

LAPORAN AKHIR PRAKTIKUM

Mata Praktikum : Rekayasa Perangkat Lunak2
Kelas : 4IA24
Praktikum ke- : 1
Tanggal : 14 oktober 2024
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Ketua Asisten :
Nama Asisten :
Paraf Asisten :
Jumlah Lembar : 4 (empat)



LABORATORIUM TEKNIK INFORMATIKA

UNIVERSITAS GUNADARMA

2024

LISTING

```
import React, { useState } from 'react';

// Login Component
const Login = ({ onLogin }) => {
  const [username, setUsername] = useState('');
  const [password, setPassword] = useState('');

  const handleLogin = (e) => {
    e.preventDefault();
    // In a real application, you would validate credentials here
    onLogin(username);
  };

  return (
    <div className="flex items-center justify-center h-screen bg-gray-100">
      <form onSubmit={handleLogin} className="bg-white p-8 rounded shadow-md">
        <h2 className="text-2xl font-bold mb-4">Login to Capital HR</h2>
        <input
          type="text"
          placeholder="Username"
          value={username}
          onChange={(e) => setUsername(e.target.value)}
          className="w-full p-2 mb-4 border rounded"
        />
        <input
          type="password"
          placeholder="Password"
          value={password}
          onChange={(e) => setPassword(e.target.value)}
          className="w-full p-2 mb-4 border rounded"
        />
        <button type="submit" className="w-full bg-blue-500 text-white p-2 rounded">
          Login
        </button>
      </form>
    </div>
  );
};

// Homepage Component
const Homepage = ({ user, isAdmin }) => {
  const [searchId, setSearchId] = useState('');
  const [employeeInfo, setEmployeeInfo] = useState(null);

  const handleSearch = () => {
    // In a real application, you would fetch employee data here
    setEmployeeInfo({
      id: searchId,
      name: 'John Doe',
      department: 'IT',
      position: 'Software Developer',
    });
  };

  const UserHomepage = () => {
    <div>
      <h2 className="text-2xl font-bold mb-4">Welcome, {user}</h2>
      <div className="mb-4">
        <input
          type="text"
          placeholder="Search by Employee ID"
          value={searchId}
          onChange={(e) => setSearchId(e.target.value)}
          className="p-2 border rounded mr-2"
        />
        <button onClick={handleSearch} className="bg-blue-500 text-white p-2 rounded">
          Search
        </button>
      </div>
      {employeeInfo && (
        <div className="bg-gray-100 p-4 rounded">
          <h3 className="font-bold">Employee Information</h3>
          <p>ID: {employeeInfo.id}</p>
          <p>Name: {employeeInfo.name}</p>
          <p>Department: {employeeInfo.department}</p>
          <p>Position: {employeeInfo.position}</p>
        </div>
      )}
    <nav className="mt-4">
      <ul className="flex space-x-4">
```

```

        <li><a href="#" className="text-blue-500">My Profile</a></li>
        <li><a href="#" className="text-blue-500">Company Calendar</a></li>
        <li><a href="#" className="text-blue-500">Leave Balance</a></li>
        <li><a href="#" className="text-blue-500">Contact Scheduling</a></li>
      </ul>
    </nav>
  </div>
);

const AdminHomepage = () => (
  <div>
    <h2 className="text-2xl font-bold mb-4">Admin Dashboard</h2>
    <div className="mb-4">
      <input
        type="text"
        placeholder="Search by Employee ID"
        value={searchId}
        onChange={(e) => setSearchId(e.target.value)}
        className="p-2 border rounded mr-2"
      />
      <button onClick={handleSearch} className="bg-blue-500 text-white p-2 rounded">
        Search
      </button>
    </div>
    {employeeInfo && (
      <div className="bg-gray-100 p-4 rounded">
        <div className="bg-gray-100 p-4 rounded">
          <h3 className="font-bold">Employee Information</h3>
          <p>ID: {employeeInfo.id}</p>
          <p>Name: {employeeInfo.name}</p>
          <p>Department: {employeeInfo.department}</p>
          <p>Position: {employeeInfo.position}</p>
          <button className="bg-green-500 text-white p-2 rounded mt-2">
            Edit Employee Data
          </button>
        </div>
      </div>
    )}
    <nav className="mt-4">
      <ul className="flex space-x-4">
        <li><a href="#" className="text-blue-500">Manage Employees</a></li>
        <li><a href="#" className="text-blue-500">Schedule Management</a></li>
        <li><a href="#" className="text-blue-500">Reports</a></li>
      </ul>
    </nav>
  </div>
);

return (
  <div className="p-8">
    {isAdmin ? <AdminHomepage /> : <UserHomepage />}
  </div>
);
);

