# 🖥 BlockReceipt.ai – Frontend Components for Full NFT Claim Flow

## 🔗 1. Wallet Connection (Top Bar)

Add a persistent wallet connection status using wagmi + ethers.

<Component>  
 <button onClick={connectWallet}>Connect Wallet</button>  
 {wallet && <span>Connected: {shortAddress(wallet)}</span>}  
</Component>

## 📤 2. Upload Receipt UI

File: `components/ReceiptUpload.jsx`

import { useState } from 'react';  
  
export default function ReceiptUpload({ wallet }) {  
 const [file, setFile] = useState(null);  
 const [status, setStatus] = useState('');  
  
 const handleUpload = async () => {  
 const formData = new FormData();  
 formData.append('receipt', file);  
 formData.append('wallet', wallet);  
 const res = await fetch('/api/upload-receipt', { method: 'POST', body: formData });  
 const result = await res.json();  
 setStatus(result.success ? "NFT issued!" : "Upload failed");  
 };  
  
 return (  
 <div>  
 <input type="file" onChange={e => setFile(e.target.files[0])} />  
 <button onClick={handleUpload}>Upload & Mint</button>  
 <p>{status}</p>  
 </div>  
 );  
}

## 🖼 3. NFT Gallery

File: `components/NFTGallery.jsx`

import { useEffect, useState } from 'react';  
  
export default function NFTGallery({ wallet }) {  
 const [nfts, setNfts] = useState([]);  
  
 useEffect(() => {  
 fetch(`/api/gallery/${wallet}`).then(res => res.json()).then(data => setNfts(data.nfts));  
 }, [wallet]);  
  
 return (  
 <div className="grid grid-cols-2 gap-4">  
 {nfts.map((nft, i) => (  
 <div key={i} className="p-4 border rounded">  
 <img src={nft.image || '/nft-placeholder.png'} alt={nft.name} />  
 <p>{nft.name}</p>  
 {nft.metadataLocked ? <span>🔒 Encrypted Receipt</span> : <pre>{JSON.stringify(nft.metadata)}</pre>}  
 </div>  
 ))}  
 </div>  
 );  
}

## 🔓 4. Unlock Metadata Button

Optionally render a decrypt button if the wallet owns the NFT.

<button onClick={() => decryptMetadata(nft.tokenId)}>🔓 Unlock Receipt Data</button>

## 📦 Add to App Routing

- `/upload` → Show receipt upload form  
- `/gallery` → Show NFTGallery, passing connected wallet  
- `/` → Optionally a dashboard/hero page

## 🎨 Styling Tips

- Use Tailwind CSS for quick layout  
- Add loading states to NFTGallery  
- Use `shadcn/ui` if available for buttons, cards, and modals