// App.js

import React, {useState} from 'react';

import ReactDOM from 'react-dom';

import {AddMedicationForm} from './components/AddMedicationForm';

import {Medication} from './components/Medication';

import {generateId, getNewExpirationTime} from './components/utilities';

import logo from './logo.jpg';

import './App.css';

export default function App() {

  //Initialize state

  const [medication, setMedication] = useState([

    {

      id: generateId(),

      text: 'Add new medication',

      expiresAt: getNewExpirationTime(),

    },

    {

      id: generateId(),

      text: 'They will be removed after 10 seconds',

      expiresAt: getNewExpirationTime(),

    },

  ]);

  // Add new medication to back of array

  const addMedication = (medication) => {

    setMedication(medication => [...medication, medication]);

  }

  //Remove medication when close button clicked

  const removeMedication = (medicationIdToRemove) => {

    setMedication(prev => prev.filter(medication => (medication.id !== medicationIdToRemove)))

  }

  return (

    <div className='App'>

      <div className='header'>

        <span className="logo">

          <img src={logo} alt="logo" height={40} width={140}></img>

        </span>

        <span className="login">Log In</span><br />

        <h1>Medication Order List</h1>

      </div>

      <div className='main'>

        <AddMedicationForm addMedication={addMedication}/>

        <ul className='medication'>

          {medication.map((medication) => (

            <Medication key={medication.id} medication={medication} removeMedication={removeMedication}/>

          ))}

        </ul>

      </div>

    </div>

  );

}

ReactDOM.render(<App />, document.getElementById('root'));

// AddMedicationForm.js

import React, {useState} from 'react';

import {generateId, getNewExpirationTime} from './utilities';

export function AddMedicationForm(props) {

    const [text, setText] = useState('');

    // When user starts typing in input field

    const handleTextChange = ({target}) => {

        setText(target.value);

    }

    // When order button is clicked

    const handleSubmit = (event) => {

        event.preventDefault();

        const medication = {

            id: generateId(),

            text: text,

            expiresAt: getNewExpirationTime(),

        }

        if (text.length > 0) {

        props.addMedication(medication);

        setText('');

        }

    }

    return (

        <form className='AddMedicationForm'>

            <input

            type='text'

            aria-label='Select your medication'

            placeholder='Select your medication'

            value={text}

            onChange={handleTextChange}

            />

            <input type='submit' value='Order' onClick={handleSubmit}/>

        </form>

    );

}

//if (!text)

// Medication.js

import React, {useEffect} from 'react';

export function Medication(props) {

    const {medication, removeMedication} = props;

    // Remove medication when button clicked

    const handleRemoveClick = () => {

        removeMedication(medication.id);

        alert('Cancel order?')

    };

    useEffect(() => {

        const timeRemaining = medication.expiresAt - Date.now();

        // Expiration time - Current time = Time Remaining

        // Remove medication when time runs out

        const timeout = setTimeout(() => {

            removeMedication(medication.id)

        }, timeRemaining)

        // Effect cleared after medication removed

        return () => {clearTimeout(timeout)}

    }, [medication, removeMedication])

    return (

        <li className="Medication">

            <div className="text">{medication.text}

            <span className="view-remove">

            <button className="view-order">

                View Order

            </button>

            <button

            aria-label="Remove medication"

            className="remove-medication"

            onClick={handleRemoveClick}

            >

              X

            </button>

            </span>

            </div>

        </li>

    )

}

// Set new expiration time of 10s

export function getNewExpirationTime() {

    return Date.now() + 10 \* 1000;

}

// Generate new id

let nextId = 0;

export function generateId() {

    const result = nextId;

    nextId += 1;

    return result;

}