**Frontend Violence Detection**

**VideoUpload.jsx**

import React, { useState } from 'react';

import './VideoUpload.css'; // Import CSS file

const VideoUpload = () => {

  const [selectedVideo, setSelectedVideo] = useState(null);

  const [predictionResult, setPredictionResult] = useState(null);

  const [error, setError] = useState(null);

  const [uploading, setUploading] = useState(false);

  const handleVideoChange = (event) => {

    setSelectedVideo(event.target.files[0]);

  };

  const handleSubmit = async (event) => {

    event.preventDefault();

    if (!selectedVideo) {

      alert('Please select a video file');

      return;

    }

    setUploading(true);

    const formData = new FormData();

    formData.append('file', selectedVideo);

    try {

      const response = await fetch('http://localhost:5000/predict\_video', {

        method: 'POST',

        body: formData

      });

      if (!response.ok) {

        throw new Error('Network response was not ok');

      }

      const data = await response.json();

      setPredictionResult(data);

      setError(null);

    } catch (error) {

      console.error('Error uploading video:', error);

      setError('Error uploading video. Please try again.');

      setPredictionResult(null);

    } finally {

      setUploading(false);

    }

  };

  return (

    <div className='page-container'>

      <div className="video-upload-container">

        <h2>Upload Video</h2>

        <div className={`video-upload-form ${uploading ? 'hidden' : ''}`}>

          <form onSubmit={handleSubmit}>

            <label>

              Choose File

              <input type="file" accept="video/\*" onChange={handleVideoChange} />

            </label>

            <button type="submit">Upload</button>

          </form>

        </div>

        {uploading && (

          <div className="processing-message">

            <p className='Video-para'>Processing video...</p>

          </div>

        )}

        <div className={`video-upload-result ${!uploading && predictionResult ? 'visible' : ''}`}>

          {predictionResult && (

            <div>

              <h3>Prediction Result</h3>

              <p className='Video-para'>Average Human Assault score: {predictionResult['Average Human Assault score']}</p>

              <p className='Video-para' >Average no-human-assault score: {predictionResult['Average no-human-assault score']}</p>

              <p className='Video-para'>Human Assault detected: {predictionResult['Human Assault detected'].toString()}</p>

            </div>

          )}

          {error && <p className="error-message">{error}</p>}

        </div>

      </div>

    </div>

  );

};

export default VideoUpload;

**VideoUpload.css**

.page-container {

    margin-top: 10%;

    height: 90vh;

  }

.video-upload-container {

    max-width: 600px;

    margin: 0 auto;

    padding: 20px;

    border: 1px solid #ccc;

    border-radius: 10px;

    background-color: #f9f9f9;

    text-align: center;

  }

  .video-upload-container h2 {

    font-size: 24px;

    margin-bottom: 20px;

  }

  .video-upload-form {

    display: flex;

    justify-content: center;

    align-items: center;

    margin-bottom: 20px;

  }

  .video-upload-form label {

    background-color: #007bff;

    color: #fff;

    padding: 10px 20px;

    border-radius: 5px;

    cursor: pointer;

    font-size: 18px;

    margin-right: 10px;

  }

  .video-upload-form label:hover {

    background-color: #0056b3;

  }

  .video-upload-form input[type="file"] {

    display: none;

  }

  .video-upload-form button[type="submit"] {

    background-color: #28a745;

    color: #fff;

    padding: 10px 20px;

    border: none;

    border-radius: 5px;

    font-size: 18px;

    cursor: pointer;

    transition: background-color 0.3s ease;

  }

  .video-upload-form button[type="submit"]:hover {

    background-color: #218838;

  }

  .processing-message {

    text-align: center;

    margin-top: 20px;

    color:blue;

  }

  .video-upload-result {

    margin-top: 20px;

    text-align: left;

  }

  .video-upload-result h3 {

    font-size: 20px;

    margin-bottom: 10px;

  }

  .video-upload-result p {

    font-size: 18px;

  }

  .error-message {

    color: #dc3545;

    font-size: 16px;

    margin-top: 10px;

