HR Portal Project

# 1. Project Summary

The HR Portal is a role-based web application built using React that supports HR and Employee roles. It allows for employee management, authentication, and leave request handling. The application is structured with reusable components, organized by function, and provides dashboards tailored to each role.

# 2. Folder & Component Structure

Key files and folders:

public/favicon.ico  
public/index.html  
public/logo192.png  
public/logo512.png  
public/manifest.json  
public/robots.txt  
src/App.css  
src/App.js  
src/App.jsx  
src/App.test.js  
src/index.css  
src/index.js  
src/logo.svg  
src/reportWebVitals.js  
src/setupTests.js  
src/components/Auth/Login.js  
src/components/Auth/Login.jsx  
src/components/Auth/Signup.js  
src/components/Auth/Signup.jsx  
src/components/common/Navbar.js  
...

# 3. Key Features

- User authentication (Login & Signup)  
- Role-based dashboards (HR vs Employee)  
- Employee leave request form and view  
- Protected routing to secure role-specific pages  
- Shared navigation components

# 4. Component Role Descriptions

- Login, Signup: Handles user login and registration.  
- Navbar, ProtectedRoute: Shared components for navigation and access control.  
- HRDashboard, EmployeeDashboard: Custom dashboards for each user role.  
- LeaveRequest, LeaveRequestForm: Employee leave management interface.  
- EmployeeForm: Possibly used by HR for employee onboarding or updates.

# 5. Basic Architecture (Text Diagram)

Frontend (React)  
 ├── Auth  
 │ ├── Login  
 │ └── Signup  
 ├── Dashboard  
 │ ├── HRDashboard  
 │ └── EmployeeDashboard  
 ├── Employee  
 │ └── LeaveRequest  
 ├── Forms  
 │ ├── EmployeeForm  
 │ └── LeaveRequestForm  
 └── Common  
 ├── Navbar  
 └── ProtectedRoute

# 6. Technologies Used

- React JS  
- JavaScript (ES6)  
- JSX  
- CSS  
- React Router DOM (assumed from ProtectedRoute)