import React, { useState } from "react";

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import { Card, CardContent } from "@/components/ui/card";

import { Button } from "@/components/ui/button";

import { Select, SelectContent, SelectItem, SelectTrigger, SelectValue } from "@/components/ui/select";

const ageBands = [">20", "25-29", "30-34", "35-39", ">40"];

const follicleBands = [" 20"];

const probabilities = {

"25-29": { " 20": 40 },

"30-34": { " 20": 42 },

"35-39": { " 20": 40 },

">40": { " 20": 17 },

};

const App = () => {

const [ageBand, setAgeBand] = useState("");

const [follicleBand, setFollicleBand] = useState("");

const [probability, setProbability] = useState(null);

const handleCalculate = () => {

if (ageBand && follicleBand) {

setProbability(probabilities[ageBand][follicleBand]);

}

};

return (

## Probability Calculator

Age Band:

{ageBands.map((band) => (

{band}

))}

Follicle Band:

{follicleBands.map((band) => (

{band}

))}

Calculate

{probability !== null && (

### Probability Result:

{probability}

)}

);

};

export default App;

import { Card, CardContent } from "@/components/ui/card";

import { Button } from "@/components/ui/button";

import { Select, SelectContent, SelectItem, SelectTrigger, SelectValue } from "@/components/ui/select";

const ageBands = [">20", "25-29", "30-34", "35-39", ">40"];

const follicleBands = ["<6", "6-11", "12-20", ">20"];

const probabilities = {

"25-29": { "<6": "NA", "6-11": "NA", "12-20": 28, ">20": 40 },

"30-34": { "<6": 67, "6-11": 56, "12-20": 41, ">20": 42 },

"35-39": { "<6": "NA", "6-11": 43, "12-20": 33, ">20": 40 },

">40": { "<6": "NA", "6-11": 17, "12-20": 17, ">20": 17 },

};

export default function IVFCalculator() {

const [ageBand, setAgeBand] = useState("");

const [follicleBand, setFollicleBand] = useState("");

const [result, setResult] = useState(null);

const calculateProbability = () => {

if (ageBand && follicleBand && probabilities[ageBand] && probabilities[ageBand][follicleBand] !== undefined) {

setResult(`Estimated success rate: ${probabilities[ageBand][follicleBand]}%`);

} else {

setResult("No data available for selected criteria.");

}

};

return (

<div className="p-4 space-y-4">

<Card>

<CardContent className="space-y-4">

<h2 className="text-xl font-bold">IVF Success Predictor</h2>

<Select onValueChange={setAgeBand}>

<SelectTrigger><SelectValue placeholder="Select Age Band" /></SelectTrigger>

<SelectContent>

{ageBands.map((band) => (

<SelectItem key={band} value={band}>{band}</SelectItem>

))}

</SelectContent>

</Select>

<Select onValueChange={setFollicleBand}>

<SelectTrigger><SelectValue placeholder="Select Follicle Count Band" /></SelectTrigger>

<SelectContent>

{follicleBands.map((band) => (

<SelectItem key={band} value={band}>{band}</SelectItem>

))}

</SelectContent>

</Select>

<Button onClick={calculateProbability}>Calculate</Button>

{result && <p className="text-lg font-semibold mt-2">{result}</p>}

</CardContent>

</Card>

</div>

);

}