# vative⬡Apps

TikShot - Short Video Sharing Script



TikShot Clone is an innovative white-label product that offers a comprehensive short video sharing script, inspired by the success of the popular social media platform, TikTok. This white-paper provides an extensive overview of the TikShot Clone, highlighting its key features, including a robust notifications system, advanced admin panel, community functionality, support for multiple themes (light/dark), modular design, and revenue system. Additionally, it outlines the exclusive features available in the Enterprise Plus and Elite packages.

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# Technologies and Frameworks used:

This TikShot Clone utilizes a range of technologies to power its robust functionality and deliver an exceptional user experience. The key technologies used in the development of the platform include:

**NodeJS:**
NodeJS is a JavaScript runtime environment that enables server-side execution of JavaScript code. It provides a scalable and efficient platform for handling server-side logic, managing data, and handling real-time interactions in the TikShot Clone.

**Redis:**
Redis is an open-source, in-memory data structure store that is used as a caching layer in the TikShot Clone. It helps improve performance by storing frequently accessed data in memory, reducing the need for frequent database queries.

**Flutter:**
Flutter is an open-source UI toolkit developed by Google. It is used for building cross-platform mobile applications with a single codebase. The TikShot Clone utilizes Flutter for its mobile app development, enabling consistent and efficient deployment across both iOS and Android platforms.

**ExpressJS:**
ExpressJS is a fast and minimalist web application framework for NodeJS. It simplifies the development of web applications by providing a robust set of features and middleware. ExpressJS is used in the TikShot Clone for handling server-side routing, request handling, and other web application functionalities.

**EJS:**
EJS (Embedded JavaScript) is a templating engine that enables the dynamic generation of HTML markup. It allows for the seamless integration of server-side logic and data into the presentation layer of the TikShot Clone.

**FFMPEG:**

FFMPEG is a powerful open-source multimedia framework that is used for handling video and audio processing tasks in the TikShot Clone. It facilitates tasks such as video transcoding, resizing, and manipulation, enabling efficient video processing and streaming within the platform.

**Swift and Kotlin:**

Swift is used for iOS app development, while Kotlin and Java is utilized for Android app development in the TikShot Clone. These programming languages ensure a seamless and optimized user experience on both Apple and Android devices.

**RabbitMQ:**

RabbitMQ, an open-source message broker, is utilized in the TikShot Clone for efficient delivery of push notifications. It establishes a reliable and asynchronous communication channel, ensuring the smooth and timely delivery of notifications to users.

**Firebase:**

Firebase is utilized in the TikShot Clone for specific functionalities, including push notifications, dynamic links, and phone authentication. It provides a comprehensive mobile and web application development platform with services tailored to these specific needs.

**TensorFlow:**

TensorFlow is employed in the TikShot Clone for adult content detection. As an open-source machine learning framework, TensorFlow enables the development and deployment of intelligent features such as identifying and moderating adult content within the platform.

**2.1 Notifications System**

The TikShot Clone incorporates a powerful notifications system that ensures users stay updated with various activities within the application. Real-time notifications are delivered for interactions such as likes, comments, follows, mentions, and other relevant updates. This feature enhances user engagement and fosters a sense of connection with the content and community.

**2.2 Advanced Admin Panel**

Our white-label product includes an advanced admin panel that empowers administrators with comprehensive control and management capabilities. The admin panel facilitates user management, content moderation, analytics and reporting, advertising management, and various other administrative tasks. Administrators can efficiently monitor and maintain the platform's integrity, ensuring a safe and enjoyable user experience.

**2.3 Community Functionality (available in Enterprise Plus+ package only)**

The Enterprise Plus+ package introduces community functionality, enabling users to form specialized interest-based groups within the TikShot Clone platform. These communities encourage engagement and interaction among like-minded individuals, allowing them to share content, participate in discussions, and discover new connections. Communities add an additional layer of personalization and engagement to the platform, fostering a vibrant user community.

**2.4 Multiple Themes (Light/Dark)**

To cater to diverse user preferences, the TikShot Clone offers a choice of multiple themes, including both light and dark themes. Users can effortlessly switch between themes based on their visual preferences, enhancing the overall user experience and personalization of the application.

