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import React, { useState, useEffect } from 'react';
import { Truck, Package, MapPin, Calendar, DollarSign, MessageSquare, Bell, User, Logout,
Search, Filter, Clock, CheckCircle, TrendingUp } from 'lucide-react';

const LogisticsApp = () => {
  const [currentUser, setCurrentUser] = useState(null);
  const [activeTab, setActiveTab] = useState('dashboard');
  const [showLogin, setShowLogin] = useState(true);
  const [userType, setUserType] = useState('transport');

  // Sample data
  const [shipments, setShipments] = useState([
    { id: 1, type: 'Electronics', weight: '500kg', pickup: 'Mumbai', delivery: 'Delhi', deadline:
'2025-12-05', status: 'pending', price: 15000 },
    { id: 2, type: 'Furniture', weight: '1000kg', pickup: 'Bangalore', delivery: 'Chennai', deadline:
'2025-12-03', status: 'pending', price: 12000 },
    { id: 3, type: 'Textiles', weight: '750kg', pickup: 'Surat', delivery: 'Kolkata', deadline: '2025-12-07',
status: 'in_transit', price: 18000 }
  ]);

  const [vehicles, setVehicles] = useState([
    { id: 1, owner: 'Raj Transport', type: 'Container Truck', capacity: '2000kg', route: 'Mumbai-Delhi',
price: 20000, available: true },
    { id: 2, owner: 'Express Logistics', type: 'Tempo', capacity: '500kg', route: 'Bangalore-Chennai',
price: 8000, available: true },
    { id: 3, owner: 'Swift Carriers', type: 'Truck', capacity: '1500kg', route: 'Pan India', price: 15000,
available: true }
  ]);

  const [bookings, setBookings] = useState([]);
  const [notifications, setNotifications] = useState([
    { id: 1, text: 'New booking request for shipment #1', time: '10 mins ago', read: false },
    { id: 2, text: 'Payment received for booking #2', time: '1 hour ago', read: false }
  ]);

  const handleLogin = () => {
    setCurrentUser({
      name: userType === 'transport' ? 'Transport Owner' : 'Goods Manager',
      type: userType,
      id: Math.random().toString(36).substr(2, 9)
    });
    setShowLogin(false);
  };

  const handleLogout = () => {
    setCurrentUser(null);
    setShowLogin(true);
    setActiveTab('dashboard');
  };

  const handleBooking = (shipmentId, vehicleId) => {
    const shipment = shipments.find(s => s.id === shipmentId);
    const vehicle = vehicles.find(v => v.id === vehicleId);

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const newBooking = {
  id: bookings.length + 1,
  shipmentId,
  vehicleId,
  shipment,
  vehicle,
  status: 'confirmed',
  trackingId: TRK$(Date.now()),
  bookedAt: new Date().toISOString()
};

setBookings([...bookings, newBooking]);
setShipments(shipments.map(s =>
  s.id === shipmentId ? { ...s, status: 'booked' } : s
));

alert('Booking confirmed! Tracking ID: ' + newBooking.trackingId);
};

const DashboardView = () => (
  <div className="space-y-6">
    <div className="grid grid-cols-1 md:grid-cols-4 gap-4">
      <div className="bg-gradient-to-br from-blue-500 to-blue-600 rounded-xl p-6 text-white">
        <div className="flex items-center justify-between">
          <div>
            <p className="text-blue-100 text-sm">Total Shipments</p>
            <h3 className="text-3xl font-bold mt-2">{shipments.length}</h3>
          </div>
          <Package className="w-12 h-12 opacity-80" />
        </div>
      </div>

      <div className="bg-gradient-to-br from-green-500 to-green-600 rounded-xl p-6 text-white">
        <div className="flex items-center justify-between">
          <div>
            <p className="text-green-100 text-sm">Active Bookings</p>
            <h3 className="text-3xl font-bold mt-2">{bookings.length}</h3>
          </div>
          <CheckCircle className="w-12 h-12 opacity-80" />
        </div>
      </div>

