

## Camera.jsx

```
import React, { useRef, useState, useEffect } from 'react';

const Camera = () => {
  const videoRef = useRef(null);
  const canvasRef = useRef(null);
  const [facingMode, setFacingMode] = useState('user');
  const [photo, setPhoto] = useState(null);

  const startCamera = async () => {
    const stream = await navigator.mediaDevices.getUserMedia({
      video: { facingMode },
    });
    videoRef.current.srcObject = stream;
  };

  const switchCamera = () => {
    setFacingMode((prev) => (prev === 'user' ? 'environment' : 'user'));
  };

  const takePhoto = () => {
    const video = videoRef.current;
    const canvas = canvasRef.current;
    canvas.width = video.videoWidth;
    canvas.height = video.videoHeight;
    const ctx = canvas.getContext('2d');
    ctx.drawImage(video, 0, 0);
    setPhoto(canvas.toDataURL('image/jpeg'));
  };

  useEffect(() => {
    startCamera();
  }, [facingMode]);

  return (
    <div className="flex flex-col items-center gap-4">
      <video ref={videoRef} autoPlay playsInline className="w-full max-w-md rounded-lg" />
      <canvas ref={canvasRef} className="hidden" />
      <div className="flex gap-2">
        <button onClick={switchCamera}><img alt="switch camera icon" data-bbox="551 848 575 862" /> კამერის გადართვა</button>
        <button onClick={takePhoto}><img alt="take photo icon" data-bbox="521 868 545 882" /> გადაღება</button>
      </div>
      {photo && (
        <div>
          <h3><img alt="photo icon" data-bbox="278 948 302 962" /> გადაღებული ფოტო:</h3>

```

```
        <img src={photo} alt="Captured" className="w-60 mt-2
rounded-md" />
      </div>
    )}
  </div>
);
};

export default Camera;
```

### App.jsx

```
import React from 'react';
import Camera from './Camera';

function App() {
  return (
    <div className="min-h-screen bg-gray-100 flex items-center
justify-center p-4">
      <Camera />
    </div>
  );
}

export default App;
```

### index.jsx

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';
import './index.css';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```