

# TIKSHOT

TikTok Clone



# GUIDEBOOK

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# About vativeApps

vativeApps is a modern app development company delivering custom digital solutions and high-quality clone apps.

We help startups, businesses and entrepreneurs launch fast with ready-made app clones and build customized applications from scratch.

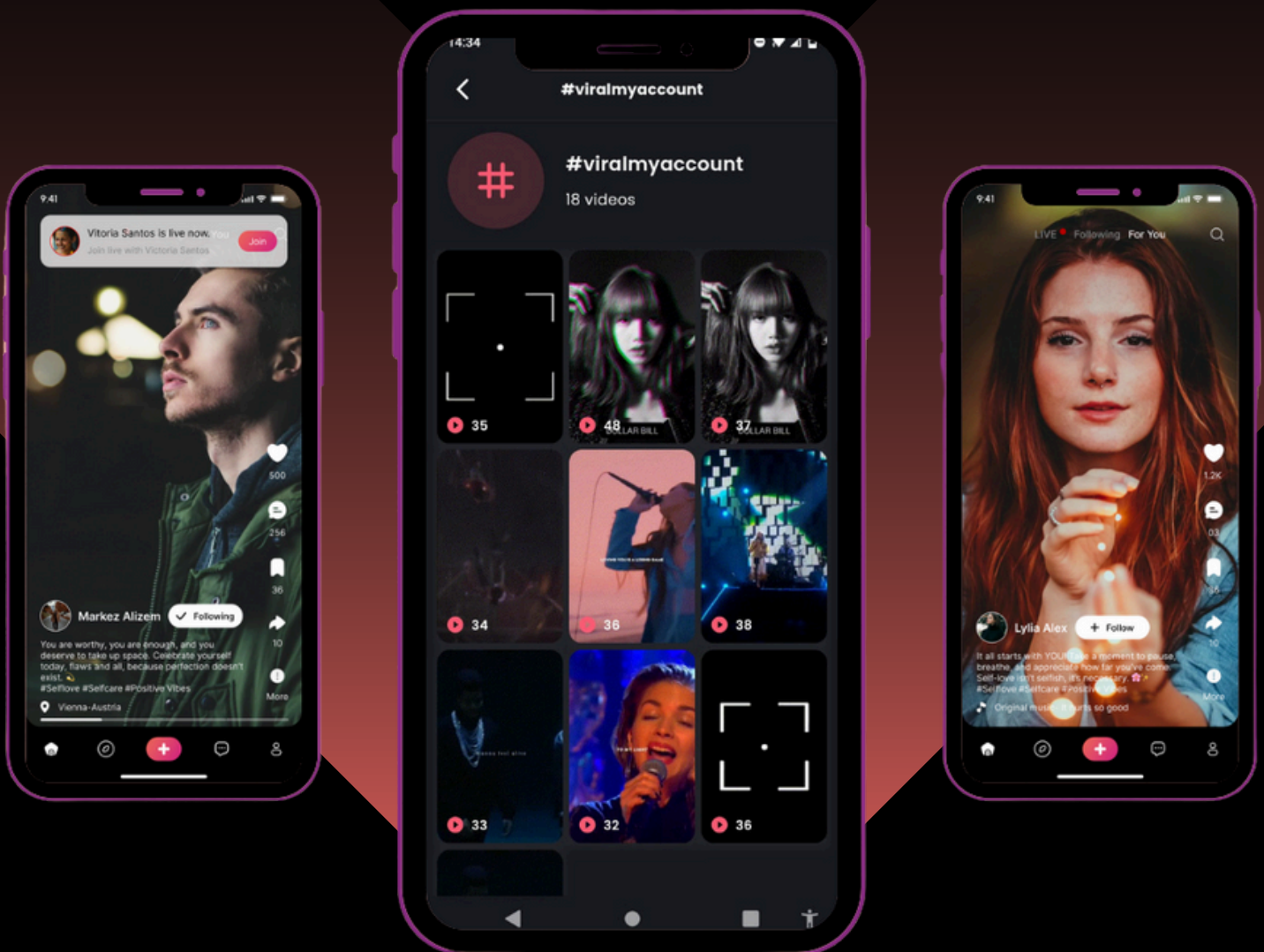
vativeApps is a team of experienced web and mobile app developers with the belief that it offers better solutions.

We are trying to shape the opportunities for the successful entrepreneurs all over the world and we have done it so far.

With the right, latest technologies and upgrades in products, we always provide proper and satisfactory services to our customers.

# What Is **TikShot** App?

Our TikTok Clone (**TikShot**) is a fully customizable short video platform designed to replicate the viral, creator-driven experience of apps like TikTok. It allows users to record, edit, share, and engage with short-form video content in an endlessly scrollable feed. This clone is built with scalability, monetization, and audience engagement in mind, ready for startups, creators, influencers, or businesses wanting to enter the creator economy.



