# 🧩 BlockReceipt.ai – Final UX Integration & NFT Visibility Tasks

## 🎯 Overview

The backend now fully supports receipt upload, metadata encryption via TACo, NFT task queueing, and task polling. This document provides the remaining frontend and middleware glue to deliver a seamless UX from upload to visible NFT ownership.

## 🔁 Frontend Task Polling Logic (React Example)

Add this to your upload component to fetch NFT tokenId after upload response includes `taskId`:

useEffect(() => {  
 if (!taskId) return;  
  
 const interval = setInterval(async () => {  
 const res = await fetch(`/api/task/${taskId}/status`);  
 const { success, data } = await res.json();  
  
 if (success && data?.status === 'completed') {  
 setStatus('✅ Your NFT has been minted!');  
 setNftTokenId(data.tokenId);  
 clearInterval(interval);  
 }  
 }, 5000); // poll every 5 seconds  
  
 return () => clearInterval(interval);  
}, [taskId]);

## 🖼 Refresh NFT Gallery After Successful Mint

If tokenId is returned or task completes, trigger gallery refresh:

if (nftTokenId) {  
 // Optionally trigger a global state update or re-fetch gallery NFTs  
 fetch(`/api/gallery/${wallet}`).then(res => res.json()).then(data => {  
 setGallery(data?.nfts || []);  
 });  
}

## 🎉 Add Upload Success Message

Immediately show the user feedback after upload starts processing:

<p className="bg-green-100 p-4 rounded">  
 ✅ Thanks for uploading your receipt!  
 <br />  
 Your NFT is being minted – we'll update you when it's ready.  
</p>

## 🔓 Unlock Metadata Display

Once tokenId is known and wallet is connected, show metadata unlock state:

fetch(`/api/gallery/metadata/${tokenId}`).then(res => res.json()).then(data => {  
 if (data.success && data.data?.ciphertext) {  
 setEncrypted(data.data);  
 }  
});

## ✅ Final Integration Instructions

Please:  
1. Add frontend polling for NFT taskId → tokenId resolution  
2. On mint complete, refresh NFT gallery  
3. Display success message immediately post-upload  
4. Show user their encrypted receipt metadata (if present)  
5. Ensure new NFTs are visible in the gallery within 15s of upload