Requirements Specification Document

Pharmaceutical Company Management System

Team Members
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1. Project Summary

1.1 Project Overview

The main goal of this project is to create a website for managing the data of a pharmaceutical company. The website will have a login page with two options: one for company users and one for general users. Each user will get access to the parts of the website they are allowed to see and use, based on their role.

1.2 Project Scope

The scope of the Pharmaceutical Company Database project involves developing a web-based platform to manage pharmaceutical company data. It includes a homepage with login options for company and general users, directing company users to a registration or login page. The registration page collects employee details, while the login page provides secure access with a password reset option. Upon successful login, company users access a homepage featuring a professional layout with a company logo, a sticky navigation bar with links to manage medicines, dashboards, tables, updates, and contact details, and a search bar for querying medicine details. The platform ensures responsiveness, accessibility, and role-based access to relevant functionalities.

2.0 General Description

This document outlines the user interface design and product functions for a system tailored for a pharmaceutical company, focusing on company users. The system includes a responsive, interactive, and visually appealing interface with features such as login/registration, a post-login homepage, navigation, and search functionalities.

2.1 Product Functions Overview

The system provides a web-based platform for pharmaceutical company users to manage medicine-related data. Key functionalities include:

- **Company User Features**:
  - Secure login and registration with form validation.
  - A post-login homepage with a navigation bar, search bar, and dynamic content display.
  - Responsive design with hover effects, animations, and accessibility features.
  .

Types of Users/Actors
1. **Company User**: Employees of the pharmaceutical company who access the system to manage medicine data.

USER INTERFACE DESIGN
1. Company User Interface
Login Page

- **Features**:
  - A **Company User Login** button on the homepage.
  - **Hover Effects** (CSS):
    - Slight color change on hover.
    - Cursor changes to pointer.
    - Smooth transition animation.
  - **Functionality**:
    - Clicking the **Company User Login** button redirects to a new page with two buttons:
      - **Register**
      - **Login**

Company User – Register Page

- **Features**:
  - Clicking the **Register** button displays a form with:
    - Employee ID (text input)
    - Password (password input)
    - Retype Password (password input)
    - Register (submit button)
  - **Functionalities** (JavaScript):
    - Basic form validation:
      - All fields must be filled.
      - Password and retyped password must match.
    - Visual feedback for errors (e.g., red borders, alert messages).
  - **Styling & Interactivity** (CSS):
    - Hover effects for buttons.
    - Styled error messages for visibility.
    - Input focus styles for accessibility.

Company User – Login Page

- **Features**:
  - Clicking the **Login** button displays a form with:
    - Employee ID
    - Password
    - A **Reset Password** link or button.
  - **Functionalities** (JavaScript):
    - Input validation (non-empty fields).
    - Error message for incorrect input.
    - **Reset Password** option opens a modal or section for password recovery.
  - **Styling** (CSS):
    - Consistent layout with the Register page.
    - Responsive design using flexbox/grid and media queries.
    - Animated transitions for showing/hiding elements (optional).

Post-Login Home Page (for Company Users)
After successful login, users are redirected to a homepage with the following features:
1. Page Layout and Design
- **Background**:
  - Visually appealing background image or gradient (CSS).
  - Ensures professional look and content readability.
- **Company Logo**:
  - Positioned at the top left corner.
  - **Hover Effect** (CSS + JavaScript):
    - Tooltip or animated pop-up displays company information (e.g., mission, services, location).
    - Implemented using JavaScript event listeners and CSS transitions.