**2.5 Modular Design**

The TikShot Clone adopts a modular design approach, providing flexibility and scalability. This design enables easy customization and extension of the platform, allowing businesses to incorporate additional features or seamlessly integrate third-party services. The modular design facilitates rapid development and

customization, ensuring the platform can adapt to evolving user needs and market trends.

## 2.6 Revenue System

### 2.6.1 In-App Advertisement (available in Enterprise Plus+ package only)

The Enterprise Plus+ package introduces an in-app advertisement feature, enabling businesses to monetize the platform through targeted advertising. Advertisements are strategically placed between videos during scrolling, maximizing visibility and potential revenue streams. This feature allows businesses to generate income while providing users with relevant and engaging advertisements.

### 2.6.2 Gift System

The TikShot Clone incorporates a gift system that allows users to send virtual gifts to content creators during interactions such as posts, videos, and live streams. These gifts serve as tokens of appreciation and enhance user engagement within the platform. Users can purchase gifts using coins from their wallet. The receiver of the gift receives diamonds, which are converted from the coins received. Diamonds can be withdrawn by the receiver, and the platform's administrator can set a price for diamonds and convert them into real-life money, sending the earned amount to the user. This gift system serves as the primary monetization approach within the TikShot Clone platform.

The gift system and withdrawal system in the TikShot Clone are designed to provide users with a seamless and rewarding experience while ensuring a secure and manageable process. Here is an overview of how these systems work:

**Structure:**

Purchase of Coins: Users can purchase coins through in-app purchases. The prices of coins are determined and set by the admin from the admin panel. Users can select the desired coin package and complete the purchase transaction.

Rewarding Diamonds: When a user sends a gift to another user, the recipient is rewarded with diamonds. The number of diamonds rewarded for each gift is determined by the admin from the admin panel. For example, if a user sends a gift worth X coins, the recipient will receive X diamonds as a reward.

Conversion and Balance Management: The coins and diamonds are managed in the user's wallet within the app. The purchased coins are deducted from the user's wallet when they send a gift, and the corresponding diamonds are added to the recipient's balance. The user's wallet balance is updated accordingly.

**Withdrawal System:**

Eligibility for Withdrawal: The withdrawal system allows users to convert their accumulated diamonds into real-world currency. An admin sets a threshold (X amount of diamonds) in the admin panel, determining when a user becomes eligible for withdrawal.

Requesting Withdrawal: Once a user reaches the specified threshold, they can request a withdrawal. The user provides their preferred payment details, such as PayPal or bank account information, through the app.

Admin Approval and Payment: The withdrawal requests are received on the admin panel, where an admin can review and approve or reject them. The admin manually verifies the request and initiates the payment to the user's provided payment details. The admin can update the status of the withdrawal request in the admin panel, indicating whether it has been processed or rejected.

Manual Payment and Status Update: Once the admin approves a withdrawal request, they make the payment to the user's PayPal or bank account manually. After the payment is made, the admin updates the withdrawal status in the admin panel, reflecting the completion of the transaction.

The admin panel plays a crucial role in managing the gift and withdrawal systems. From the admin panel, the admin can set the prices of coins, determine the number

of diamonds rewarded for each gift, and set the withdrawal threshold. Additionally, the admin can review and process withdrawal requests, update the withdrawal status, and manage the overall structure and settings of the app.

The modular structure of the app allows for flexibility and easy customization by developers, enabling them to adapt and modify the gift and withdrawal systems based on specific business requirements and preferences.

### 2.7 Live Streaming

### 2.7.1 Single Live Stream
Users can engage in single live streaming, sharing real-time video content with their followers. Single live streaming enables individuals and content creators to directly connect with their audience, encouraging interaction and building a dedicated fan base.

### 2.7.2 Multi-Live Stream
The TikShot Clone provides a multi-live stream feature that allows multiple users to participate in a live streaming session simultaneously. This interactive and collaborative functionality opens up opportunities for group discussions, interviews, performances, and more, fostering dynamic and engaging content creation.

