

LAB TEST -03

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TASK 1:

Scenario: In the domain of Healthcare, a company is facing a challenge related to web frontend development.

Task: Design and implement a solution using AI-assisted tools to address this challenge.

Include code, explanation of AI integration, and test results.

Deliverables: Source code, explanation, and output screenshots

Prompt:

"Generate a responsive HTML/CSS frontend for a healthcare appointment booking page.

It should have a header with the hospital name, a doctor selection dropdown, a date picker, time slot buttons, and a 'Book Appointment' button. Use clean design and accessibility tags."

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Healthcare Appointment Booking</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f0f5f9;
            margin: 0;
            padding: 0;
        }
        header {
            background-color: #0077cc;
            color: white;
            text-align: center;
            padding: 15px;
            font-size: 22px;
            letter-spacing: 1px;
        }
        .container {
            max-width: 420px;
            background: white;
            margin: 50px auto;
            padding: 25px;
            border-radius: 12px;
            box-shadow: 0 0 10px rgba(0,0,0,0.1);
        }
        label {
            font-weight: bold;
            display: block;
            text-align: left;
            margin-top: 10px;
        }
        select, input, button {
            width: 100%;
```

```
</head>
<body>
  <header> CarePlus Hospital </header>

  <div class="container">
    <h2 style="text-align:center;">Book Appointment</h2>

    <label for="doctor">Select Doctor:</label>
    <select id="doctor">
      <option>Dr. Smith Cardiologist</option>
      <option>Dr. Patel Neurologist</option>
      <option>Dr. Kumar Dermatologist</option>
    </select>

    <label for="date">Select Date:</label>
    <input type="date" id="date">

    <label>Select Time Slot:</label>
    <div class="slots">
      <button>10:00 AM</button>
      <button>11:00 AM</button>
      <button>12:00 PM</button>
    </div>

    <button id="book">Book Appointment</button>
  </div>

  <script>
    document.getElementById("book").addEventListener("click", () => {
      const doctor = document.getElementById("doctor").value;
      const date = document.getElementById("date").value;
      if(date === "") {
```

output:

The screenshot shows a mobile application interface for booking an appointment. At the top, there is a blue header bar with the text "CarePlus Hospital" and a small hospital icon. Below the header is a white rectangular form with rounded corners. The form has a title "Book Appointment" at the top center. Inside the form, there are three sections: "Select Doctor:" with a dropdown menu containing "Dr. Smith – Cardiologist", "Select Date:" with a date input field showing "dd-mm-yyyy" and a calendar icon, and "Select Time Slot:" with three blue buttons for "10:00 AM", "11:00 AM", and "12:00 PM". At the bottom of the form is a large green button labeled "Book Appointment".

Observation:

The AI-generated webpage runs successfully.
It allows doctor, date, and time selection.
Displays a booking confirmation alert.
The interface is responsive and easy to use for healthcare purposes.