# Who This App Clone Is For

TikTok Clone (TikShot) is ideal for

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- 
- Entrepreneurs
  - Startups
  - Investor / VC-Backed Advisor
  - Non-Technical Visionary / Business Strategist
  - Digital Marketing Consultant / Freelancer
  - Corporate Innovator / Internal Product Team
  - Content Creators / Influencers
  - Small Business Owners / Local Entrepreneurs



A woman with long dark hair, wearing a light-colored jacket, is smiling and looking at a smartphone she is holding. Above her, three transparent, floating screens display different app interfaces: a home screen with red buttons, a list of items, and a music player with a large red play button. The background is a blurred indoor setting with warm lighting.

# Key Benefits

### **Faster Launch Time**

Get your app to market quickly with a ready-made solution. No need to wait months to build from scratch. This means faster user acquisition and earlier revenue generation.

### **Full Brand Ownership**

Your logo, name, and identity are front and center, fully white-labeled. Users see your brand, not ours. You maintain full control and recognition in your market.

### **Revenue-Ready from Day One**

Start earning immediately with built-in monetization tools like in-app purchases, ads, and digital currency systems.

### **Built to Grow with You**

Our clone app structure is scalable and cloud-optimized to handle rapid user growth. Whether you have 1,000 users or a million, performance remains smooth.

### **Flexible for Future Expansion**

Easily add custom features, third-party services, or regional payment systems as your business grows. You are not locked into a rigid system.

### **Lower Development Costs**

Avoid the high costs of building an app from zero. Our solution gives you a solid, scalable foundation that saves time, money, and stress.



# STANDARD Features



TikShot offers startup founders a range of **standard features** to enhance user engagement, content creation, and community growth.

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### **Android and iOS Compatible**

TikShot is built to run smoothly on both Android and iOS platforms. This cross-platform compatibility ensures your app reaches the widest possible audience.

### **Admin Panel**

The admin panel gives you full control over user activity, content management, and reports. You can easily moderate content, respond to user flags, and analyze platform data in real-time.

### **Solo Live Streaming**

Users can go live solo to share moments, perform, or interact directly with followers. It's a powerful tool for influencers, educators, and entertainers to build engagement.

### **Wallet System with In-App Purchases**

Users can top up their wallets with real money to purchase virtual coins or diamonds. These can be used to unlock content, send virtual gifts, or access premium features.

### **Real-Time Messaging (One-To-One)**

The app supports private one-to-one messaging with real-time delivery. It allows users to chat instantly without needing a third-party platform. This boosts retention by helping users build personal connections within the app.



### Video Capturing

Users can shoot short-form videos directly within the app using a built-in recorder. The feature includes simple controls for smooth content creation. It eliminates the need for external apps, keeping everything in one place.

### Video Trimming

After capturing, users can trim their videos before posting. This lets them remove unwanted parts and keep only the best moments. It helps maintain video quality and viewer engagement.

### Compressing Videos

Videos are automatically compressed during upload to reduce size without losing clarity. This ensures faster uploads and smoother streaming, even on slow networks. It also helps save bandwidth for both creators and viewers.

### Profile Editing

Users can update their profile picture, bio, username, and other personal info at any time. A customizable profile helps users express themselves and stay current. Updated profiles also make it easier for others to connect and follow.

### Single License

The standard package includes a single-use license for one app or domain. You own the app under your brand with no ongoing licensing costs. It's a cost-effective way to build and scale your product.



### **Like & Comment**

Users can like and comment on videos they enjoy, adding a layer of social interaction. This feature helps creators receive feedback and build a fanbase. More interaction also means more time spent in the app.

### **Search User, Sound, or Hashtag**

The search function allows users to explore content by username, trending sounds, or hashtags. It makes discovering creators and viral content easy and fast.

### **Multiple Languages Support**

TikShot supports several languages, making it accessible to users around the world. Each user can select their preferred language from the settings. It creates a more inclusive experience and broadens your app's global reach.

### **Coins and Diamonds Currency and Rewarding System**

Users can earn or buy coins and diamonds, the app's virtual currencies. These can be spent on gifts, boosts, or locked content. It adds a fun, gamified layer that encourages engagement and spending.

### **Admob Support**

Easily integrate AdMob ads such as banners, interstitials, and rewarded videos. You control when and where ads appear for a balanced user experience.

### **1 Month General Support**

We offer one month of general support to help with setup, bug fixes, or basic questions. It's included to make sure your launch goes smoothly. You'll have expert help when you need it most.



### No Login Required

Users can start browsing videos without creating an account. This low-friction experience increases the chances of new users sticking around. If they enjoy the content, they're more likely to register later.

