23AID214 – User Interface Design

Group – 11

SRS Resume

Topic : Pharmaceutical Company Database

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 for company users.

The system will include the following user interface features:

Login Page

- **A Company User Login button on the homepage.**

- **Hover Effects for this button using CSS to enhance interactivity:**

    o Slight color change on hover

    o Cursor changes to pointer

    o Smooth transition animation

- **Functionality:**

    o **When the Company User Login button is clicked, the user is redirected to a new page with two buttons:**

        ▪ **Register**

        ▪ **Login**

Company User – Register Page

- **When the Register button is clicked:**

    o **A registration form appears asking for the following:**

        ▪ Employee ID (text input)

        ▪ Password (password input)

        ▪ Retype Password (password input)

- ▪ Register (submit button)

- **Functionalities (using JavaScript):**

  - o Basic form validation:

    - ▪ All fields must be filled

    - ▪ Password and retyped password must match

  - o Visual feedback for input errors (e.g., red borders, alert messages)

- **Styling & Interactivity (CSS):**

  - o Hover effects for buttons

  - o Error messages styled for visibility

  - o Input focus styles for better accessibility

Company User – Login Page

- **When the Login button is clicked:**

  - o **A login form appears asking for:**

    - ▪ Employee ID

    - ▪ Password

    - ▪ A Reset Password link or button

- **Functionalities (JavaScript):**

  - o Input validation (non-empty fields)

  - o Show error message on wrong input

  - o Reset Password option opens a modal or separate section for password recovery

- **CSS Styling:**

  - o Consistent layout with Register page

  - o Responsive design using flexbox/grid and media queries

  - o Animated transitions for showing/hiding elements (optional)

Post-Login Home Page (for Company Users)

After successful login, the user will be redirected to a **Home Page** designed for the Company User. This page will include the following key features:

1. Page Layout and Design

- **Background**:

  - A visually appealing background image or gradient using CSS.

  - Ensures professional look and readability of content.

- **Company Logo**:

  - Positioned at the top left corner.

  - **Hover Effect (CSS + JavaScript)**:

    - When the cursor hovers over the logo, a tooltip or animated pop-up will display key information about the pharmaceutical company (e.g., mission, services, location).

    - Implemented using JavaScript event listeners and styled using CSS transitions.

2. Navigation Bar

- Located at the top of the page and remains visible while scrolling (sticky navbar).

- **Menu Items**:

  - **Home** – Returns to the homepage.

  - **Medicine List** – Displays all available medicines and their details.

  - **Dashboards** – Visual summary of stock levels, sales, etc.

  - **Tables** – Structured data views (medicine data, suppliers, employees).

  - **Update** – Interface to modify medicine or supplier information.

  - **Contact Details** – Page with company contact information and inquiry form.

- **Functionalities**:

  - Hover effects on navigation links using CSS.

  - Smooth transitions between pages using JavaScript or internal routing.

  - Each navigation item links to a dedicated web page with relevant content.

3. Search Bar

- Positioned in the header or top section of the homepage.

- **Functionality**:

  o Allows users to type a medicine name and search.

  o On pressing Enter or clicking the search icon:

    ▪ JavaScript will filter the medicine list or fetch data from a predefined array/database (if backend is used).

    ▪ Display full details of the medicine (e.g., name, type, expiry date, availability, stock count).

  o Clear "No Results Found" message if the item is not available.

- **Features**:

  o Auto-suggestions (optional enhancement using JavaScript)

  o Responsive design (works well on all screen sizes)

4. Responsiveness and User Experience Enhancements

- Entire page will be **responsive** using CSS media queries and flexbox/grid.

- **JavaScript will handle**:

  o Dynamic content display (search results, hover info)

  o Page transitions and navigation interactivity

- **CSS will manage**:

  o Layout structure

  o Hover/active styles for buttons and links

  o Pop-ups and animations

Github Link: https://github.com/nikhil550000/UID_PROJECT_PHARMACEUTICAL_DATABASE.git