### 2.7.3 PK Battles Feature (available in Elite package only)
The Enterprise Plus+ package introduces the PK Battles feature, inspired by platforms like Bigo Live and Tango Live. This feature allows users to engage in competitive battles or challenges during live streams. Users can compete against each other, showcasing their talents or skills, while viewers can participate and vote for their favorites by sending them as many gifts as possible to make them have the highest score. PK Battles enhance the excitement and interactivity of live streaming, boosting user engagement and fostering a sense of community.

### 2.8 Animated Stickers and SVGAs
The TikShot Clone offers a wide variety of animated stickers and SVGAs (Scalable Vector Graphics Animation) that users can utilize to enhance their videos, posts, and

live streams. These animated elements add visual appeal and creativity to the content, allowing users to express themselves in unique and engaging ways.

### 2.9 Gift System and Earning Model
The TikShot Clone incorporates a gift system similar to platforms like Bigo Live and Tango Live. Users can send virtual gifts to content creators as a form of appreciation and support. The received gifts can be converted into real cash by the content creators. This earning model provides content creators with a direct monetization avenue, allowing them to earn income based on the gifts they receive from their followers and fans.

In conclusion, the TikShot Clone presents a comprehensive and feature-rich white-label solution for businesses seeking to launch their own short video sharing platform. With its advanced features, customizable options, and revenue generation capabilities, the TikShot Clone provides a solid foundation for building a thriving social media community. The Enterprise Plus+ package further enhances the platform with exclusive features, empowering businesses to offer unique experiences and maximize their potential for success.

### 3.0 Live eCommerce
Live eCommerce is an exclusive feature available in the Elite package of the TikShot Clone. It provides businesses with the ability to offer live shopping experiences to their audience, seamlessly integrating eCommerce functionalities within the platform's live streaming sessions.

### On-Order Request:
To maintain control over the Live eCommerce feature and ensure a curated shopping experience, the Elite package incorporates an on-order request system. Content creators can showcase products during their live streams, and viewers can express their interest in purchasing those products by submitting an on-order request.

### Product Display and Demonstration:

During the live streaming session, content creators can display and demonstrate various products, highlighting their features and benefits. They can provide detailed information, answer questions, and showcase the products from different angles or perspectives to engage and inform potential buyers.

**Real-time Interaction and Q&A:**
Viewers have the opportunity to interact with content creators in real-time, asking questions, seeking clarification, and gaining further insights about the products. This interactive Q&A session helps build trust and confidence in potential buyers, leading to increased conversion rates.

**Exclusive Offers and Deals:**
Content creators can offer exclusive deals, discounts, or limited-time promotions during their live streams. These special offers incentivize viewers to make immediate purchases, creating a sense of urgency and fostering a lively and engaging shopping atmosphere.

**On-Order Checkout:**
When a viewer is interested in purchasing a product showcased during the live stream, they can initiate an on-order checkout process. This process allows them to add the desired product to their cart and proceed to checkout within the TikShot Clone platform.

**Integrated Payment System:**
The TikShot Clone incorporates a secure and integrated payment system that supports various payment methods. Users can make payments using credit/debit cards, mobile wallets, or other popular payment gateways, ensuring a convenient and seamless transaction experience.

**Order Management and Fulfillment:**
Once an on-order request is placed and the payment is successfully processed, content creators can manage orders within the platform's admin panel. They can track the status of orders, manage shipping details, and ensure timely fulfillment, providing users with a reliable and efficient shopping experience.

The Live eCommerce feature available in the Elite package of the TikShot Clone empowers businesses to offer immersive and interactive shopping experiences to their audience. By integrating eCommerce functionalities within the live streaming sessions, businesses can drive engagement, increase sales, and create a vibrant online shopping community within the platform.

### 3.2 Real-time Messaging:
The TikShot Clone provides real-time messaging capabilities, enabling users to engage in instant messaging with each other. Users can send messages, stickers, emojis, and voice messages, fostering communication and interaction within the platform.