### User Liked Videos

Videos that a user likes are saved in a personal list for easy access later. This helps users keep track of content they enjoy. It also encourages more likes and rewatching of content.

### CDN Compatibility

The app supports integration with content delivery networks (CDNs) to speed up video delivery. It ensures low latency and high performance, especially in global markets. As your user base grows, CDN support keeps the app running smoothly.

### Instant Source Code Access

You'll get full source code access immediately after purchase. This means you can start customizing or deploying the app right away. It's ideal for developers and founders who want a fast launch.

## TikShot Standard Features Video






# ENTERPRISE

## Features





TikShot offers key **enterprise features** designed to scale your app, boost user engagement, and provide new revenue streams.

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### **Web Version**

Let users access TikShot directly from their browser, no mobile app needed. The web version mirrors the core app experience, allowing video browsing, uploads, and interactions on desktop. This increases accessibility, especially in markets where mobile use is limited or for users who prefer larger screens.

### **Premium Content Sharing**

Enable creators to publish exclusive content, locked behind a paywall. Users can access this content through one-time purchases or monthly subscriptions. Great for influencers, educators, or entertainers offering premium tutorials, behind-the-scenes footage, or VIP content.

### **Audio & Video Calling**

Integrated 1:1 or group voice and video calling helps users connect instantly. This boosts engagement and opens doors for paid consultations, fan meetups, or community building, right inside the app.



### **Stories, Highlights, and Communities**

Stories: Temporary posts that disappear after 24 hours.

Highlights: Permanent stories that can be pinned to profiles.

Communities: Group spaces for users with shared interests, where they can post, chat, and go live.

### **Adult Content Moderation**

Built-in moderation powered by AI and manual review tools helps identify and restrict explicit or inappropriate content. Ensure compliance with app store policies, protect your brand, and keep the environment safe and advertiser-friendly.

### **In-App Advertisements**

You control where and how ads appear, targeted to user behavior or location. Monetize with native ad formats including:

- Banner Ads
- Full-Screen Video Ads
- Rewarded Ads

### **Camera Filters and Effects**

Boosts user-generated content quality and increases time spent on the app. Give users creative freedom with:

- AR-powered face filters
- Background blur/replacement
- Stickers, masks, and seasonal effects



### **Group Messaging**

Allow users to create private or public group chats. Perfect for fans, creators, or niche communities to stay connected, share videos, or plan collaborative content. Includes media sharing, mentions, and moderation tools.

### **Multi-Live Stream and Podcast**

Creators can invite multiple users to stream together, like joint livestreams or video podcasts. Also supports audio-only mode for podcast-like broadcasts. Drives more interaction, views, and session time.

### **PK/Battles**

Let two creators go live and compete in real-time, viewers vote and send gifts to their favorite. Gamifies livestreams, builds hype, and increases gift revenue through fan participation.

### **Live eCommerce**

Turn live streams into live shopping experiences. Creators or brands can showcase products during a stream with direct links to buy. Supports product tagging, real-time Q&A, and integrated checkouts.



### **Animated Gifts**

Users can send fun, animated virtual gifts during live streams or in comments. Each gift has a set value and contributes to the creator's earnings, perfect for fan support and gamified engagement

### **Referral System**

Encourage organic growth with a built-in referral program. Users earn rewards (coins, badges, or unlocks) when they invite friends who sign up and engage with the app.

### **Mentions and @Tags**

Users can tag others in comments, descriptions, and videos. This boosts interaction, makes content more searchable, and helps build creator networks within the app.

