**PROJECT STRUCTURE:**

**inventory-sales-dashboard/src/**

* **components/**
  + **auth/**
    - **SignIn.js**
    - **UserProfileDetails.js**
    - **Logout.js**
  + **layout/**
    - **Header.js**
    - **NavSidebar.js**
    - **Footer.js**
  + **vehicle/**
    - **VehicleList.js**
    - **VehicleForm.js**
    - **VehicleDetails.js**
    - **StockUpdateForm.js**
  + **sales/**
    - **SalesList.js**
    - **SalesForm.js**
    - **SalesApproval.js**
  + **employee/**
    - **EmployeeList.js**
    - **EmployeeForm.js**
  + **charts/**
    - **SalesByCategoryChart.js**
    - **StockLevelChart.js**
    - **TopSellingVehiclesChart.js**
  + **common/**
    - **Home.js**
    - **SearchBar.js**

**1. Layout Components:**

These will serve as wrappers for the different pages and roles.

* **Header.js**:
* **NavSidebar.js**:
  + A responsive navigation bar based on user roles (Admin, Inventory Manager, Sales Manager).
  + Will display different menu items on the side bar depending on the role (e.g., Vehicles, Stock, Sales, Reports).
* **Footer.js**:

**2. Vehicle Management Components:**

These will handle vehicle-related actions for viewing, adding, updating, and deleting vehicles.

* **VehicleList.js**:
  + Displays a list of all vehicles (used by Admin, Inventory Manager, Sales Manager).
* **VehicleForm.js**:
  + Form for adding or updating vehicle details and delete vehicle.
  + **Admin** can use this for adding or updating vehicles and delete vehicle.
* **VehicleDetails.js**:
  + Displays detailed information about a single vehicle. **Accessible by all users.**
* **StockUpdateForm.js**:
  + Form for updating vehicle stock.
  + Operation performed by **both admin and inventory manager**

**3. Sales Management Components:**

Manage sales quotations, approvals, and rejections.

* **SalesList.js**:
  + Displays all sales records with status: Pending, Approved, Rejected
* **SalesForm.js**:
  + Used by Sales Manager to submit a new quotation.
* **SalesApproval.js**:
  + Admin or Inventory Manager can approve or reject sales orders.

**4. Employee Management Components:**

Manage employee CRUD operations (Admin role only).

* **EmployeeList.js**:
  + Displays all employees (Inventory and Sales managers).
* **EmployeeForm.js**:
  + Form for adding or updating employee details or deleting an employee itself (Admin role).

**5. Chart Components: (MORE TO BE ADDED)**

These components will display the various charts you want to include, such as sales trends, stock levels, etc.

* **SalesByCategoryChart.js**:
  + Pie chart showing the breakdown of sales by vehicle category.
* **StockLevelChart.js**:
  + Bar chart comparing stock levels across different vehicle categories.
* **TopSellingVehiclesChart.js**:
  + Bar chart displaying the top 5 best-selling vehicles.

**6. Common Utility Components:**

Create reusable components that can be shared across different parts of the app.

* **SearchBar.js**:
  + A search component that can be used in different places to filter vehicles, employees, or sales records.
* **Home.js**:
  + Common content section for all users.

**7. Authentication and Authorization Components:**

* **Login.js**:
  + Common Login component for Inventory and Sales Manager, with logout functionality
* **UserProfileDetails.js**:
  + Details tab below the profile button, to display all details of the User.
* **Logout.js**:
  + Logout tab below the profile button, to logout and redirect to login page.

**inventory-sales-dashboard/db**

* **sales.json: PORT 5000**
* **users.json: PORT 5001**
* **vehicles.json: PORT 5002**