import React, { Component } from 'react';

import Particles from 'react-particles-js';

import Clarifai from 'clarifai';

import FaceRecognition from './components/FaceRecognition/FaceRecognition';

import Navigation from './components/Navigation/Navigation';

import Signin from './components/Signin/Signin';

import Register from './components/Register/Register';

import Logo from './components/Logo/Logo';

import ImageLinkForm from './components/ImageLinkForm/ImageLinkForm';

import Rank from './components/Rank/Rank';

import './App.css';

const app = new Clarifai.App({

apiKey: 'c53612ac39434c7f8c424761b1645326'

});

const particlesOptions = {

particles: {

number: {

value: 200,

density: {

enable: true,

value\_area: 800

}

}

}

}

class App extends Component {

constructor() {

super();

this.state = {

input: '',

imageUrl: '',

box: {},

route: 'signin',

isSignedIn: false

}

}

calculateFaceLocation = (data) => {

const clarifaiFace= data.outputs[0].data.regions[0].region\_info.bounding\_box;

const image = document.getElementById('inputImage');

const width = Number(image.width);

const height = Number(image.height);

return {

leftCol: clarifaiFace.left\_col \* width,

topRow: clarifaiFace.top\_row \* height,

rightCol: width - (clarifaiFace.right\_col \* width),

bottomRow: height - (clarifaiFace.bottom\_row \* height),

}

}

displayFaceBox = (box) => {

this.setState({box: box})

}

onInputChange = (event) => {

this.setState({input: event.target.value});

}

onButtonSubmit = () => {

this.setState({imageUrl: this.state.input})

app.models

.predict(

Clarifai.FACE\_DETECT\_MODEL,

this.state.input)

.then(response => this.displayFaceBox(this.calculateFaceLocation(response)))

.catch(err => console.log(err));

}

onRouteChange = (route) => {

if (route === 'signout') {

this.setState({isSignedIn: false})

} else if (route === 'home') {

this.setState({isSignedIn: true})

}

this.setState({route: route});

}

render() {

const { isSignedIn, imageUrl, route, box } = this.state;

return (

<div className="App">

<Particles className='particles'

params={particlesOptions}

/>

<Navigation isSignedIn={isSignedIn} onRouteChange={this.onRouteChange}/>

{ route === 'home'

? <div>

<Logo />

<Rank />

<ImageLinkForm

onInputChange={this.onInputChange}

onButtonSubmit={this.onButtonSubmit}

/>

<FaceRecognition box={box} imageUrl={imageUrl} />

</div>

: (

route === 'signin'

? <Signin onRouteChange={this.onRouteChange}/>

: <Register onRouteChange={this.onRouteChange}/>

)

}

</div>

);

}

}

export default App;