**User Interface Specification Document**

**1. Overview**

This document describes the UI specification for the User Management screen. It provides details on the UI components, their behavior, and user interactions. This document is intended for software developers implementing this interface.

**2. UI Components & Behavior**

**2.1. User List Table**

* Displays a list of existing users.
* Columns:
  + **ID**: Unique identifier for each user.
  + **User Name**: Display name of the user.
  + **Email**: Email address of the user.
  + **Enabled**: Status (true/false) indicating if the user is active.
* Users can **sort** and **filter** each column.

**2.2. Controls**

* **+ New User Button**: Opens the user creation form.
* **Hide Disabled User Checkbox**:
  + If checked, only enabled users are displayed.
  + If unchecked, all users are displayed.
* **Save User Button**: Saves the new user or updates an existing user.

**2.3. User Form (New User Section)**

* **Username (Text Field)**: Required.
* **Display Name (Text Field)**: Optional.
* **Phone (Text Field)**: Optional.
* **Email (Text Field)**: Required, must be a valid email format.
* **User Roles (Dropdown)**: Allows selecting one or more roles (Guest, Admin, SuperAdmin).
* **Enabled (Checkbox)**: Determines whether the user is active.

**3. Initial Page State**

* The user list is displayed with all enabled users.
* The **Hide Disabled User** checkbox is checked by default.
* The **New User Form** is empty and disabled until the "+ New User" button is clicked.

**4. User Actions & Interactions**

**4.1. Adding a New User**

1. Click "+ New User".
2. The user form is enabled.
3. Fill in required details.
4. Click **Save User**.
5. The new user appears in the list.

**4.2. Editing an Existing User**

1. Select a user from the list.
2. The form fields are populated with the user's details.
3. Modify the fields as needed.
4. Click **Save User** to update.

**4.3. Filtering and Sorting**

* Clicking on a column header sorts users by that column.
* Using the filter inputs refines the displayed user list.

**4.4. Enabling/Disabling Users**

* Users can be enabled/disabled using the checkbox.
* Disabled users are hidden if the **Hide Disabled User** checkbox is checked.

**5. Validation Rules**

* **Username** and **Email** are required.
* **Email** must be in a valid format.
* At least one **User Role** must be selected.

**6. Error Handling**

* Show an error message if required fields are missing.
* Show a message if saving fails due to server issues.
* Prevent duplicate usernames and emails.