General Look

The User Management Screen is a component of the administrative panel that allows for the creation, viewing, and management of user accounts within the system. The screen is split into two primary sections: a user list and a user creation form.

User List

UI Components

-New User Button: A button labeled "+ New User" located at the top left of the user list. When clicked, it resets the New User form to default settings, ready for input.

-Hide Disabled User Checkbox: A checkbox labeled "Hide Disabled User" located at the top of the user list. When toggled, it filters out disabled users from the user list.

-User Table: A table displaying existing users with the following columns:

-ID: Shows the unique identifier for the user.

-User Name: Displays the user's username.

-Email: Shows the email address associated with the user account.

-Enabled: Indicates whether the user account is active (true) or disabled (false).

Behavior

-Initial State: On page load, the user list should display all users, including disabled ones, sorted by ID in ascending order.

-Hide Disabled Users: When the "Hide Disabled User" checkbox is checked, the table should refresh and exclude all users where the "Enabled" status is false.

-Sorting: Each column header in the user table is clickable and will sort the table by that column, toggling between ascending and descending order.

New User Form

UI Components

-Text Fields: The form includes the following fields for input:

-Username: A mandatory text field.

-Display Name: An optional text field.

-Phone: An optional text field for phone numbers.

-Email: A mandatory text field for email addresses.

-User Roles Dropdown: A dropdown selector allowing for the assignment of one or more roles to the user. The options include Guest, Admin, and Super-Admin.

-Enabled Checkbox: A checkbox that, when checked, indicates that the user account is active. When unchecked, the account is created in a disabled state.

-Save User Button: A button labeled "Save User" that triggers the submission of the new user form.

Behavior

-Field Validation:

-Username and Email fields must be filled out before the form can be submitted.

-Email must be in a valid email format.

-Phone must be in a valid phone number format if provided.

-Role Selection: At least one role must be selected from the User Roles dropdown.

-Form Submission:

-On clicking "Save User", the system validates the form. If validation passes, the new user is created and added to the user list. If validation fails, appropriate error messages are displayed next to the respective fields.

-After a successful submission, the form resets to its default state.

-Error Handling: If the system encounters an error during form submission (e.g., network issues, server errors), an error message is displayed to the user.

Accessibility

-Ensure that all form inputs and buttons have appropriate ARIA labels for screen readers.

-The user list table should be navigable using keyboard shortcuts.

Security

-All form submissions must be over HTTPS to protect sensitive data.

-User inputs must be sanitized to prevent XSS attacks.

Initial Load State

-The user table is populated with data from the server on initial load.

-The New User form is empty and ready for input.

Error States

-If the user list cannot be loaded, display a message: "Error loading user list. Please try again later."

-Form errors should be specific (e.g., "Email is not in a valid format.") and displayed adjacent to the relevant field.

Technical Notes

-Use RESTful APIs for all server communications.

-Ensure the interface is responsive and functions correctly on both desktop and mobile devices.