```

```
// Main App Component
const CapitalHRAApp = () => {
  const [user, setUser] = useState(null);
  const [isAdmin, setIsAdmin] = useState(false);

  const handleLogin = (username) => {
    setUser(username);
    setIsAdmin(username.toLowerCase().includes('admin'));
  };

  return (
    <div>
      {user ? (
        <Homepage user={user} isAdmin={isAdmin} />
      ) : (
        <Login onLogin={handleLogin} />
      )}
    </div>
  );
};

export default CapitalHRAApp;
```

```
import React from 'react';
```

```
const AboutPage = () => {
  return (
    <div className="container mx-auto px-4 py-8">
      <h1 className="text-3xl font-bold mb-6">About Capital HR</h1>

      <section className="mb-8">
        <h2 className="text-2xl font-semibold mb-4">Our Company</h2>
        <p className="mb-4">
          Capital HR is a leading provider of human resource management solutions.
          We are dedicated to empowering businesses and their employees through
          innovative HR technologies and services.
        </p>
        <p className="mb-4">
          Our mission is to streamline HR processes, enhance employee engagement,
          and drive organizational success through effective people management.
        </p>
      </section>

      <section className="mb-8">
        <h2 className="text-2xl font-semibold mb-4">For Employees</h2>
        <p className="mb-4">
          As an employee, you have access to a range of services and support through our platform:
        </p>
        <ul className="list-disc list-inside mb-4">
          <li>View and update your personal information</li>
          <li>Check your attendance and leave balance</li>
          <li>Access company policies and procedures</li>
          <li>Participate in performance reviews</li>
          <li>Enroll in training programs</li>
        </ul>
        <p className="mb-4">
          For any questions or assistance, please contact your HR representative.
        </p>
      </section>

      <section className="mb-8">
        <h2 className="text-2xl font-semibold mb-4">For HR Management</h2>
        <p className="mb-4">
          Our platform provides powerful tools for HR professionals to manage the workforce effectively:
        </p>
        <ul className="list-disc list-inside mb-4">
          <li>Comprehensive employee database management</li>
          <li>Automated payroll and benefits administration</li>
          <li>Performance management and review systems</li>
          <li>Recruitment and onboarding tools</li>
          <li>Advanced reporting and analytics</li>
        </ul>
        <p className="mb-4">
          For system support or to suggest improvements, please contact our IT department.
        </p>
      </section>
    </div>
  );
};
```

```

<section className="mb-8">
  <h2 className="text-2xl font-semibold mb-4">Contact Information</h2>
  <div className="grid grid-cols-1 md:grid-cols-2 gap-4">
    <div>
      <h3 className="text-xl font-semibold mb-2">General Inquiries</h3>
      <p>Email: <a href="mailto:info@capitalhr.com" className="text-blue-500 hover:underline">info@capital
      <p>Phone: <a href="tel:+1234567890" className="text-blue-500 hover:underline">+1 (234) 567-890</a></
    </div>
    <div>
      <h3 className="text-xl font-semibold mb-2">HR Department</h3>
      <p>Email: <a href="mailto:hr@capitalhr.com" className="text-blue-500 hover:underline">hr@capitalhr.c
      <p>Phone: <a href="tel:+1234567891" className="text-blue-500 hover:underline">+1 (234) 567-891</a></
    </div>
    <div>
      <h3 className="text-xl font-semibold mb-2">IT Support</h3>
      <p>Email: <a href="mailto:itsupport@capitalhr.com" className="text-blue-500 hover:underline">itsuppo
      <p>Phone: <a href="tel:+1234567892" className="text-blue-500 hover:underline">+1 (234) 567-892</a></
    </div>
    <div>
      <h3 className="text-xl font-semibold mb-2">Office Address</h3>
      <p>123 HR Street, Suite 456</p>
      <p>Tech City, IN 78901</p>
    </div>
  </div>
</section>
</div>
</section>

```

```

    <h2 className="text-2xl font-semibold mb-4">Quick Links</h2>
    <ul className="list-disc list-inside">
      <li><a href="/policies" className="text-blue-500 hover:underline">Company Policies</a></li>
      <li><a href="/org-chart" className="text-blue-500 hover:underline">Organizational Chart</a></li>
      <li><a href="/faq" className="text-blue-500 hover:underline">Frequently Asked Questions</a></li>
      <li><a href="/feedback" className="text-blue-500 hover:underline">Submit Feedback</a></li>
    </ul>
  </section>
</div>
);

```

```

export default AboutPage;