### **Duet Feature**

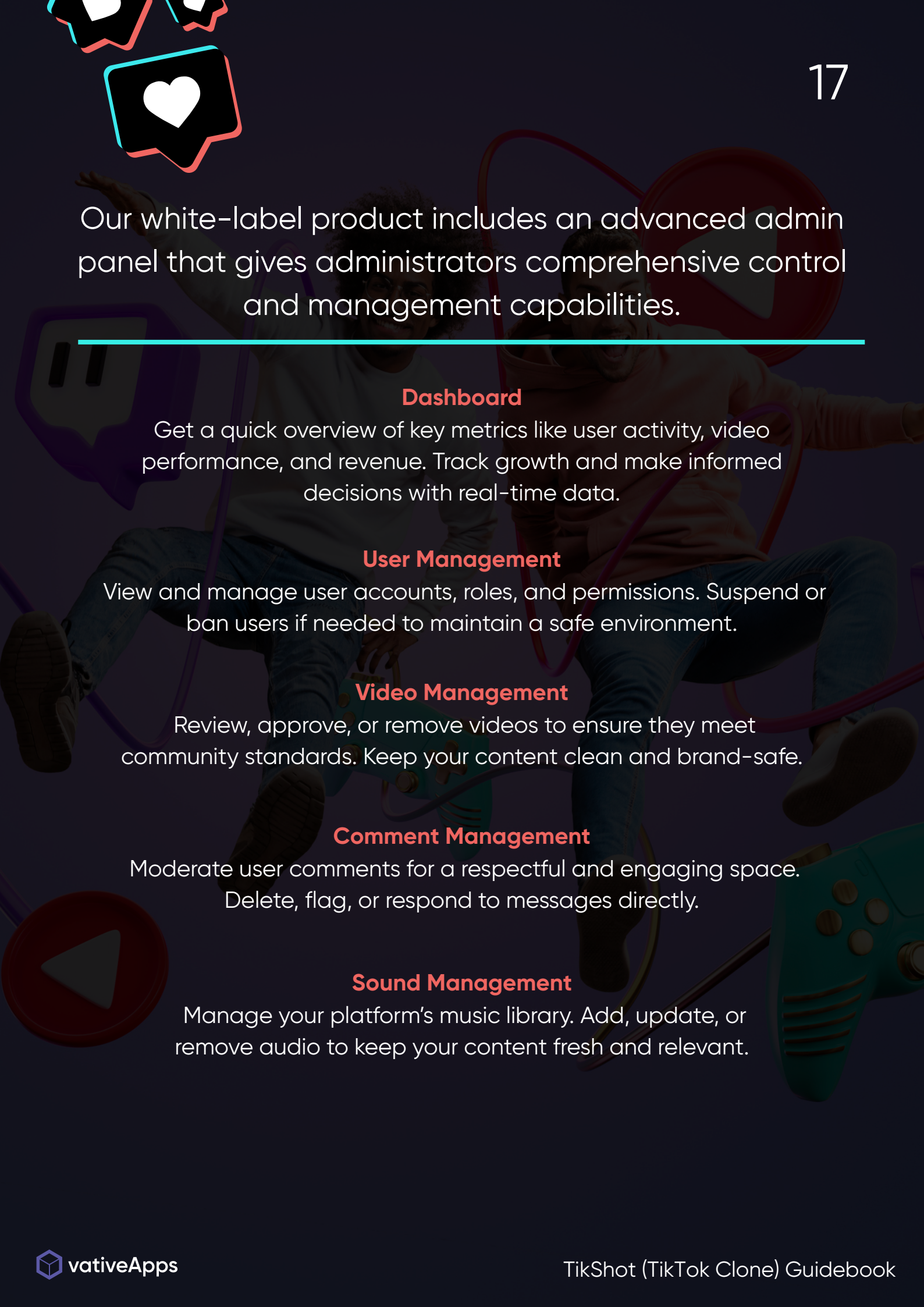
Users can create side-by-side videos with existing content. Great for reactions, collabs, remixes, or trends. Helps boost engagement and encourages viral challenges.

## **TikShot Enterprise Features Video**









Our white-label product includes an advanced admin panel that gives administrators comprehensive control and management capabilities.

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### **Dashboard**

Get a quick overview of key metrics like user activity, video performance, and revenue. Track growth and make informed decisions with real-time data.

### **User Management**

View and manage user accounts, roles, and permissions. Suspend or ban users if needed to maintain a safe environment.

### **Video Management**

Review, approve, or remove videos to ensure they meet community standards. Keep your content clean and brand-safe.

### **Comment Management**

Moderate user comments for a respectful and engaging space. Delete, flag, or respond to messages directly.

### **Sound Management**

Manage your platform's music library. Add, update, or remove audio to keep your content fresh and relevant.



### **Streaming Management**

Monitor all live streams in real time. Handle issues, moderate activity, or end streams when needed.

### **Packages Configuration**

Set pricing and benefits for in-app purchases like subscriptions or coin bundles. Update offerings without needing a new app build.

### **Gifts Management**

Customize gift pricing, track transactions, and manage the reward system. Make gifting fun, fair, and profitable.

### **Levels & XP Management**

Set rules for user levels, XP, and rewards. Boost engagement with gamified progression and recognition.

