

USER INTERFACE SPECIFICATION DOCUMENT

Overview

The User Management screen is designed to allow administrators to create, update, and manage users. The interface is divided into two main sections:

- A table displaying the list of current users.
- A form to add or edit a user's information.

Initial Page View

Upon loading the User Management screen, the following should be visible:

- A table listing the existing users with columns: **ID**, **User Name**, **Email**, and **Enabled** status.
- A checkbox to filter out disabled users titled "Hide Disabled User" (checked by default).
- A button to create a new user titled **+ New User**.
- An empty form on the right-hand side to enter details for a new user or edit an existing one.

UI Components and Behavior

User List Table

- **Columns:**
 - **ID:** Displays a unique identifier for each user.
 - **User Name:** Shows the username of the user.
 - **Email:** Displays the user's email address.
 - **Enabled:** A boolean value indicating if the user is active (true or false).
- **Sorting:**
 - The user should be able to sort the table by clicking on any of the column headers. For example, clicking on the "User Name" header sorts the table alphabetically by user names.
- **Filtering:**
 - The table should have a filter (text box) for each column, allowing the user to search within each field.
- **Row Selection:**
 - Clicking a user row in the table will populate the **New User** form with the selected user's details, allowing the administrator to edit them.

Hide Disabled User Checkbox

- **Location:** Top-right of the table.
- **Functionality:**
 - By default, this checkbox is checked, hiding users whose "Enabled" status is set to false.
 - Unchecking this checkbox will display all users, including the disabled ones.

New User Button

- **Location:** Above the User List table, on the left side.
- **Functionality:**
 - When clicked, this button will clear the **New User** form on the right side, enabling the creation of a new user.
 - If any data was previously filled in the form (either for editing or new creation), it should be cleared to reflect a blank form.

New User Form

The form is displayed on the right-hand side of the screen and contains the following fields:

Field	Input Type	Description
Username	Text box	Text input for the user's username. This is a required field.
Display Name	Text box	Text input for the user's display name (optional).
Phone	Text box	Text input for the user's phone number (optional).
Email	Text box	Text input for the user's email address. This is a required field.
User Roles	Dropdown (multi-select)	Dropdown to select one or multiple roles for the user (e.g., Admin, Guest).
Enabled	Checkbox	Checkbox to enable/disable the user account.

- **Behavior:**
 - When a user is selected from the table, the form fields are populated with the selected user's data, allowing the administrator to modify the information.
 - If the **+ New User** button is clicked, the form should reset and be ready to accept data for a new user.

User Roles Dropdown

- **Dropdown values:**
 - **Guest, Admin, SuperAdmin.**
- **Functionality:**
 - The administrator can select one or more roles for the user.
 - Multi-select should be enabled, allowing users to have multiple roles.

Enabled Checkbox

- **Label:** "Enabled"
- **Description:**
 - If checked, the user is active in the system.
 - If unchecked, the user is disabled and will not have access to the system.

Save User Button

- **Location:** Top-right of the form.
- **Functionality:**
 - When clicked, it will save the user's information.
 - If it's a new user, the user is added to the list.
 - If it's an existing user, their information is updated in the system and reflected in the table.
 - The form will then reset, clearing all fields after successful submission.
- **Validation:**
 - The form should validate the following fields before saving:
 - **Username:** Required, must be unique.
 - **Email:** Required, must be a valid email format.
 - If any of these fields are invalid, an error message should be displayed next to the respective field.

Error Handling

- If the system encounters an error during the save process (e.g., duplicate username or invalid email format), a message should appear at the top or near the save button indicating the nature of the error.
- Form fields that caused validation issues should be highlighted with red borders or error messages.

Expected Behavior Summary

- The table initially shows enabled users, sorted by ID by default.
- The **Hide Disabled User** checkbox is checked by default, only showing enabled users.
- Clicking on a user in the table populates the form for editing.
- Clicking **+ New User** clears the form for a new entry.
- Clicking **Save User** validates the form and either creates a new user or updates an existing one.

+ New User

☒ Hide Disabled User

Save User

ID	User Name	Email	Enabled
1	AdminUser	admin@piworks.net	true
2	Test User	testuser@piworks.net	true

New User

Username :

Display Name :

Phone :

Email :

User Roles :

Select user roles...

Enabled :

☐

Guest

Admin

SuperAdmin