```

```

import React, { useState } from 'react';
import { AlertDialog, AlertDialogAction, AlertDialogCancel, AlertDialogContent, AlertDialogDescription

const LogoutButton = ({ onLogout }) => {
  const [isOpen, setIsOpen] = useState(false);

  const handleLogout = () => {
    // Perform logout actions here (e.g., clear session, reset state)
    onLogout();
    setIsOpen(false);
  };

  return (
    <AlertDialog open={isOpen} onOpenChange={setIsOpen}>
      <AlertDialogTrigger asChild>
        <button className="text-red-500 hover:text-red-700">
          Logout
        </button>
      </AlertDialogTrigger>
      <AlertDialogContent>
        <AlertDialogHeader>
          <AlertDialogTitle>Confirm Logout</AlertDialogTitle>
          <AlertDialogDescription>
            Are you sure you want to log out? You will need to login again to access your account.
          </AlertDialogDescription>
        </AlertDialogHeader>
        <AlertDialogFooter>

```

```

        <AlertDialogCancel>Cancel</AlertDialogCancel>
        <AlertDialogAction onClick={handleLogout}>Logout</AlertDialogAction>
      </AlertDialogFooter>
    </AlertDialogContent>
  </AlertDialog>
);
};

// Example usage in a profile component
const UserProfile = ({ user, onLogout }) => {
  return (
    <div className="p-4 bg-white shadow rounded-lg">
      <h2 className="text-2xl font-bold mb-4">User Profile</h2>
      <div className="mb-4">
        <p><strong>Name:</strong> {user.name}</p>
        <p><strong>Email:</strong> {user.email}</p>
        <p><strong>Role:</strong> {user.isAdmin ? 'Admin' : 'Employee'}</p>
      </div>
      <LogoutButton onLogout={onLogout} />
    </div>
  );
};

// Main component to demonstrate usage
const App = () => {
  const [isLoggedIn, setIsLoggedIn] = useState(true);
  const user = {

```

```

    const user = {
      name: 'John Doe',
      email: 'john.doe@example.com',
      isAdmin: false
    };

    const handleLogout = () => {
      // Perform any necessary logout actions (e.g., clearing session)
      setIsLoggedIn(false);
      console.log('User logged out');
    };

    if (!isLoggedIn) {
      return <div>User logged out. Please login again.</div>;
    }

    return (
      <div className="container mx-auto mt-8">
        <UserProfile user={user} onLogout={handleLogout} />
      </div>
    );
  };
};

export default App;

```

LOGIKA

Login Component:

- Memungkinkan pengguna untuk memasukkan username dan password.
- Dalam implementasi nyata, Anda perlu menambahkan logika untuk memvalidasi kredensial.

Homepage Component:

- Terdiri dari dua sub-komponen: UserHomepage dan AdminHomepage.
- Menampilkan konten yang berbeda berdasarkan apakah pengguna adalah admin atau karyawan biasa.

UserHomepage:

- Memiliki search bar untuk mencari informasi umum karyawan berdasarkan ID.
- Menampilkan menu bar dengan tautan ke profil user, kalender aktivitas perusahaan, informasi cuti, dan kontak penjadwalan.
- Menampilkan informasi karyawan yang dicari (dalam implementasi nyata, ini akan diambil dari database).

AdminHomepage:

- Memiliki search bar untuk mencari informasi detail karyawan.
- Menampilkan informasi karyawan yang dicari dengan opsi untuk mengedit data.
- Memiliki menu untuk manajemen karyawan, manajemen jadwal, dan laporan.

Main App Component (CapitalHRApp):

- Mengelola state login dan menentukan apakah pengguna adalah admin atau bukan.
- Menampilkan komponen Login atau Homepage berdasarkan status login.

Struktur Umum:

- Komponen ini dibagi menjadi beberapa bagian (section) untuk memudahkan pembacaan dan navigasi.
- Menggunakan styling Tailwind CSS untuk tampilan yang responsif dan menarik.

Informasi Perusahaan:

- Berisi deskripsi singkat tentang Capital HR, misinya, dan layanan yang ditawarkan.

Informasi untuk Karyawan:

- Menjelaskan layanan dan fitur yang tersedia untuk karyawan/staff.
- Memberikan panduan umum tentang cara menggunakan platform.

Informasi untuk HR Management:

- Menjelaskan fitur dan alat yang tersedia untuk tim HR.
- Menyoroti kemampuan platform dalam mengelola SDM.

Informasi Kontak:

- Menyediakan informasi kontak terpisah untuk pertanyaan umum, departemen HR, dan dukungan IT.
- Setiap kontak ditampilkan sebagai tautan yang dapat diklik (email dan nomor telepon).
- Mencantumkan alamat kantor.

Tautan Cepat:

- Menyediakan tautan ke halaman-halaman penting lainnya seperti kebijakan perusahaan, bagan organisasi, FAQ, dan formulir umpan balik.

LogoutButton Component:

- Ini adalah komponen utama yang menangani proses logout.
- Menggunakan AlertDialog dari library shadcn/ui untuk membuat pop-up konfirmasi.
- Tombol logout ditampilkan sebagai teks berwarna merah yang dapat diklik.