      <div className="bg-gradient-to-br from-purple-500 to-purple-600 rounded-xl p-6 text-white">
        <div className="flex items-center justify-between">
          <div>
            <p className="text-purple-100 text-sm">Available Vehicles</p>
            <h3 className="text-3xl font-bold mt-2">{vehicles.filter(v => v.available).length}</h3>
          </div>
          <Truck className="w-12 h-12 opacity-80" />
        </div>
      </div>

      <div className="bg-gradient-to-br from-orange-500 to-orange-600 rounded-xl p-6 text-white">
        <div className="flex items-center justify-between">
          <div>
            <p className="text-orange-100 text-sm">Total Revenue</p>

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    <h3 className="text-3xl font-bold mt-2">₹45K</h3>
  </div>
  <TrendingUp className="w-12 h-12 opacity-80" />
</div>
</div>

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<div className="grid grid-cols-1 lg:grid-cols-2 gap-6">
  <div className="bg-white rounded-xl shadow-lg p-6">
    <h3 className="text-lg font-bold mb-4 flex items-center">
      <Clock className="w-5 h-5 mr-2 text-blue-600" />
      Recent Activity
    </h3>
    <div className="space-y-3">
      {notifications.slice(0, 5).map(notif => (
        <div key={notif.id} className="flex items-start p-3 bg-gray-50 rounded-lg">
          <Bell className="w-5 h-5 text-blue-600 mr-3 mt-0.5" />
          <div className="flex-1">
            <p className="text-sm text-gray-800">{notif.text}</p>
            <p className="text-xs text-gray-500 mt-1">{notif.time}</p>
          </div>
        </div>
      ))}
    </div>
  </div>
</div>

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<div className="bg-white rounded-xl shadow-lg p-6">
  <h3 className="text-lg font-bold mb-4 flex items-center">
    <MapPin className="w-5 h-5 mr-2 text-green-600" />
    Active Shipments
  </h3>
  <div className="space-y-3">
    {shipments.filter(s => s.status === 'in_transit').map(shipment => (
      <div key={shipment.id} className="p-3 bg-green-50 rounded-lg border border-green-200">
        <div className="flex justify-between items-start">
          <div>
            <p className="font-semibold text-gray-800">{shipment.type}</p>
            <p className="text-sm text-gray-600 mt-1">{shipment.pickup} ↔ {shipment.delivery}</p>
          </div>
          <span className="text-xs bg-green-600 text-white px-2 py-1 rounded-full">In Transit</span>
        </div>
      </div>
    ))}
  </div>
</div>
</div>
);

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const ShipmentsView = () => (
  <div className="space-y-6">
    <div className="flex justify-between items-center">
      <h2 className="text-2xl font-bold">Available Shipments</h2>

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{currentUser?.type === 'goods' && (
  <button className="bg-blue-600 text-white px-6 py-2 rounded-lg hover:bg-blue-700
transition">
    + Post New Shipment
  </button>
)}
</div>

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<div className="flex gap-4">
  <div className="flex-1 relative">
    <Search className="absolute left-3 top-3 text-gray-400 w-5 h-5" />
    <input
      type="text"
      placeholder="Search shipments..."
      className="w-full pl-10 pr-4 py-2 border border-gray-300 rounded-lg focus:ring-2
focus:ring-blue-500 focus:border-transparent"
    />
  </div>
  <button className="flex items-center gap-2 px-4 py-2 border border-gray-300 rounded-lg
hover:bg-gray-50">
    <Filter className="w-5 h-5" />
    Filters
  </button>
</div>

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<div className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-6">
  {shipments.map(shipment => (
    <div key={shipment.id} className="bg-white rounded-xl shadow-lg overflow-hidden
hover:shadow-xl transition">
      <div className="bg-gradient-to-r from-blue-600 to-blue-700 p-4">
        <div className="flex justify-between items-start">
          <div>
            <h3 className="text-white font-bold text-lg">{shipment.type}</h3>
            <p className="text-blue-100 text-sm">{shipment.weight}</p>
          </div>
          <span className={`px-3 py-1 rounded-full text-xs font-semibold ${
            shipment.status === 'pending' ? 'bg-yellow-400 text-yellow-900' :
            shipment.status === 'booked' ? 'bg-green-400 text-green-900' :
            'bg-blue-400 text-blue-900'
          }`}>
            {shipment.status.replace('_', ' ').toUpperCase()}
          </span>
        </div>
      </div>
    </div>
  )}>
</div>