### 3.3 Levels, XP, Badges, and Ranking:
The TikShot Clone incorporates gamification elements to encourage user engagement and recognition. Users can earn XP (Experience Points) and progress through different levels based on their activity and engagement within the platform. The system also awards badges for specific achievements or milestones. A ranking system showcases users with the highest XP or other criteria, fostering healthy competition and encouraging continued engagement.

### 3.4 Voice and Video Calling:
The TikShot Clone includes voice and video calling functionality, allowing users to connect with each other in real-time. Users can initiate one-on-one or group calls, facilitating interactive and personal communication within the platform.

### 3.5 End-to-End Encryption:
To prioritize user privacy and security, the TikShot Clone implements end-to-end encryption for all user communications. This ensures that messages are encrypted and can only be accessed by the intended recipients, providing a secure environment for user interactions.

### 3.6 Easier Integration with Custom Add-ons:
The TikShot Clone provides an easy and seamless integration process for custom add-ons. This feature allows businesses to extend the functionality of the platform by

integrating their own custom features, modules, or third-party services. The flexible architecture of the TikShot Clone simplifies the integration process, enabling businesses to tailor the platform to their specific requirements and enhance the user experience.

### 3.7 Adult Content Detection Feature:

The TikShot Clone incorporates an advanced and in-house adult content detection feature to ensure a safe and secure environment for users. This feature is designed to identify and moderate adult content without relying on any third-party services, providing complete control and privacy.

### Customizable Thresholds:

The TikShot Clone provides customizable thresholds for adult content detection. Admins can define sensitivity levels and set specific criteria to determine what content should be flagged as adult. This allows for fine-tuning the detection system according to the platform's guidelines and community standards.

### Content Moderation:

When the algorithm detects content that exceeds the defined thresholds for adult content, it automatically flags the content for further review and moderation. This automated process ensures swift identification and handling of potentially inappropriate material within the platform.

### User Reporting and Feedback:

To enhance the detection system's accuracy, the TikShot Clone encourages user participation in reporting and providing feedback on potentially inappropriate content. Users can flag content they find objectionable, helping to refine and improve the adult content detection mechanism.

**3.8 Referral System:**

TikShot Clone incorporates a referral system that incentivizes users to invite their friends and acquaintances to join the platform, fostering organic growth and community expansion. The referral system rewards users for successful referrals, encouraging them to actively promote the app.

**Referral Program:** Users can generate unique referral links or codes to share with others.

**Referrer Rewards:** Referrers earn coins when new users sign up or engage with the platform using their referral link or code.

**Tracking and Attribution:** The TikShot Clone accurately tracks successful referrals to ensure referrers receive their rewards.

**Admin Management:** The referral system is managed through the admin panel, enabling administrators to set rewards and monitor the program.

**3.3 DeepAR Integration with Camera:**

The integration of DeepAR with the camera in the TikShot Clone adds a new dimension of creativity and interactivity to the platform.

**Real-time AR Effects:**

With DeepAR integration, users can access a vast library of AR effects and filters to augment their camera feed in real-time. These effects can include face filters, beauty enhancements, background replacements, 3D objects, and much more. Users can choose from a variety of effects to apply to their videos, photos, or live streams, making their content visually captivating and engaging.

**Interactive Face Masks and Filters:**

DeepAR offers a collection of interactive face masks and filters that respond to user movements and gestures. Users can transform themselves into various characters, creatures, or objects, adding a playful and entertaining element to their videos and

live streams. These interactive face masks and filters enable users to create unique and immersive content, encouraging viewer engagement and interaction.

**Beauty Enhancements:**

DeepAR includes advanced beauty enhancement features that allow users to enhance their appearance in real-time. Users can smooth their skin, adjust facial features, apply makeup effects, and more, providing them with tools to present their best selves on camera. These beauty enhancements contribute to a polished and professional look, enhancing the overall visual quality of the content.

### 3.9 Admin Panel Features:

### 3.9.1 Dashboard:

The admin panel includes a comprehensive dashboard that provides an overview of key metrics, analytics, and insights related to user activity, content performance, revenue generation, and more. Administrators can monitor the platform's performance, make data-driven decisions, and track important KPIs.

