# User Interface Specification Document

## Overview

The User Management screen is a web-based interface that allows authorized users to create, modify, and delete user accounts for a given system. This document outlines the requirements and design details for this user interface, intended to guide software developers in its implementation.

## Requirements

* Display a list of existing users, including user ID, username, display name, and email address.
* Provide options to filter and sort the user list.
* Allow the addition, editing, and deletion of user accounts.
* Provide input fields for user account details, including username, display name, phone number, email address, and user roles.
* Enable/disable user accounts as needed.
* Display an appropriate message upon successful completion of actions.
* Provide clear navigation and user feedback throughout the interface.

# UI Components & Layout

## Header

The header section will contain the following elements, aligned to the left:

* Logo or application name
* Navigation menu for accessing other system features
* User account menu, with options for managing the current user's account and logging out
* Main Content Area
* The main content area will be divided into two sections: user list and user management controls.

## User List

The user list will display the following user details:

* User ID (right-aligned)
* Username
* Display Name
* Email Address

The user list will have:

A search bar to filter user results based on the entered search term.

Sorting options for each column.

Pagination, if necessary, to limit the number of users displayed per page.

## User Management Controls

The user management controls will be located below the user list and consist of the following:

* Add User Button: A button to open the "Create User" dialog for adding a new user.
* Edit Button: A button to enable editing for the selected user in the user list.
* Delete Button: A button to initiate deletion of the selected user from the user list.

## Create User Dialog

The "Create User" dialog will contain the following fields:

* Username (required): Text input field for entering the user's username.
* Display Name (required): Text input field for entering the user's display name.
* Phone (optional): Text input field for entering the user's phone number.
* Email (required, unique): Text input field for entering the user's email address.
* User Roles (required): Multi-select dropdown field with available user roles (Guest, Admin, SuperAdmin).
* Enabled (required): A toggle to enable or disable the user account.

The "Create User" dialog will have the following buttons:

* Save User: A button to create a new user with the specified account details.
* Cancel: A button to close the "Create User" dialog without creating a new user.

## Edit User Dialog

The "Edit User" dialog will be similar to the "Create User" dialog, with the addition of a User ID field (read-only) and the ability to edit existing user details.

# Behavior

## User List

Clicking on a user in the user list should open the "Edit User" dialog with the user's existing details.

Selecting multiple users should enable the Edit and Delete buttons for batch operations.

## User Management Controls

1. Clicking the Add User button should open the "Create User" dialog.
2. Clicking the Edit button should open the "Edit User" dialog with the selected user's existing details.
3. Clicking the Delete button should initiate a confirmation prompt to delete the selected user(s).
4. Create/Edit User Dialog
5. After clicking the Save User button, a confirmation message should be displayed if the user was successfully created or updated.
6. If an error occurs during user creation or editing, appropriate error messages should be displayed for each affected field.

## Initial Load

Upon initial load, the user management screen should display the user list, populated with existing user accounts.

The user list should be sorted by the user ID column by default. The user management controls should be disabled until a user is selected in the user list.