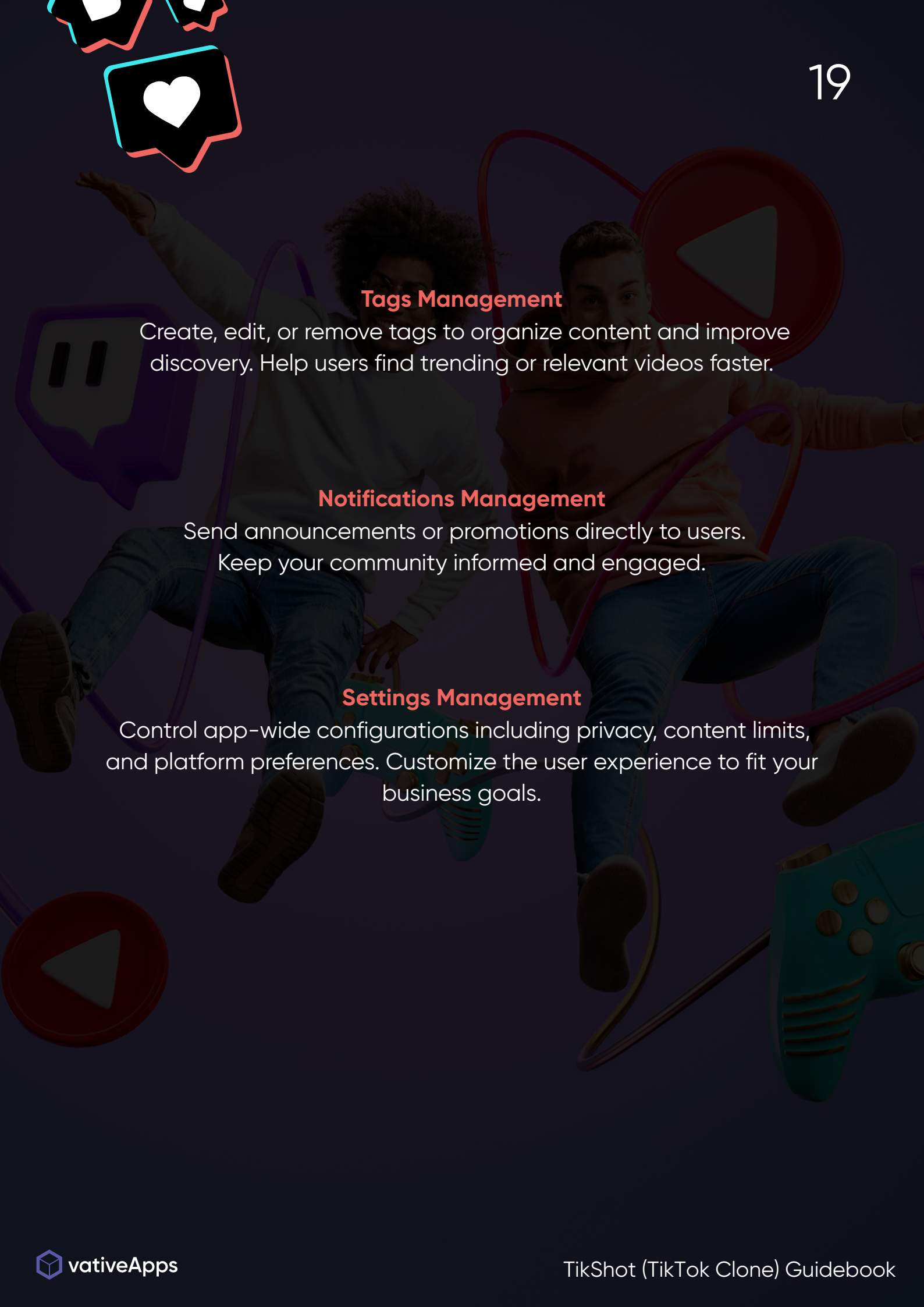
### **Featured Users**

Highlight top creators by featuring them on the platform. Increase visibility and reward great content.

### **Withdrawals Management**

Review and approve withdrawal requests from users earning through diamonds. Track and manage payout history easily.



The background of the page features a dark, moody image of two people, a woman and a man, jumping in the air with hula hoops. The woman is on the left, wearing a light-colored long-sleeved shirt and jeans, with her arms outstretched. The man is on the right, wearing a light-colored long-sleeved shirt and jeans, also with his arms outstretched. Several hula hoops are visible around them. In the top left corner, there are three floating social media icons: a heart, a speech bubble with a heart, and a speech bubble with three horizontal lines. In the bottom right corner, there is a floating image of a teal video game controller. The overall aesthetic is playful and energetic.

### Tags Management

Create, edit, or remove tags to organize content and improve discovery. Help users find trending or relevant videos faster.

