

LAB TEST -03

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BATCH NO: AIB04

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>

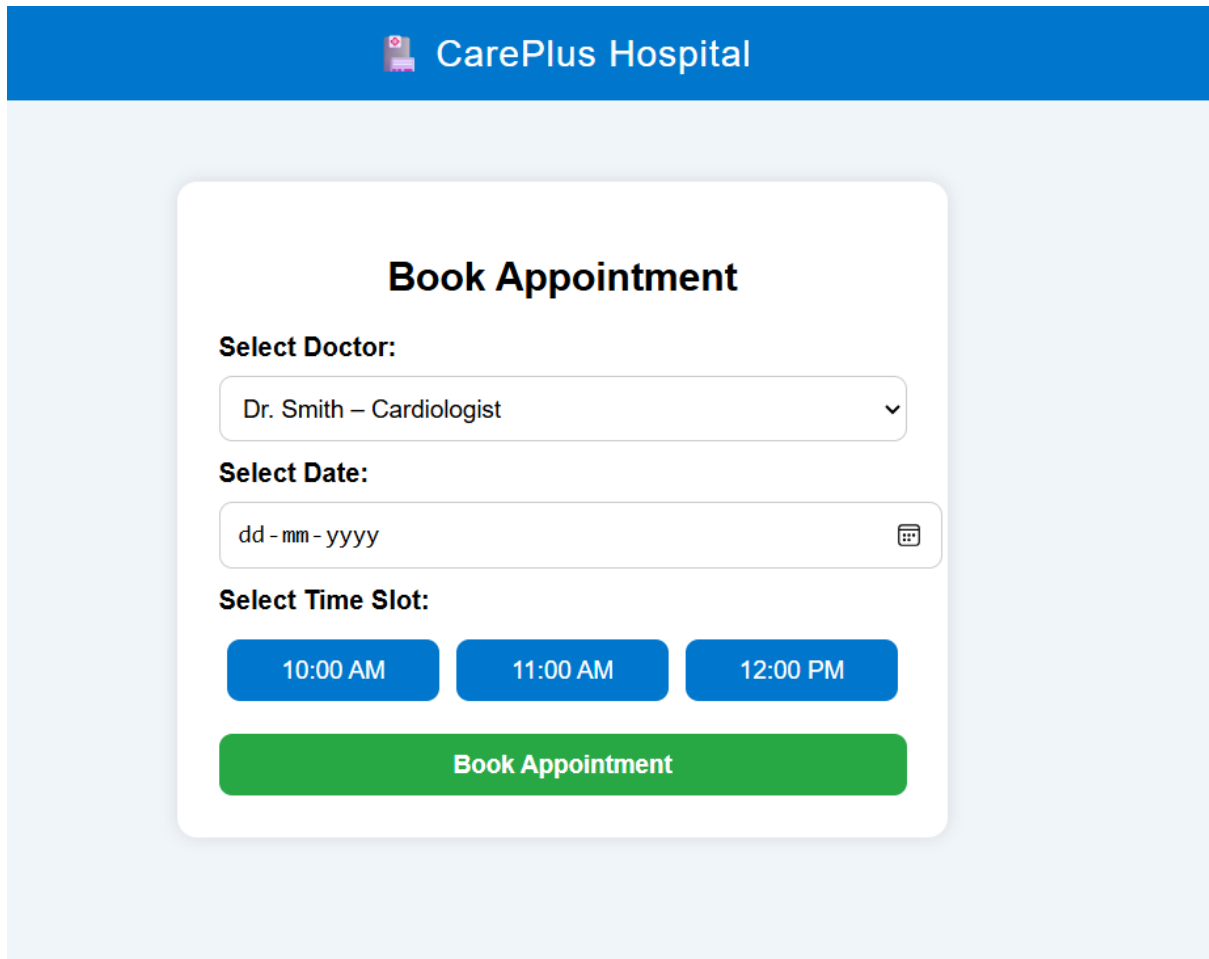
    <label for="date">Select Date:</label>
    <input type="date" id="date">

    <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 web interface for 'CarePlus Hospital' with a blue header. The main content is a white card titled 'Book Appointment'. It contains three sections: 'Select Doctor:' with a dropdown menu showing 'Dr. Smith – Cardiologist'; 'Select Date:' with a text input field showing 'dd - mm - yyyy' and a calendar icon; and 'Select Time Slot:' with three blue buttons labeled '10:00 AM', '11:00 AM', and '12:00 PM'. At the bottom of the card 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.