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<div className="p-4 space-y-3">
  <div className="flex items-center text-gray-700">
    <MapPin className="w-4 h-4 mr-2 text-blue-600" />
    <span className="text-sm">{shipment.pickup} → {shipment.delivery}</span>
  </div>

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<div className="flex items-center text-gray-700">
  <Calendar className="w-4 h-4 mr-2 text-blue-600" />
  <span className="text-sm">Deadline: {shipment.deadline}</span>
</div>

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<div className="flex items-center text-gray-700">
  <DollarSign className="w-4 h-4 mr-2 text-green-600" />
  <span className="text-sm font-semibold text-green-600">
    ₹{shipment.price.toLocaleString()}</span>
  </div>

  {currentUser?.type === 'transport' && shipment.status === 'pending' && (
    <button
      onClick={() => handleBooking(shipment.id, vehicles[0].id)}
      className="w-full bg-blue-600 text-white py-2 rounded-lg hover:bg-blue-700 transition
mt-3"
    >
      Place Bid
    </button>
  )}
</div>
</div>
));
</div>
</div>
);
```

```
const VehiclesView = () => (
  <div className="space-y-6">
    <div className="flex justify-between items-center">
      <h2 className="text-2xl font-bold">Available Vehicles</h2>
      {currentUser?.type === 'transport' && (
        <button className="bg-green-600 text-white px-6 py-2 rounded-lg hover:bg-green-700
transition">
          + Add Vehicle
        </button>
      )}
    </div>
  </div>
)
```

```
<div className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-6">
  {vehicles.map(vehicle => (
    <div key={vehicle.id} className="bg-white rounded-xl shadow-lg overflow-hidden
hover:shadow-xl transition">
      <div className="bg-gradient-to-r from-green-600 to-green-700 p-4">
        <div className="flex items-center justify-between">
          <Truck className="w-12 h-12 text-white" />
          {vehicle.available && (
            <span className="bg-green-400 text-green-900 px-3 py-1 rounded-full text-xs font-
semibold">
              Available
            </span>
          )}
        </div>
      </div>
    </div>

    <div className="p-4 space-y-3">
      <h3 className="font-bold text-lg text-gray-800">{vehicle.type}</h3>
      <p className="text-sm text-gray-600">{vehicle.owner}</p>
    </div>
  )
}
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semibold">

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<div className="space-y-2">
  <div className="flex justify-between text-sm">
    <span className="text-gray-600">Capacity:</span>
    <span className="font-semibold">{vehicle.capacity}</span>
  </div>

  <div className="flex justify-between text-sm">
    <span className="text-gray-600">Route:</span>
    <span className="font-semibold">{vehicle.route}</span>
  </div>

  <div className="flex justify-between text-sm">
    <span className="text-gray-600">Rate:</span>
    <span className="font-semibold text-green-600">₹{vehicle.price.toLocaleString()}</
span>
  </div>
</div>

{currentUser?.type === 'goods' && (
  <button className="w-full bg-green-600 text-white py-2 rounded-lg hover:bg-green-700
transition mt-3">
    Book Now
  </button>
)}
</div>
</div>
)}}
</div>
</div>
);

const BookingsView = () => (
  <div className="space-y-6">
    <h2 className="text-2xl font-bold">My Bookings</h2>

    {bookings.length === 0 ? (
      <div className="bg-white rounded-xl shadow-lg p-12 text-center">
        <Package className="w-16 h-16 mx-auto text-gray-300 mb-4" />
        <p className="text-gray-500">No bookings yet</p>
      </div>
    ) : (
      <div className="space-y-4">
        {bookings.map(booking => (
          <div key={booking.id} className="bg-white rounded-xl shadow-lg p-6">
            <div className="flex justify-between items-start mb-4">
              <div>
                <h3 className="font-bold text-lg">Booking #{booking.id}</h3>
                <p className="text-sm text-gray-600">Tracking: {booking.trackingId}</p>
              </div>
              <span className="bg-green-100 text-green-800 px-3 py-1 rounded-full text-sm font-
semibold">
                {booking.status.toUpperCase()}
              </span>
            </div>