### Notifications Management

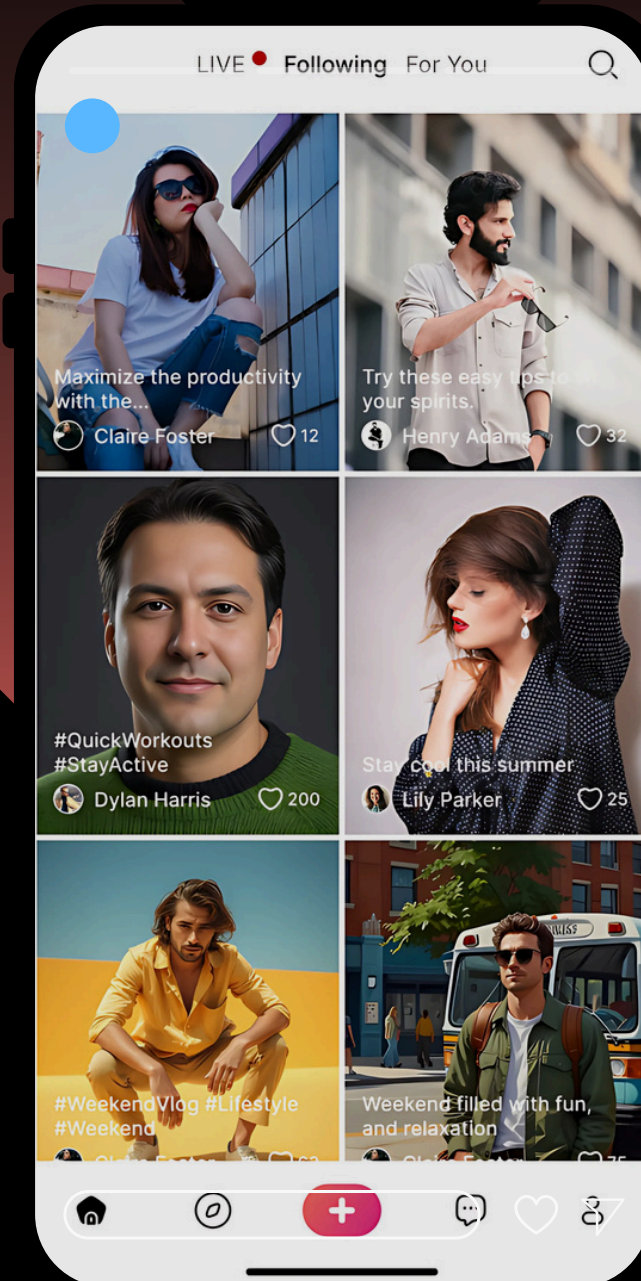
Send announcements or promotions directly to users.  
Keep your community informed and engaged.

### Settings Management

Control app-wide configurations including privacy, content limits, and platform preferences. Customize the user experience to fit your business goals.

# Visual Tour of TikShot

Watch the full demo video to understand how TikShot looks, feels, and functions. Perfect for getting a real sense of the user journey and core features.



Watch a Demo





# Customization Options

Make TikShot truly yours with customization options. We offer full flexibility to help you launch a platform that looks and feels like your brand, down to the smallest details.

## ➤ Branding

Change the app name, logo, splash screen, and icon to match your identity.

## ➤ Color Scheme

Customize the entire app color palette to reflect your brand's look and feel.

## ➤ Languages

Add or remove languages to localize your app for different regions or audiences.

## ➤ Payment Gateway

Integrate your preferred local or international payment gateways for in-app purchases and wallet top-ups.

## ➤ Ads & Monetization

Choose where and how ads appear, or plug in your own ad network.

## ➤ Features

We can enable, disable, or tweak specific features based on your business model.

## ➤ UI Elements

Adjust icons, button styles, layout spacing, and other interface elements for a unique visual touch.

# Customization Options

## Optional Add-Ons

You can also request custom features like AI moderation, location-specific feeds, premium subscription models, or influencer tools, just let us know your vision.

## Showcasing Custom Versions

We have helped clients across different industries launch their own branded versions of TikShot. If you'd like to see real examples of live apps with custom branding and features, we can provide demos or case studies upon request.





# TECH Stack



# NodeJs

- We used Node.js as the backend runtime for TikShot because of its event-driven, non-blocking I/O structure, which is ideal for building real-time applications like video streaming, messaging, and calling.
- Node.js allows the server to handle thousands of simultaneous connections with high performance and low resource consumption, making it perfect for a scalable social media app.
- It is also well-suited for WebSocket-based communication, which we use for features like real-time chat and live session signaling.





# Flutter

- We chose Flutter as the primary framework for building the TikShot app because it allows us to develop a single, consistent codebase for Android, iOS, and web platforms, significantly reducing development time and effort.
- Flutter is powerful enough to handle a wide range of features, from building smooth UI for video reels and chat interfaces, to integrating with native code for camera access, video recording, and FFmpeg processing.
- It supports plugins and platform channels that make it easy to communicate with native Java and Swift code for performance-critical tasks like video merging.
- Additionally, Flutter smoothly integrates with services like Firebase for authentication and notifications, and SDKs like Agora for real-time live streaming and calling.
- Flutter serves as a strong foundation to bring together all of TikShot's multimedia, messaging, and real-time features in a unified and high-performance app experience.



