Objective:

The objective of this assignment is to assess your skills in creating a User Management App that retrieves and displays user information using the RandomUser.me API.

Instructions:

Choose a public user data API: You will be using the RandomUser.me API for this assignment. Familiarize yourself with the API and how to access user data by referring to the RandomUser.me API documentation.

Create an HTML file: Start by creating a basic HTML structure for the app, including a user list and a section to display user details.

Using JavaScript, you are required to:

On the initial page load, fetch and display a list of random users (at least 10) using the RandomUser.me API.

Create a search input field that allows users to search for a specific user by name, email, or any other relevant user attribute. The list of users should dynamically update as the user types. When a user clicks on a user in the list, fetch detailed information about that user from the RandomUser.me API (e.g., name, email, phone, etc.).

Display the user details in a user-friendly format, possibly including the user's picture.
Style and format the app: Make the app user-friendly and responsive. Properly format the user data for readability.

Implement error handling: Ensure that your app handles cases where a user is not found or there are issues with the API request.

Submission: Please provide a link to your hosted solution (e.g., on CodePen, GitHub Pages, or any other platform).

Bonus Points (Optional):
Feel free to be creative and implement additional features that enhance your app. In addition to the core requirements, you have the opportunity to earn bonus points by incorporating the following features into your User Management App:

User Pagination: Implement user pagination to display a specific number of users per page and allow users to navigate through the pages.

User Sorting: Allow users to sort the user list based on different attributes (e.g., name, email, age).

Data Filtering: Provide filters for specific user attributes, allowing users to find individuals with certain characteristics.

Remember that these bonus points are entirely optional, and you should prioritize implementing the core features first.

Additional Notes:

Feel free to use any additional libraries or frameworks if you prefer.
This assignment is designed to assess your skills in working with external APIs, data manipulation, front-end development, and user interface design.
Good luck, and we look forward to reviewing your work!