Konfirmasi Pop-up:

- Ketika tombol logout diklik, sebuah dialog konfirmasi muncul.
- Dialog ini meminta konfirmasi dari pengguna sebelum melakukan logout.
- Pengguna dapat membatalkan atau melanjutkan proses logout.

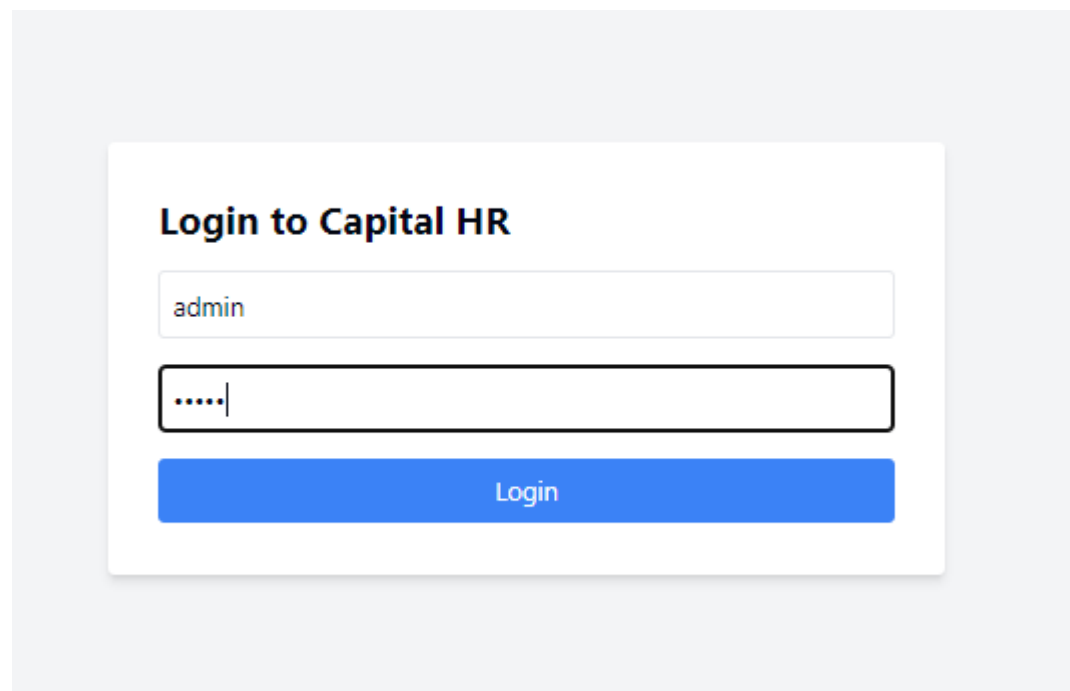
UserProfile Component:

- Ini adalah contoh komponen yang menampilkan profil pengguna.
- LogoutButton ditempatkan di dalam komponen ini, sesuai dengan kebutuhan interface yang Anda sebutkan.

App Component:

- Ini adalah komponen utama yang mendemonstrasikan penggunaan UserProfile dan LogoutButton.
- Menyimulasikan state login dan proses logout.

OUTPUT

A login form titled "Login to Capital HR" is centered on a light gray background. The form is a white rectangle with a subtle drop shadow. It contains a text input field with the value "admin", a password input field with five dots and a cursor, and a blue "Login" button.

Login to Capital HR

admin

.....|

Login

About Capital HR

Our Company

Capital HR is a leading provider of human resource management solutions. We are dedicated to empowering businesses and their employees through innovative HR technologies and services.

Our mission is to streamline HR processes, enhance employee engagement, and drive organizational success through effective people management.

For Employees

As an employee, you have access to a range of services and support through our platform:

- View and update your personal information
- Check your attendance and leave balance
- Access company policies and procedures
- Participate in performance reviews
- Enroll in training programs

For any questions or assistance, please contact your HR representative.

For HR Management

Our platform provides powerful tools for HR professionals to manage the workforce effectively:

- Comprehensive employee database management
- Automated payroll and benefits administration
- Performance management and review systems
- Recruitment and onboarding tools
- Advanced reporting and analytics

For system support or to suggest improvements, please contact our IT department.

Contact Information

General Inquiries

Email: info@capitalhr.com

Phone: +1 (234) 567-890

HR Department

Email: hr@capitalhr.com

Phone: +1 (234) 567-891

IT Support

Email: itsupport@capitalhr.com

Phone: +1 (234) 567-892

Office Address

123 HR Street, Suite 456

Tech City, IN 78901

Quick Links

- [Company Policies](#)
- [Organizational Chart](#)
- [Frequently Asked Questions](#)
- [Submit Feedback](#)

User Profile

Name: John Doe

Email: john.doe@example.com

Role: Employee

[Logout](#)