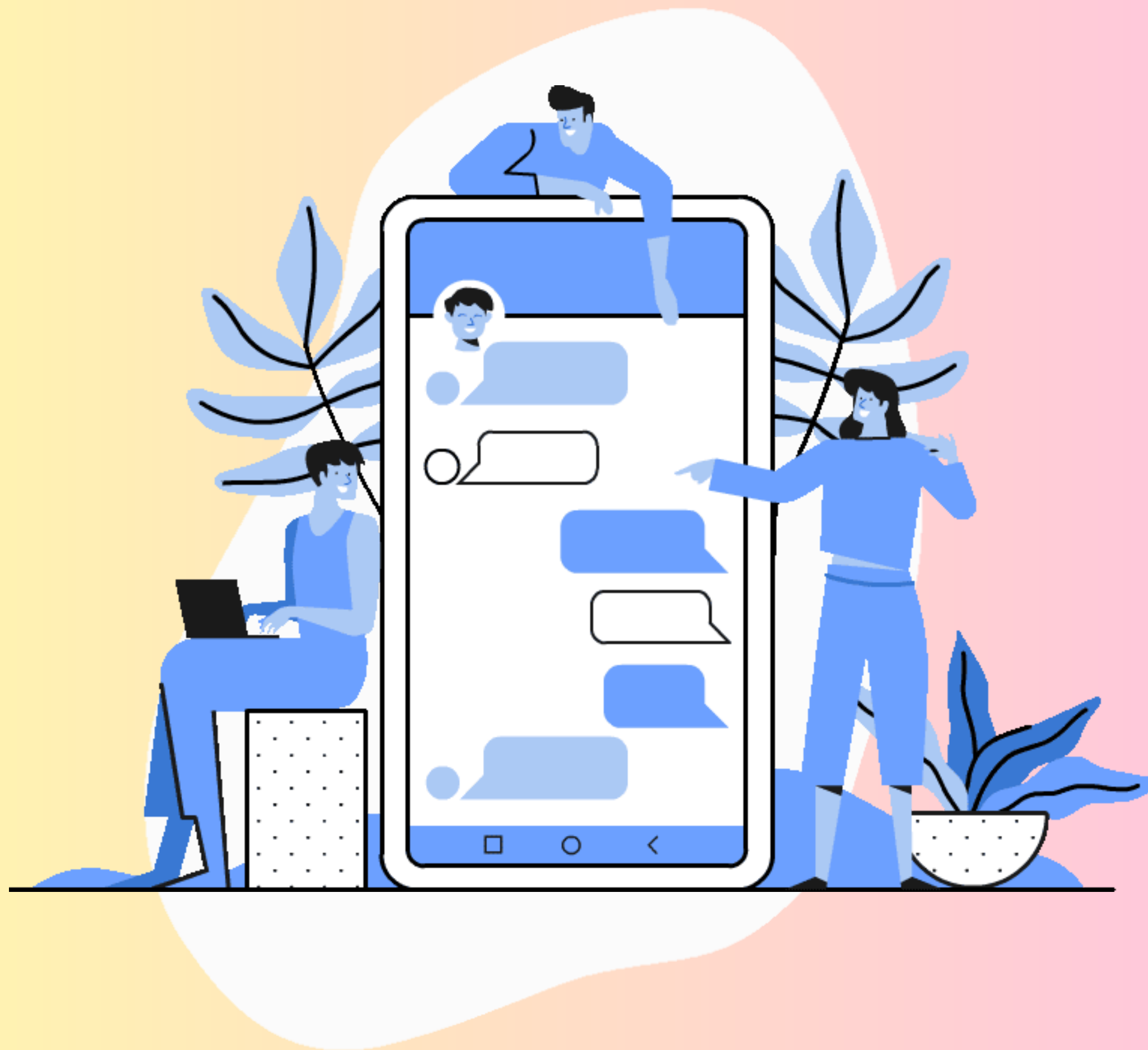
Advantages

- **Global Accessibility**
- **Cost Efficiency**
- **Scalability**
- **Interactive Features**
- **Content Security**

Disadvantages

- **Internet Dependency**
- **Content Piracy**
- **Technical Issues**
- **Variable Quality**
- **Initial Setup Costs**

Thank you...