

File: client/src/components/InterstitialAd.tsx

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```
import React, { useState, useEffect } from 'react';
import { motion, AnimatePresence } from 'framer-motion';
import { AD_CLASSES, AD_UNIT_IDS, canShowInterstitial } from '@/lib/adManager';
import { prepareInterstitial, showInterstitialIfReady } from '@/lib/adMobService';
import { useCapacitor } from '@/hooks/use-capacitor';

interface InterstitialAdProps {
  isVisible: boolean;
  onClose: () => void;
}

/**
 * Interstitial Ad Component
 * Displays a full-screen advertisement between user actions
 *
 * On web: Shows a countdown interstitial
 * On Android/iOS: Uses native AdMob interstitials via the Capacitor AdMob plugin
 */
export default function InterstitialAd({ isVisible, onClose }: InterstitialAdProps) {
  const [timeLeft, setTimeLeft] = useState(5); // 5 second countdown
  const { isCapacitorApp, isInitialized } = useCapacitor();

  // Prepare interstitial on component mount for native platforms
  useEffect(() => {
    if (isCapacitorApp && isInitialized) {
      prepareInterstitial().catch(error => {
        console.error('Error preparing interstitial:', error);
      });
    }
  }, [isCapacitorApp, isInitialized]);

  // Handle interstitial display
  useEffect(() => {
    // If not visible or can't show interstitial, don't do anything
    if (!isVisible || !canShowInterstitial()) {
      return;
    }

    // If we're on a mobile device and initialized, show the native ad
    if (isCapacitorApp && isInitialized) {
      // For native platforms, the ad will be shown by AdMobService
      // and we'll immediately close this component
      showInterstitialIfReady().catch(error => {
        console.error('Error showing interstitial:', error);
      });
    }

    // Close the interstitial component since the native ad will take over
    onClose();
    return;
  });

  // For web, show our custom interstitial with countdown
  const timer = setInterval(() => {
    setTimeLeft((prev) => {
      if (prev <= 1) {
        clearInterval(timer);
        return 0;
      }
      return prev - 1;
    });
  }, 1000);

  return () => {
    clearInterval(timer);
    setTimeLeft(5);
  };
}, [isVisible, isCapacitorApp, isInitialized, onClose]);

// Only render if:
// 1. We should show the ad (isVisible is true)
```

```

// 2. We can show an interstitial based on frequency constraints
// 3. We're not on a native platform (since those use native AdMob interstitials)
if (!isVisible || !canShowInterstitial() || (isCapacitorApp && isInitialized)) return null;

// This web placeholder only shows on non-Capacitor platforms (like in development)
return (
  <AnimatePresence>
    {isVisible && (
      <motion.div
        className={`${`fixed inset-0 z-50 bg-mystical-dark/90 backdrop-blur-sm flex flex-col items-center justify-center rounded-lg py-16 px-16`} ${AD_UNIT_IDS.INTERSTITIAL}`}
        initial={{ opacity: 0 }}
        animate={{ opacity: 1 }}
        exit={{ opacity: 0 }}
      >
        /* This is a placeholder for web. In Android/iOS, the actual interstitial is shown by AdMob */
        <div className="w-full max-w-md bg-mystical-gradient/30 rounded-xl p-8 border border-mystical-purple-400" style={{ height: 300 }}>
          <div className="w-16 h-16 rounded-full bg-mystical-purple/20 flex items-center justify-center mb-4">
            <i className="fas fa-sparkles text-mystical-pink text-lg"></i>
          </div>
          <h3 className="font-serif text-xl text-mystical-pink mb-2">Advertisement</h3>
          <p className="text-mystical-lavender text-center mb-6">
            Upgrade to premium to remove ads and unlock more features!
          </p>

          <div className="bg-mystical-dark w-full h-[200px] rounded-lg mb-6 flex items-center justify-center" style={{ height: 200 }}>
            <p className="text-mystical-lavender/50">Ad content will appear here</p>
          </div>
        </div>
        {timeLeft > 0 ? (
          <p className="text-sm text-mystical-lavender/70">
            Continue in {timeLeft} seconds...
          </p>
        ) : (
          <motion.button
            onClick={onClose}
            className="bg-mystical-purple text-white font-medium py-2 px-6 rounded-lg"
            whileHover={{ scale: 1.05 }}
            whileTap={{ scale: 0.95 }}
          >
            Continue
          </motion.button>
        )}
      </div>
    </motion.div>
  )
)
</AnimatePresence>
);
}

```