## Express JS

- We used Express.js to build and manage the API layer of the TikShot app.
- Express is a lightweight and flexible web framework that simplifies the creation of RESTful APIs for core features like user authentication, video uploads, profile management, chat routing, and content feeds.
- It provides a powerful middleware system that helps structure the backend, handle errors, manage authentication (like Firebase token validation), and protect routes.
- Express also makes it easy to integrate third-party services such as Firebase, Agora, and cloud storage providers.
- Its minimal setup and huge ecosystem of packages speed up development while keeping the backend codebase clean and maintainable.





## EJS

- We chose EJS for the TikShot admin panel because it allows me to render dynamic HTML pages on the server using familiar JavaScript syntax.
- EJS integrates smoothly with Express.js, making it easy to build views that are directly connected to backend logic.
- With EJS, I can easily pass data from the server (such as user details, content reports, or analytics) into HTML templates, which makes the admin interface interactive, fast, and efficient to develop.
- Its simplicity and readability help keep the codebase clean, especially when managing dynamic content without the need for a heavy frontend framework.



# FFMPEG

- We also use FFmpeg, an industry-standard multimedia framework, to perform advanced video processing tasks such as merging tracks, applying filters, compressing videos, trimming clips, and converting formats.
- FFmpeg is highly optimized and supports a wide range of codecs and media formats, making it ideal for handling diverse user-generated content.
- FFmpeg can be integrated via command-line execution on both Android and iOS, giving us a consistent and powerful tool across platforms.
- By combining FFmpeg with native code (Java for Android and Swift for iOS), we achieve greater flexibility and precision in video editing workflows inside the TikShot app.





# Swift

- For iOS, we use Swift to implement video processing features natively using Apple's AVFoundation framework.
- Swift allows us to access high-performance, low-level APIs to merge video and audio tracks, apply effects, and export edited videos efficiently.
- Compared to cross-platform solutions, native Swift code ensures better performance, smoother execution, and tighter integration with iOS hardware and system-level capabilities.
- Swift also offers a modern and safe syntax, which makes the implementation of complex media workflows more maintainable and less error-prone on iOS.



# Java

- For Android, we use Java to handle native video processing tasks such as merging audio and video tracks after camera recording.
- Java provides direct access to Android's media APIs and supports powerful third-party libraries like mp4parser and mp4compose, which are commonly written in Java.
- These tools allow us to implement complex media operations such as track merging, trimming, encoding, and filter application with high performance and precision.
- Java's maturity, wide adoption, and strong tooling support make it a reliable choice for handling low-level multimedia operations that require stability and optimization on Android devices.





# Firestore

- For authentication and push notifications in the TikShot app, we use Firebase because it offers a fast, secure, and scalable backend-as-a-service solution.
- Firebase Authentication supports multiple sign-in methods like email/password, phone number, and social logins (Google, Apple, etc.), making user onboarding simple and flexible.
- For push notifications, we use Firebase Cloud Messaging (FCM), which allows us to send targeted and reliable notifications to users across Android, iOS, and web platforms.
- FCM supports features like topic-based messaging, user segmentation, and background data handling, which are essential for keeping users engaged with updates, messages, and live stream alerts.
- Firebase's real-time performance and strong integration with our tech stack make it an ideal choice for both authentication and notifications.



- For live streaming in the TikShot app, we chose Agora because it provides ultra-low latency video and audio transmission, which is essential for real-time user interaction.
- Agora's global network of data centers ensures high-quality and stable streams across different regions, making it ideal for a social platform with a broad user base.
- It offers built-in scalability, allowing us to support everything from 1-on-1 sessions to large live broadcasts without managing additional infrastructure.
- Agora's Flutter SDK integrates smoothly with our app, enabling cross-platform support on Android, iOS, and web.
- Additionally, it comes with advanced features like host switching, virtual backgrounds, audience engagement tools, and reliable uptime, making it a complete solution for our live streaming needs.





## Rabbit MQ

- We used RabbitMQ in the TikShot app to handle asynchronous communication and background processing between different services within the system.
- As a message broker, RabbitMQ helps decouple major parts of the backend, such as notifications, video processing tasks, chat delivery, and in-app purchase handling, so they can operate independently and reliably without blocking the main application flow.
- For example, when a user uploads a video, the upload request is processed immediately while the actual merging, compression, or notification dispatch happens in the background through message queues.
- This improves the app's performance, scalability, and fault tolerance, especially under high load.
- RabbitMQ ensures that critical tasks are reliably queued, retried, and executed, which is essential for delivering a smooth and responsive user experience in a real-time social media app like TikShot.



## CSS

- We used CSS to control the layout, design, and visual presentation of the admin panel to ensure it is clean, responsive, and consistent.
- CSS provides full flexibility to customize the appearance of elements, manage spacing, fonts, colors, and responsiveness across devices.
- Plain CSS allows for fine-tuning and custom styling wherever needed, giving us more control over the final look and feel of the interface.





