Creator Token Frontend Integration Spec (Updated)

# 1. Overview

This document outlines the frontend interaction requirements for integrating Creator Tokens within the Camuverse ecosystem. Creator Tokens are NFT-based subscription passes that offer token-gated access to content, allowing creators to set their own pricing and define whether access is restricted to verified adults only.

# 2. Creator Requirements

- Must be verified via CamuVerify before deploying a Creator Token.

- Must specify the mint price (in ETH or a designated ERC-20 token).

- Must optionally indicate if the token is for adult-only content.

# 3. Subscriber Minting Flow

To mint a Creator Token:

* - The user visits the token minting page via a frontend interface.
* - The minting contract address and required payment (mint price) are displayed.
* - The user clicks 'Subscribe' or 'Mint' and confirms the transaction in their wallet.
* - If the token is flagged for adult content, the contract checks verification via CamuVerify.
* - If verified and correct payment is sent, the token is minted to the sender's wallet.

# 4. Smart Contract Logic

- Only verified creators can deploy via CreatorTokenFactory.

- Minting is open to the public (unless adult-only gating is active).

- Payment must meet or exceed `mintPrice`.

- If `adultGated`, sender must pass CamuVerify check.

# 5. UI Integration Notes

- Show mint price and creator wallet on the minting page.

- Provide a tooltip or badge for adult-only tokens.

- Offer a verification link if the user is not verified and tries to mint an adult token.