2. Navigation Bar
- **Features**:
  - Sticky navbar at the top, visible while scrolling.
  - **Menu Items**:
    - **Home**: Returns to the homepage.
    - **Medicine List**: Displays all medicines and details.
    - **Dashboards**: Visual summary of stock levels, sales, etc.
    - **Tables**: Structured views of medicine, supplier, and employee data.
    - **Update**: Interface to modify medicine or supplier information.
    - **Contact Details**: Page with company contact information and inquiry form.
  - **Functionalities**:
    - Hover effects on navigation links (CSS).
    - Smooth page transitions (JavaScript or internal routing).
    - Each item links to a dedicated page with relevant content.
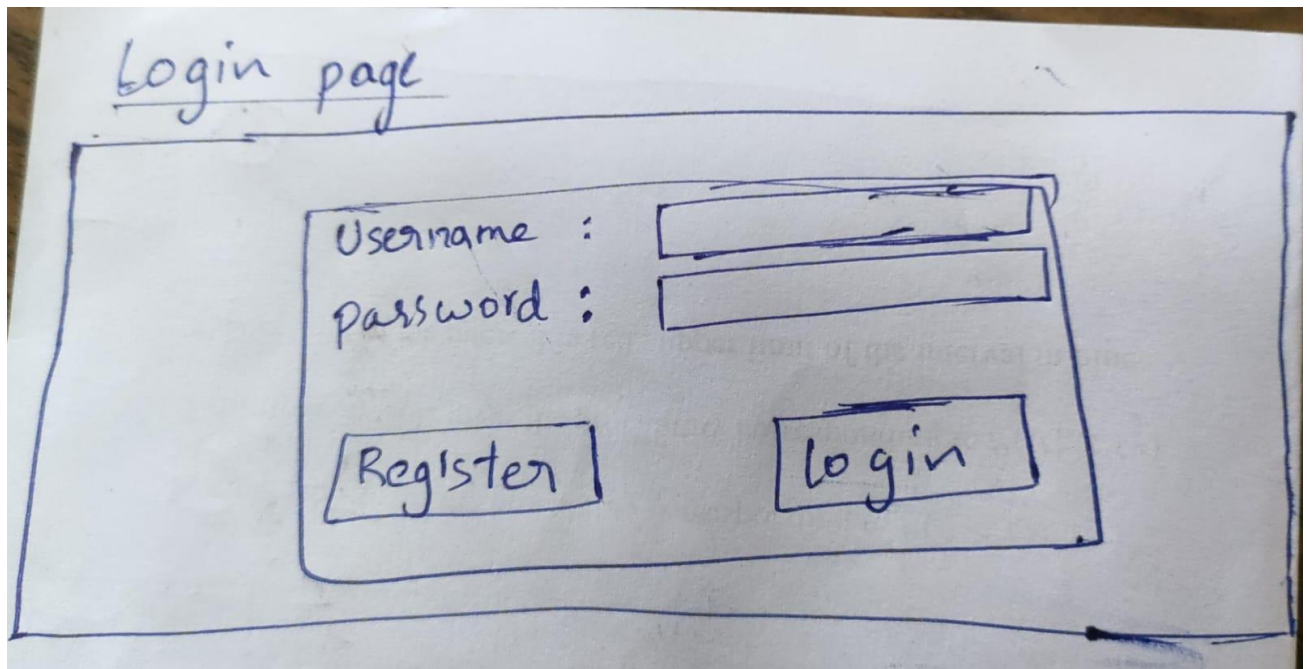
3. Search Bar
- **Features**:
  - Positioned in the header or top section.
  - **Functionality**:
    - Users can type a medicine name and search.
    - On pressing Enter or clicking the search icon:
      - JavaScript filters the medicine list or fetches data from a predefined array/database.
      - Displays medicine details (e.g., name, type, expiry date, availability, stock count).
    - Shows a "No Results Found" message if the item is unavailable.
  - **Additional Features**:
    - Auto-suggestions (optional, using JavaScript).
    - Responsive design for all screen sizes.

4. Responsiveness and User Experience Enhancements
- **Responsiveness**:
  - Uses CSS media queries and flexbox/grid for adaptability across devices.
- **JavaScript**:
  - Handles dynamic content (search results, hover info).
  - Manages page transitions and navigation interactivity.
- **CSS**:
  - Manages layout structure.
  - Applies hover/active styles for buttons and links.
  - Handles pop-ups and animations.

Team Member	Feature Ownership
Adwaith S Menon	Navbar
Nikhil Sai	Database Integration
Kundhan	Front-end Backend Integration
Tarun	Handling Login Page

User Interface

Post-login Page

| logo | Home | Medicine List | Dashboards | Tables | Update | 🔍 Search |

Company Name

tagline of the company