            <div className="grid grid-cols-1 md:grid-cols-2 gap-6">

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<div>
  <h4 className="font-semibold text-gray-700 mb-2">Shipment Details</h4>
  <div className="space-y-2 text-sm">
    <p><span className="text-gray-600">Type:</span> {booking.shipment.type}</p>
    <p><span className="text-gray-600">Weight:</span> {booking.shipment.weight}</p>
    <p><span className="text-gray-600">Route:</span> {booking.shipment.pickup}
{booking.shipment.delivery}</p>
  </div>
</div>

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<div>
  <h4 className="font-semibold text-gray-700 mb-2">Vehicle Details</h4>
  <div className="space-y-2 text-sm">
    <p><span className="text-gray-600">Type:</span> {booking.vehicle.type}</p>
    <p><span className="text-gray-600">Owner:</span> {booking.vehicle.owner}</p>
    <p><span className="text-gray-600">Price:</span>
₹{booking.vehicle.price.toLocaleString()}</p>
  </div>
</div>
</div>

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<div className="flex gap-3 mt-4">
  <button className="flex-1 bg-blue-600 text-white py-2 rounded-lg hover:bg-blue-700
transition flex items-center justify-center gap-2">
    <MapPin className="w-4 h-4" />
    Track Shipment
  </button>
  <button className="flex-1 bg-gray-100 text-gray-700 py-2 rounded-lg hover:bg-gray-200
transition flex items-center justify-center gap-2">
    <MessageSquare className="w-4 h-4" />
    Chat
  </button>
</div>
</div>
)))
</div>
)}
</div>
);

```

```

if (showLogin) {
  return (
    <div className="min-h-screen bg-gradient-to-br from-blue-600 via-blue-700 to-purple-800 flex
items-center justify-center p-4">
      <div className="bg-white rounded-2xl shadow-2xl w-full max-w-md overflow-hidden">
        <div className="bg-gradient-to-r from-blue-600 to-purple-600 p-8 text-white text-center">
          <Truck className="w-16 h-16 mx-auto mb-4" />
          <h1 className="text-3xl font-bold">Logistics Hub</h1>
          <p className="text-blue-100 mt-2">Connect. Transport. Deliver.</p>
        </div>

        <div className="p-8 space-y-6">
          <div>
            <label className="block text-sm font-semibold text-gray-700 mb-2">I am a:</label>
            <div className="grid grid-cols-2 gap-3">
              <button

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        onClick={() => setUserType('transport')}
        className={p-4 rounded-lg border-2 transition ${
            userType === 'transport'
            ? 'border-blue-600 bg-blue-50'
            : 'border-gray-300 hover:border-gray-400'
        }}
    >
        <Truck className={w-8 h-8 mx-auto mb-2 ${userType === 'transport' ? 'text-blue-600' :
'text-gray-400'}} />
        <p className={text-sm font-semibold ${userType === 'transport' ? 'text-blue-600' : 'text-
gray-600'}}>
            Transport Owner
        </p>
    </button>

    <button
        onClick={() => setUserType('goods')}
        className={p-4 rounded-lg border-2 transition ${
            userType === 'goods'
            ? 'border-green-600 bg-green-50'
            : 'border-gray-300 hover:border-gray-400'
        }}
    >
        <Package className={w-8 h-8 mx-auto mb-2 ${userType === 'goods' ? 'text-green-600' :
'text-gray-400'}} />
        <p className={text-sm font-semibold ${userType === 'goods' ? 'text-green-600' : 'text-
gray-600'}}>
            Goods Manager
        </p>
    </button>
</div>
</div>