  }

  .Video-para{

    color: black;  }

**Nav.jsx**

import React from 'react';

import { Link } from 'react-router-dom';

import "../Component/Nav.css"

const Nav = () => {

  return (

    <>

      <div id="inner">

        <div className="container">

            <div className="home link1">

                <p className="space1">

                    <Link style={{ textDecoration: 'none' }} to="/">

                        <span className="Span2">HOME</span>

                    </Link>

                </p>

            </div>

            <div className="why link1">

                <p className="space2">

                    <Link style={{ textDecoration: 'none' }} to="/why-this">

                        <span className="Span2">WHY THIS?</span>

                    </Link>

                </p>

            </div>

            <div className="team link1">

                <p className="space3">

                    <Link style={{ textDecoration: 'none' }} to="/team">

                        <span className="Span2">TEAM</span>

                    </Link>

                </p>

            </div>

            <div className="signIn link1">

                <p className="space4">

                    <Link style={{ textDecoration: 'none' }} to="/signin">

                        <span className="Span2">SIGN IN</span>

                    </Link>

                </p>

            </div>

            <div className="signup link1">

                <p className="space5">

                    <Link style={{ textDecoration: 'none' }} to="/signup">

                        <span className="Span2">SIGN UP</span>

                    </Link>

                </p>

            </div>

        </div>

    </div>

    </>

  );

}

export default Nav;

**App.jsx**

import React from 'react';

import LandingPage from './MainComponent/LandingPageComponent.jsx';

import WhyThis from './MainComponent/WhyThisPageContainer.jsx';

import Team from './MainComponent/TeamComponent.jsx';

import SignIn from './MainComponent/SignInComponent.jsx';

import SignUp from './MainComponent/SignUpComponent.jsx';

import VideoUpload from './Component/VideoUpload.jsx';

import './App.css';

import { Routes , Route } from 'react-router-dom';

import Nav from './Component/Nav.jsx';

