**Crud application**

import './App.css';

import {useEffect,useState} from "react"

import Axios from "axios"

function App() {

//for getting the input from the text field

const [users,setUsers] = useState([]);

const [id,setId] = useState("");

const[name,setName] = useState("");

const[updated,setUpdated] = useState({id:"", name:""});

// const [users,setUsers] = useState([]); //dummy empty array to get the value and check

useEffect(() => {

loadData();

},[]);

//get user from API

const loadData = async () => {

const response = await Axios.get('http://localhost:3003/users');

console.log(response.data);

setUsers(response.data) //to pass the fetched data

}

//Add user

const AddUser = (e) => {

Axios.post('http://localhost:3003/users', {

id,name

}).then(() => {

setId(""); setName(""); //clears the input box once values are posted

}).catch((err)=> {

console.log(err);

})

setTimeout(()=>

{

loadData();

},5000)

}

//delete user

const deleteUser = (id) => {

Axios.delete(http://localhost:3003/users/${id});

setTimeout(() => {

loadData()

},500)

}

//update user

const updateUser = () => {

Axios.put(http://localhost:3003/users/${updated.id},

{

id:updated.id, name:updated.name

}).then((response) => {

console.log(response);

}).catch((e) => {console.log(e)})

setTimeout(() => {

loadData()

}, 500);

}

return (

<div className="App">

<input placeholder='Enter ID' value={id} onChange={e => setId(e.target.value)}/>

<input placeholder='Enter Name' value={name} onChange={e => setName(e.target.value)} />

<button onClick = {AddUser}>Add</button>

{

users.map(e => (

<div key={e.id}>

{e.id} {e.name} <button onClick={() => {deleteUser(e.id)}}>Delete</button>

<input type="text" placeholder='Enter updated ID' onChange={e => setUpdated({...updated, id:e.target.value})} />

<input type="text" placeholder='Enter updated Name' onChange={e => setUpdated({...updated, name:e.target.value})} />

<button onClick={updateUser}>Update</button>

</div>

))

}

</div>

);

}

export default App;

Form filling

import React, { useState } from 'react';

export default function PaymentCalculator() {

const [premiumAmount, setPremiumAmount] = useState(1000);

const [paymentMode, setPaymentMode] = useState('debit');

const [creditScore, setCreditScore] = useState(0);

const [serviceCharge, setServiceCharge] = useState(0);

const [totalAmount, setTotalAmount] = useState(0);

const [summary, setSummary] = useState('');

const calculatePayment = () => {

let serviceRate = 0;

switch (paymentMode) {

case 'debit':

serviceRate = 0.02;

break;

case 'credit':

serviceRate = 0.07;

break;

case 'gpay':

serviceRate = 0.05;

break;

default:

serviceRate = 0;

}

let charge = premiumAmount \* serviceRate;

let total = premiumAmount + charge;

if (paymentMode === 'credit' && creditScore > 100) {

const discount = total \* 0.05;

total -= discount;

}

setServiceCharge(charge.toFixed(2));

setTotalAmount(total.toFixed(2));

setSummary(`Dear Customer,

Premium amount: Rs. ${premiumAmount}

Service charge: Rs. ${charge.toFixed(2)} (${paymentMode})

Total amount paid: Rs. ${total.toFixed(2)}`);

};

return (

<div className="p-6 max-w-xl mx-auto bg-white rounded-xl shadow-md space-y-4">

<h2 className="text-xl font-bold">LIC Premium Payment</h2>

<label className="block">

Premium Amount (Rs.):

<input

type="number"

value={premiumAmount}

onChange={(e) => setPremiumAmount(Number(e.target.value))}

className="block w-full mt-1 border p-2 rounded"

/>

</label>

<label className="block">

Credit Score:

<input

type="number"

value={creditScore}

onChange={(e) => setCreditScore(Number(e.target.value))}

className="block w-full mt-1 border p-2 rounded"

/>

</label>

<label className="block">

Select Payment Mode:

<select

value={paymentMode}

onChange={(e) => setPaymentMode(e.target.value)}

className="block w-full mt-1 border p-2 rounded"

>

<option value="debit">Debit Card (2%)</option>

<option value="credit">Credit Card (7%)</option>

<option value="gpay">GPay (5%)</option>

</select>

</label>

<button

onClick={calculatePayment}

className="bg-blue-600 text-white px-4 py-2 rounded"

>

Calculate Payment

</button>

{summary && (

<div className="mt-4 p-4 border rounded bg-gray-100 whitespace-pre-line">

{summary}

</div>

)}

   </div>

  );

}

DragandDrop