## Project Title:

Clinic Management System (Manage User Details & Book Appointment)

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## Overview:

This module allows the administrator to manage user records and handle appointment bookings in a web-based interface. It helps simplify patient and appointment data handling without using any backend database — the data is temporarily handled within the browser using JavaScript.

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## Implemented:

### 1. Manage User Details

- Displays a table of registered users.
- Admin can **View**, **Edit**, or **Delete** a user.
- Deletion removes a user record from the table dynamically.

### 2. Book Appointment

- Displays a list of booked appointments.
- Allows adding new appointments using a button ("Book New Appointment").
- Each appointment can be **Viewed**, **Edited**, or **Deleted** dynamically.

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## Technologies Used:

| Layer | Technology |
|---|---|
| Front-End | HTML5, CSS |
| Client-Side Scripting | JavaScript |
| IDE Used | Visual Studio Code |
| OS | Windows 10 |
| Browser | Google Chrome |

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## Features:

→ Add, view, edit, and delete user details
→ Book and manage appointments dynamically
→ Modern UI with clean, blue-themed styling

→ Responsive design with styled tables and buttons
→ Real-time alerts and prompts for user interaction

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## Code Explanation (Key Parts):

### ➤ *User Management Actions*

```javascript
document.querySelectorAll(".view").forEach(btn => {
    btn.addEventListener("click", function () {
        const row = this.closest("tr");
        alert(`User Details:\n\nName: ${row.cells[1].innerText}`);
    });
});
```

→ Shows user info when the **View** button is clicked.

### ➤ *Appointment Booking*

```javascript
document.getElementById("bookAppointmentBtn").addEventListener("click",
function() {
  const title = prompt("Enter Appointment Title:");
  if (title) alert("Appointment booked successfully!");
});
```

→ Adds new appointments dynamically.

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## Screenshots (to include in your report):

1. User Details Table View
2. View/Edit/Delete popup messages
3. Appointment Table
4. Booking a New Appointment prompt
5. Updated Table after Edit/Delete

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## Conclusion:

The project successfully demonstrates the ability to create interactive and functional modules using HTML, CSS, and JavaScript. It improved understanding of DOM manipulation, event handling, and frontend interface design.

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## Future Enhancements:

- Connect the module with a backend database (e.g., MySQL).

- Add login authentication.
- Integrate appointment reminders via email/SMS.