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// src/demo/DecoderDemo.tsx

import React, { useState } from "react";
import type { WnspFrame } from "../protocol/frameTypes";
import { decodeFramesToText } from "../codec/
frameDecoder";

export const DecoderDemo: React.FC = () => {
  const [inputJson, setInputJson] = useState("");
  const [decodedText, setDecodedText] = useState<string>("");

  const handleDecode = () => {
    try {
      const parsed = JSON.parse(inputJson) as WnspFrame[];
      const text = decodeFramesToText(parsed);
      setDecodedText(text);
    } catch (err) {
      setDecodedText(`Error decoding: ${(err as
Error).message}`);
    }
  };

  return (
    <div style={{ padding: "1rem", border: "1px solid #444",
borderRadius: 8 }}>
      <h2>Decoder Demo</h2>
      <label>
        Frames JSON:
        <textarea
          style={{
            width: "100%",
            minHeight: 120,
            padding: "0.5rem",
            marginTop: "0.25rem",
          }}
          value={inputJson}
          onChange={(e) => setInputJson(e.target.value)}
        />
      </label>
      <button onClick={handleDecode} style={{ padding:
"0.5rem 1rem" }}>
        Decode
      </button>

      <div style={{ marginTop: "1rem" }}>
        <h3>Decoded Text</h3>
        <pre
          style={{
            background: "#111",
            padding: "0.5rem",
            minHeight: 40,
          }}
        >
          {decodedText || "(none)"}
        </pre>
      </div>
    </div>
  );
};
```