UI Specification Document

for

User Management Screen

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This document describes the user interface (UI) requirements for the User Management screen. The screen allows for managing users within the system by adding, modifying, enabling/disabling, and viewing user details. The interface consists of a list of existing users and a form for creating or editing user information.

1. Screen Layout

- **Title:** "User Management"
- **Primary Sections:**
    1. **User List:** Displays a list of users with essential details.
    2. **User Form:** For creating and editing users.

The User Management screen is divided into two primary sections:

1. User List (Left Section):

This section displays a table of existing users in the system. Each row represents a user and includes important details such as their ID, username, email, and whether their account is enabled (active). The list helps administrators easily browse and manage users. Additionally, there are options to sort and filter the user data based on these columns. For instance, by checking the Hide Disabled User checkbox, the administrator can filter out users who are disabled.

2. User Form (Right Section):

This form is used for adding new users or editing existing ones. It includes fields to input the user's essential details such as username, email, phone number, and role(s). The administrator can also choose to enable or disable the user account using the Enabled checkbox. The form supports validation to ensure that required fields, like username and email, are provided before saving.
At the top of the screen, there is a + New User button that, when clicked, clears the form and allows the administrator to create a new user. The Save User button at the top-right of the form saves any changes made to a user's data.

2. UI Components

2.1 User List

Table Headers
- **ID:** Unique ID for each user.
- **User Name:** Username of the user.
- **Email:** Email address associated with the user.
- **Enabled:** A boolean value (true/false) indicating if the user is active.

Actions:
- **Sorting:** All columns (ID, Username, Email, Enabled) are sortable in ascending/descending order.
- **Filtering:** Option to filter users by their enabled status using the checkbox **Hide Disabled User**. When checked, the table should only display users with (`Enabled = true`.)

Details:

- Display a list of users in a tabular format. For each user, show:
  - **ID**: Sequential number for identification.
  - **User Name**: Username of the user.
  - **Email**: Email of the user.
  - **Enabled**: Displays "true" for enabled users and "false" for disabled users.

Default View:

- At the initial load, show all users in the system, sorted by ID in ascending order.
- Disabled users will be shown unless Hide Disabled User is checked.

Button:

- **New User(+):** A button located at the top-left corner of the screen that opens the User Form for adding a new user.

2.1 User Form

Fields:

- **Username:** Text input for the user's username (required).
- **Display Name:** Text input for the user's display name (optional).
- **Phone:** Text input for the user's phone number (optional).
- **Email:** Text input for the user's email address (required).
- **User Roles:** A dropdown menu allowing selection of user roles. Roles include:
  - Guest
  - Admin
  - SuperAdmin

Enabled: Checkbox to mark if the user is active or inactive. When checked, the user is enabled, otherwise disabled.

Behavior:

- **Form Validation:**
  - The Username and Email fields are required.
  - Ensure that email follows a valid format.
  - At least one role must be selected from the User Roles dropdown.
  - Display error messages next to the input fields if validation fails.

- **Default State:**
  - When creating a new user, all fields will be empty, and the Enabled checkbox will be unchecked.
  - If editing an existing user, pre-fill the fields with the user's current data.

- **Buttons:**

  - **Save User:** Located in the top-right corner of the form, it saves the current user's data. The button is enabled only if all required fields pass validation.

3. Actions and Page Behavior

3.1 Adding a New User

1. Click on + New User button.
2. The User Form will open on the right side.
3. Enter the necessary details:
- Username (required)
- Email (required)
- Select at least one role from the User Roles dropdown (required).
- Enable the user (optional).

4. Click on Save User.
5. If successful, the new user will appear in the User List, and the form will reset for a new entry.

3.2 Editing an Existing User

1.Select an existing user from the **User List**.
2. The **User Form** will display the details of the selected user.
3. Modify the details as needed.
4. Click on **Save User** to update the user details.
5. The changes will be reflected in the **User List**.

3.3 Hiding Disabled Users

- By checking the Hide Disabled User checkbox, the User List will only display users where (Enabled = true). Unchecking the box will show all users again.

4. Initial View

The initial page load will display:
- All users in the User List, sorted by ID.
- The User Form will be empty, waiting for a new user to be added or an existing one to be selected.

5. Form and Table Validation

- **Username**: Must not be empty.
- **Email**: Must follow a valid email format (e.g., `example@domain.com`).
- **User Roles**: At least one role must be selected.

6. Error Handling

- If a required field is missing or incorrect:
  - Show error messages next to the input field.
  - Disable the **Save User** button until the form is valid.
- If the user cannot be saved (e.g., due to server issues), display a global error message at the top of the screen.