const App = () => {

  return (

    <div>

      <Nav />

      <Routes>

        <Route path="/" element={<LandingPage/>}></Route>

        <Route path="/why-this" element={<WhyThis/>}></Route>

        <Route path="/team" element={<Team/>}></Route>

        <Route path="/signin" element={<SignIn/>}></Route>

        <Route path="/signup" element={<SignUp/>}></Route>

        <Route path="/video-upload" element={<VideoUpload />} />

      </Routes>

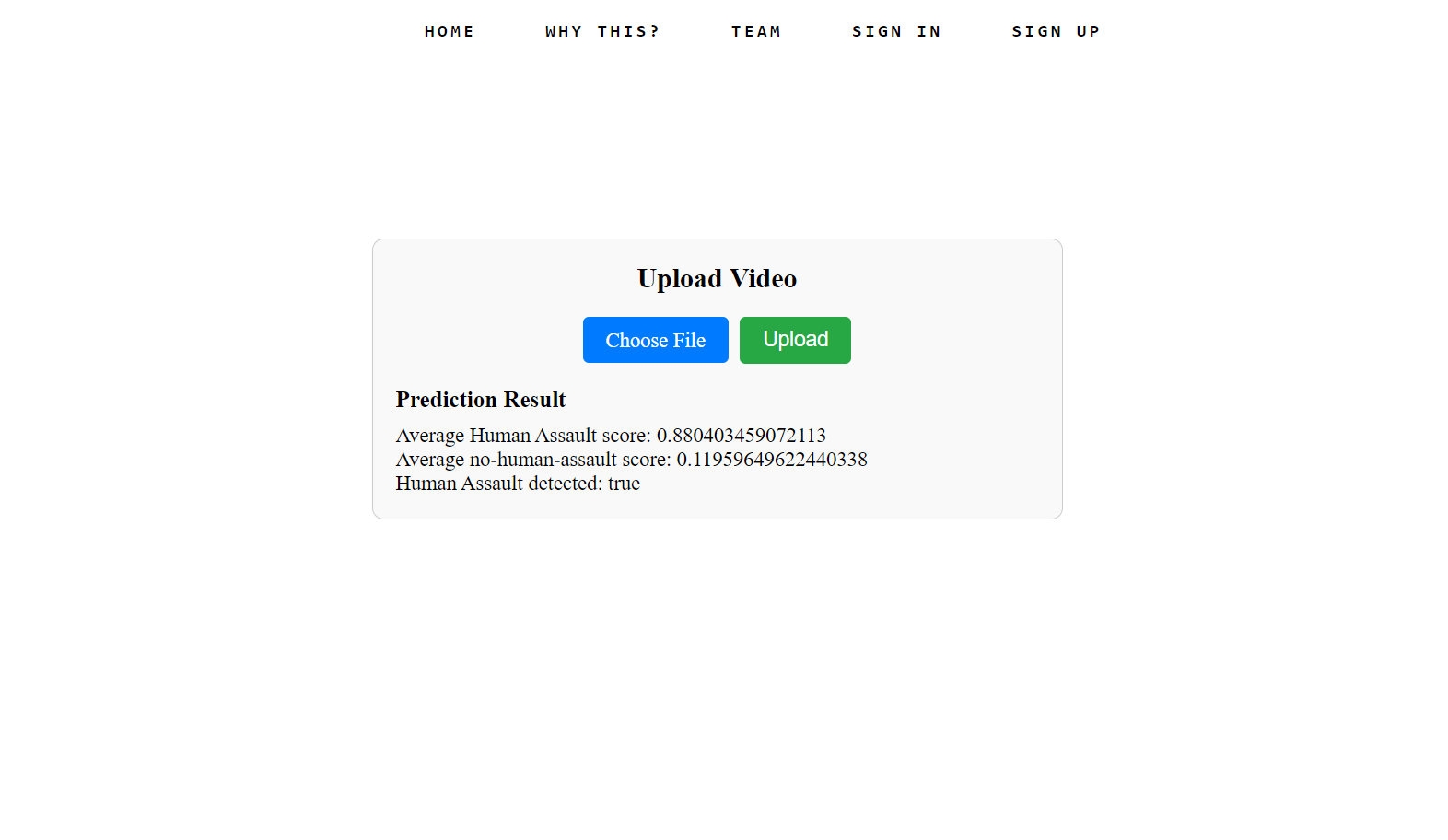
    </div>

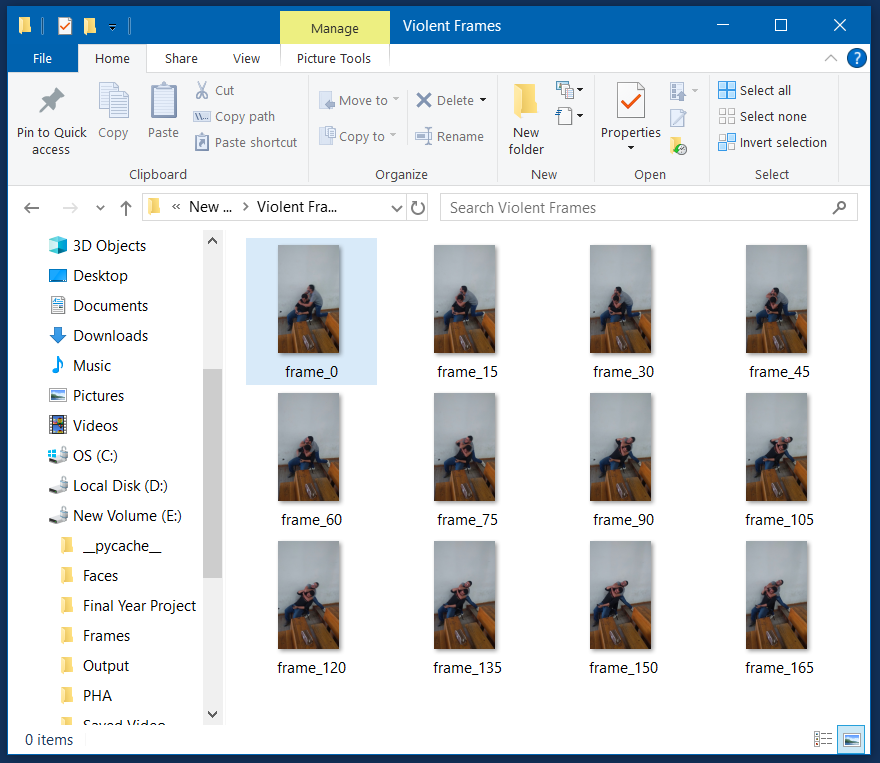
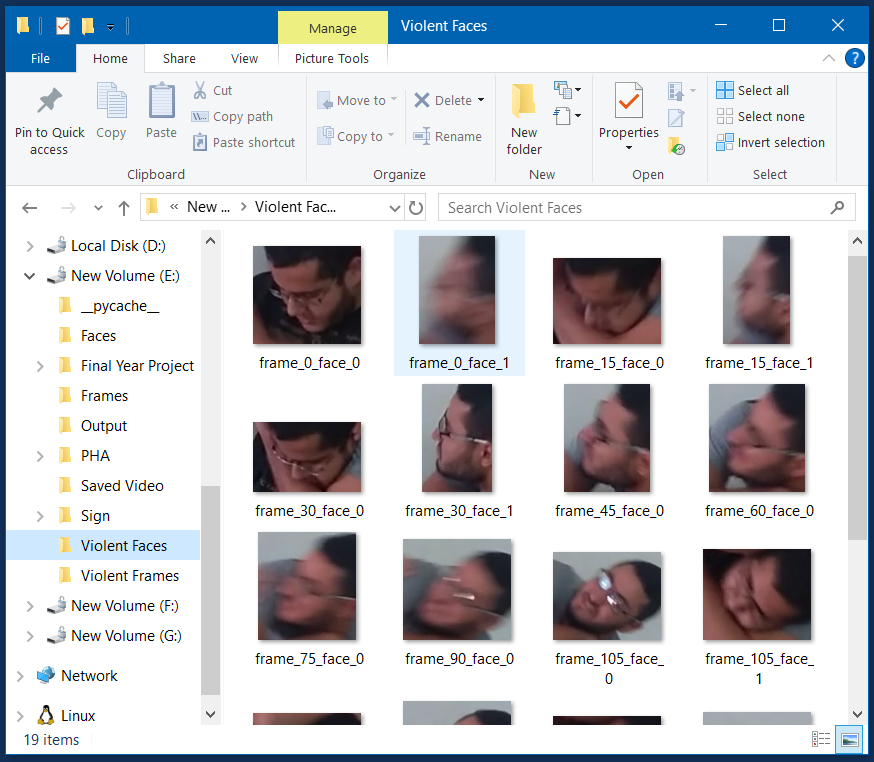
  );

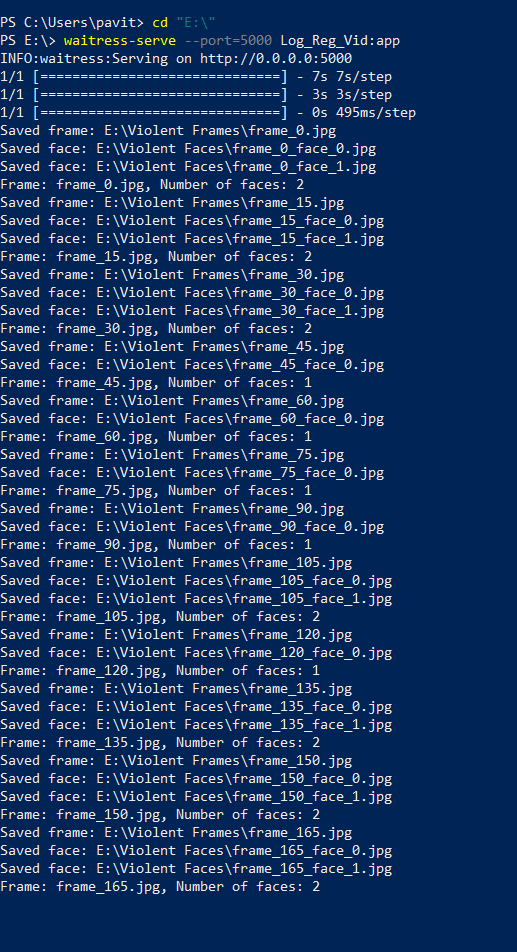
}

export default App;

**Output**

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