### 3.9.2 Users Management:

Administrators have access to user management functionalities, allowing them to view and manage user accounts. This includes reviewing user profiles, handling account-related issues, managing user roles and permissions, and taking necessary actions such as suspending or banning users.

### 3.9.3 Videos Management:

Administrators can access and manage all videos uploaded to the TikShot Clone platform through the admin panel. This includes reviewing and moderating videos for adherence to community guidelines and content policies. Administrators can delete inappropriate content or flag videos for further review.

### 3.9.4 Comments Management:

The admin panel provides tools for managing user comments on videos and posts. Administrators can monitor and moderate comments, ensuring a respectful and engaging environment for users. They can delete or flag inappropriate comments, respond to user queries, and manage comment threads effectively.

### 3.9.5 Reports Management:

Administrators can review and handle reported videos, posts, and users through the reports management feature. They can access a list of reported content and users, along with the provided report reasons. Administrators can take appropriate actions, such as deleting offensive content, suspending or banning users, or resolving reported issues through further investigation.

### 3.9.6 Sounds Management:

The admin panel includes a dedicated section for managing sounds or music uploaded to the platform. Administrators can review and curate the library of sounds available for users to incorporate into their videos. They can upload, delete, or update sounds, ensuring a diverse and engaging audio experience for users.

### 3.9.7 Streaming Management:

Administrators have access to a streaming management section in the admin panel, allowing them to view and monitor all ongoing live streams. They can monitor the status of live streams, manage any reported issues, and take necessary actions to ensure a smooth streaming experience for users.

### 3.9.8 Packages Configuration:

Administrators can configure in-app purchase products within the admin panel. This includes setting the pricing, benefits, and details of different packages that users can purchase within the app. Configured packages are visible in the app, eliminating the need for recompiling the app for pricing or offering changes.

### 3.9.9 Fetch Scripts:

The admin panel provides fetch scripts functionality, allowing administrators to download videos from TikTok and import them into the TikShot Clone platform. This simplifies the process of migrating content from TikTok to the TikShot Clone, saving time and effort in manual video transfer.

### 3.9.10 Gifts Management:

Administrators can manage the gift system within the admin panel. This includes configuring the prices and rewards associated with gifts, monitoring gift transactions, and managing the overall gift system to ensure a seamless and rewarding experience for users.

### 3.9.11 Levels Management:

Administrators have the ability to manage the levels and XP system within the TikShot Clone platform. They can define the criteria for leveling up, set rewards for achieving higher levels, and manage the overall progression system to motivate user engagement and provide incentives for content creation.

### 3.9.12 Communities Management:

Administrators can manage the communities feature within the admin panel. This includes managing and moderating posts, as well as managing community settings and permissions. Administrators have control over the community functionality to ensure a positive and engaging community experience for users.

### 3.9.13 Featured Users:

The admin panel includes a featured users section where administrators can select and showcase users who are featured on the platform. Featured users receive priority visibility, highlighting their content and providing additional exposure and recognition.

### 3.9.14 Withdrawals Management:

Administrators can manage the withdrawal system within the admin panel. They can review and process withdrawal requests made by users who have accumulated a certain amount of diamonds. Administrators can approve or reject withdrawal requests, manually initiate payments, and update the withdrawal status accordingly.

### 3.9.15 Verification Requests:

The admin panel provides a verification request management feature, allowing administrators to review and process user verification requests. Administrators can verify user identities based on the provided documentation and update the verification status accordingly.

### 3.9.16 Tags Management:

Administrators can manage video tags and explore tags within the admin panel. This includes creating, prioritizing, and deleting tags to categorize and organize content effectively. Tags play a vital role in content discovery and user engagement within the TikShot Clone platform.

### 3.9.17 Notifications Management:

Administrators have the ability to send notifications from the admin panel to users of the TikShot Clone platform. This feature enables administrators to communicate important announcements, updates, or promotional messages directly to users, enhancing user engagement and platform communication.

### 3.9.18 Settings Management:

The admin panel includes a centralized settings management section, allowing administrators to configure and customize various aspects of the TikShot Clone platform. Administrators can manage general settings, user settings, privacy settings, and other platform-specific configurations, ensuring a tailored and optimized user experience.