<div>
    <label className="block text-sm font-semibold text-gray-700 mb-2">Email</label>
    <input
        type="email"
        className="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2 focus:ring-
blue-500 focus:border-transparent"
        placeholder="your@email.com"
    />
</div>

<div>
    <label className="block text-sm font-semibold text-gray-700 mb-2">Password</label>
    <input
        type="password"
        className="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2 focus:ring-
blue-500 focus:border-transparent"
        placeholder="....."
    />
</div>

<button
    onClick={handleLogin}
    className="w-full bg-gradient-to-r from-blue-600 to-purple-600 text-white py-3 rounded-lg

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font-semibold hover:from-blue-700 hover:to-purple-700 transition"
    >
      Login
    </button>

    <p className="text-center text-sm text-gray-600">
      Don't have an account? <a href="#" className="text-blue-600 font-semibold
hover:underline">Sign up</a>
    </p>
  </div>
</div>
</div>
);
}

return (
  <div className="min-h-screen bg-gray-50">
    { /* Header */ }
    <header className="bg-white shadow-sm border-b border-gray-200">
      <div className="max-w-7xl mx-auto px-4 sm:px-6 lg:px-8">
        <div className="flex justify-between items-center py-4">
          <div className="flex items-center">
            <Truck className="w-8 h-8 text-blue-600 mr-3" />
            <h1 className="text-2xl font-bold text-gray-900">Logistics Hub</h1>
          </div>

          <div className="flex items-center gap-4">
            <button className="relative p-2 text-gray-600 hover:bg-gray-100 rounded-lg">
              <Bell className="w-6 h-6" />
              <span className="absolute top-1 right-1 w-2 h-2 bg-red-500 rounded-full"></span>
            </button>

            <div className="flex items-center gap-3 pl-4 border-l border-gray-200">
              <div className="text-right">
                <p className="text-sm font-semibold text-gray-900">{currentUser?.name}</p>
                <p className="text-xs text-gray-500 capitalize">{currentUser?.type}</p>
              </div>
              <button
                onClick={handleLogout}
                className="p-2 text-gray-600 hover:bg-gray-100 rounded-lg"
              >
                <LogOut className="w-5 h-5" />
              </button>
            </div>
          </div>
        </div>
      </div>
    </header>

    <div className="max-w-7xl mx-auto px-4 sm:px-6 lg:px-8 py-8">
      { /* Navigation Tabs */ }
      <div className="bg-white rounded-xl shadow-sm p-2 mb-8 flex gap-2">
        <button
          onClick={() => setActiveTab('dashboard')}
          className={ flex-1 py-3 px-4 rounded-lg font-semibold transition ${

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      activeTab === 'dashboard'
      ? 'bg-blue-600 text-white'
      : 'text-gray-600 hover:bg-gray-100'
    }}
  >
    Dashboard
  </button>
  <button
    onClick={() => setActiveTab('shipments')}
    className={`flex-1 py-3 px-4 rounded-lg font-semibold transition ${
      activeTab === 'shipments'
        ? 'bg-blue-600 text-white'
        : 'text-gray-600 hover:bg-gray-100'
    }`}
  >
    Shipments
  </button>
  <button
    onClick={() => setActiveTab('vehicles')}
    className={`flex-1 py-3 px-4 rounded-lg font-semibold transition ${
      activeTab === 'vehicles'
        ? 'bg-blue-600 text-white'
        : 'text-gray-600 hover:bg-gray-100'
    }`}
  >
    Vehicles
  </button>
  <button
    onClick={() => setActiveTab('bookings')}
    className={`flex-1 py-3 px-4 rounded-lg font-semibold transition ${
      activeTab === 'bookings'
        ? 'bg-blue-600 text-white'
        : 'text-gray-600 hover:bg-gray-100'
    }`}
  >
    Bookings
  </button>
</div>

```

```

  { /* Content Area */ }
  {activeTab === 'dashboard' && <DashboardView />}
  {activeTab === 'shipments' && <ShipmentsView />}
  {activeTab === 'vehicles' && <VehiclesView />}
  {activeTab === 'bookings' && <BookingsView />}
</div>
</div>
);
};

```

```

export default LogisticsApp;

```