# README for UserList Component

The `UserList` component is a part of a User Management Application designed for managing Users. This README file provides an overview of the code structure and functionality of the `UserList` component.

## Overview

The `UserList` component is responsible for displaying a list of Users. It provides search functionality to filter Users by ID or name and allows users to delete or update Users. Additionally, it offers a link to add new Users. The component is typically used as the main view for managing Users within the application.

## Code Structure

### Search Functionality

The `UserList` component includes functionality for searching and filtering Users:

- It uses the `useState` hook to manage the search term (`searchTerm`) and filtered Users (`filteredUsers`) as component state.

- The `useEffect` hook is employed to update `filteredUsers` whenever the `searchTerm` or the list of Users (`props.Users`) changes.

- Users are filtered based on whether their `id` includes the `searchTerm` or their `name` contains the `searchTerm` (case-insensitive).

### Rendering User Cards

The component maps through the `filteredUsers` array and renders a `UserCard` component for each User. It passes the User details and event handlers (`deleteUserhandler` and `updateUserhandle`) as props to the `UserCard` component.

And if no User is available as we searched then it will show a default message that `No Users available`

## Usage

To use the `UserList` component in your React application:

1. Import the `UserList` component into the file where you intend to use it.

2. Pass the necessary props to the `UserList` component. Required props include `Users`, `getUserid`, and any other props needed for managing Users.

3. Render the `UserList` component within your application, and it will display the list of Users and search functionality.

First as the program loaded it will show the all the user through userlist

A screenshot of a computer

Description automatically generated

Users are displayed in userlist as per the searched keyword it will filter and display using the userlist

A screenshot of a computer

Description automatically generated