## Bootstrap

- We chose Bootstrap to speed up the development of the admin panel by using its pre-built UI components and responsive grid system.
- Bootstrap provides a professional and mobile-friendly design out of the box, which reduces the time needed to build a polished interface.
- It also ensures consistent styling across different browsers and screen sizes.
- Features like modals, tables, forms, and navigation components allowed to quickly implement admin panel features such as user management, content moderation, and analytics dashboards without writing complex UI code from scratch.



## Javascript

- We used JavaScript to build the backend of the TikShot app because it allows us to develop a fast, scalable, and real-time capable application using a single, well-established language.
- JavaScript has a massive ecosystem of libraries and tools, enabling rapid development and easy integration with services like Firebase, Agora, and media processing libraries.
- Moreover, using JavaScript across the backend simplifies communication with the frontend, as it shares similar structures and JSON-based APIs.
- This consistency across the stack reduces complexity and speeds up development, making JavaScript the most practical and efficient choice for building a high-performance app like TikShot.
- Additionally, using JavaScript on the backend allows for better alignment with frontend technologies and makes the development process more efficient for full-stack developers.





# Pricing & Payment

# Base Package

Starting at **\$999**

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Includes Standard Features and Full Source Code

## Custom Features

Additional charges may apply for design adjustments, new modules, or advanced integrations.

## Enterprise Package

In-app advertisements, referral systems, premium content sharing, and other enterprise features are available upon request.

## Flexible Pricing

We are open to long-term collaboration deals and bulk discounts. Let's talk if you have custom needs or multi-app plans.

## Secure Payments

All transactions are processed safely via Stripe & Bank Transfer for a smooth and secure experience.

# FAQs





# Customizations and Features

## 1 Can I add custom filters or specific features?

Yes, you can add custom filters and features customized to your brand or audience needs.

## 2 What are the features of the app?

Our apps include features like:

- Android and iOS Compatible
- Admin Panel
- Solo Live Streaming
- Wallet System with In-app Purchases
- Real-time Messaging (One-To-One)

# Customizations and Features

## 3 Can I add a web version or website?

Absolutely! We offer web versions as add-ons. Let us know if you'd like to include this.

## 4 What about adding additional functionality like live streaming or other integrations?

We can integrate advanced features like live streaming, custom filters, or even additional functionalities based on your needs.

# Delivery and Support

## 1 How long will it take to deliver?

The standard delivery time for the Tikshot app is 4–6 business days. For any additional features or customizations, the timeline will depend on your specific requirements. We will provide an estimated delivery time based on the complexity of the requested changes.

## 2 Will you help with app store approval?

Yes, we ensure our apps comply with guidelines and offer publishing assistance if needed.

## 3 Do you provide support after purchase?

Yes, we offer technical support and guidance throughout the process.



# Platform Support & Integration

## 1 Does Tikshot support both iOS and Android?

Yes, TikShot supports both iOS and Android platforms for a smooth cross-device experience.

## 2 Is Tikshot available in multiple languages and regions?

Yes, Tikshot supports multiple languages and regions.

## 3 Do we need additional SDKs or third-party services?

Yes, third-party SDKs are required for certain functionalities. Third Party SDKs and Services are Agora (for Livestreaming and calling), DeepAR (for Filters addon from enterprise), Firebase (for authentication and push notification service).

# User Experience & Content Management

## 1 How is the algorithm for viewing new uploads in Tikshot?

The default algorithm displays the most recent videos first. This ensures that new content is prioritized in users' feeds. We can customize this based on your needs, including hashtag-based sorting or engagement-driven algorithms.

# Monetization & Payment

## 1 What payment options are supported within Tikshot?

Tikshot supports in-app purchases, including Google Play and Apple Store in-app purchases. Additionally, we can integrate more payment options based on your specific requirements. If you have any custom payment requirements, we can accommodate those as well.

## 2 Can I monetize with TikShot?

Yes, TikShot includes multiple monetization options like virtual gifting, ads, subscriptions, and premium content.



# Cost, Support & Maintenance

## 1 What is the cost of TikShot?

The cost of TikShot depends on the version and customizations. The basic version starts at \$999, and any additional custom features, support, and publication to app stores will incur additional costs.

## 2 What support and maintenance are offered?

We provide one month of free general support after every purchase to assist with any issues or questions. If additional support or maintenance is needed beyond that, we can discuss the specifics and determine the best approach based on your requirements.

# Contact Us

We are here to support you at every step, from initial questions to launching your app. Whether you need a custom feature, technical clarification, or just want to talk possibilities, **feel free to reach out.**

**+1 (740) 971 2318**

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**www.vativeapps.com**