### 4.0 Premium Subscription Model:

TikShot Clone offers a premium subscription model that allows content creators to set a price on their videos. Only users who have subscribed to the premium video can access and view the exclusive video(s). This model provides an additional revenue stream for content creators, encouraging them to create high-quality and exclusive content for their subscribed audience.

### 4.1 Group Messaging:

TikShot Clone incorporates a group messaging feature that allows users to engage in conversations with multiple participants. This feature enables users to create and join group chats, fostering community interactions and facilitating discussions on shared interests. Users can send messages, share media files, stickers, emojis, and voice messages within the group chats, promoting real-time collaboration and enhancing user engagement within the platform.

Administrators have control over group messaging within the admin panel, where they can monitor and moderate group chats, ensuring adherence to community guidelines and maintaining a positive and respectful communication environment. The group messaging feature adds a social and interactive element to the TikShot Clone, enabling users to connect, collaborate, and build meaningful connections within the platform.

### 4.2 Web Version:

The TikShot Clone extends its reach and accessibility with a comprehensive web version that offers users a feature-rich experience on both desktop and mobile devices. The web version of TikShot Clone is designed with complete flexibility, interactivity, and adaptability in mind, ensuring users can enjoy the platform's functionalities seamlessly across various devices.

### Modular Design:

The web version of TikShot Clone adopts a modular design approach, allowing for easy customization and scalability. The platform's architecture is built with modular components, enabling developers to add or modify features effortlessly. This modular design ensures that the web version can adapt to evolving user needs and accommodate future enhancements and integrations.

### Adaptive Interface:

The web version of TikShot Clone features an adaptive interface that dynamically adjusts to different screen sizes and resolutions. Whether accessed from a desktop, laptop, tablet, or smartphone, the web version optimizes its layout and user interface to deliver an intuitive and engaging experience. The responsive design ensures that users can seamlessly navigate, interact, and consume content on any device.

### Feature Parity:

The web version of TikShot Clone strives to provide feature parity with the mobile app, ensuring users have access to most of the functionalities present in the mobile version. Users can browse and watch videos, interact with content creators, like, comment, and share content, follow other users, participate in live streams, engage in messaging and group chats, explore communities, and enjoy a range of

interactive features. This parity between the web and mobile versions ensures a consistent user experience across platforms.

**Complete Flexibility:**
The web version of TikShot Clone offers complete flexibility, allowing users to access the platform's features and functionalities from any web browser. Users can enjoy the full TikShot Clone experience without the need for downloading or installing a dedicated mobile app. This flexibility enables users to seamlessly transition between devices and access the platform wherever they have an internet connection.

The web version of TikShot Clone serves as an extension of the mobile app, providing users with a versatile and adaptive platform to engage with short video content. Its modular design, adaptive interface, feature parity, and complete flexibility make it a powerful tool for users, content creators, and administrators. With the web version of TikShot Clone, users can enjoy the platform's immersive experience on their preferred devices, ensuring maximum accessibility and engagement.

Please note that this document provides an overview of the features and functionalities of the TikShot Clone platform developed by vativeApps. It covers both existing features and those that are planned for release or under development. However, it is important to understand that the availability of specific features may vary depending on the package chosen by the clients.

The TikShot Clone platform offers three different packages: Enterprise, Enterprise Plus, and Elite. Each package provides a unique set of features and functionalities tailored to meet the diverse needs of businesses and clients. The detailed package information, including the specific features included in each package, is available on [vativeApps website](#) or through vativeApps' official channels.

It is important to refer to the official package details and consult with the vativeApps team to get accurate and up-to-date information regarding the features and functionalities offered in each package. The package details and availability may be subject to change based on the platform's development and business strategies.

Please visit the TikShot Clone website or contact vativeApps for the most current and accurate information regarding the package options and the features included in each package.

The document aims to provide a comprehensive overview of the TikShot Clone platform developed by vativeApps, highlighting its key features and functionalities. However, it is recommended to refer to the official package details and engage in direct communication with the vativeApps team for specific inquiries and up-to-date information related to the platform's features, packages, and availability.