PITP WEB DEVELOPMENT FINAL TASK ASSIGNMENT
CITY CARE HOSPITAL

Course: Certified Web Developer

Topic: Building a Responsive Hospital Website

Deadline: 8th Jan, 2025

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1. Assignment Objective

Build a functional, responsive Hospital Website for a fictional institution **"City Care Hospital"**. You may choose **one** of the following technical tracks to complete this assignment:

- 🟢 **Track A:** React.js (Component-based, Single Page Application)
- 🔵 **Track B:** HTML/CSS/JS (Standard Multi-page Website)

Note: Both tracks have equal grading weight. Choose the one you feel most confident in.

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2. Pages to Build

Regardless of the track you choose, your website must contain these **five** distinct sections/pages:

1. **Homepage:** Hero section (Emergency contact focus), "Our Specialties", and Patient Testimonials.

2. **About Us:** Hospital History, CEO Message, and Accreditation/Awards.

3. **Services:** Grid layout of facilities (MRI, ICU, Emergency, Pharmacy, Laboratory).

4. **Doctors:** A list of doctors with a **Search/Filter** feature based on specialization.

5. **Appointment:** Hospital location and a functional **Book an Appointment Form** with validation.

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3. Technical Instructions (Choose Your Track)

🟢 **Track A: React.js Requirements**

- **Framework:** React.js (Create-React-App or Vite).

- **Styling:** Bootstrap 5 (React-Bootstrap or standard CDN).

- **State Management:** Use useState for creating and managing state variables.

- **Navigation:** Use **React Router** OR implement **Conditional Rendering** (switching views using state).

- **Data Handling:** Create a data.js file with arrays for **Doctors** and display them using .map().

- **Forms:** Build "Controlled Components" where input values are bound to state.

🔵 **Track B: HTML / CSS / JS Requirements**

- **Structure:** Standard HTML5 semantic structure. You may build this as 5 separate HTML files linked together (index.html, doctors.html, etc.).

- **Styling:** Bootstrap 5 + a custom style.css file.

- **JavaScript Logic:**

   o You must link a script.js file at the bottom of your pages.

   o **DOM Manipulation:** Use document.getElementById or querySelector to interact with elements.

- **Data Handling:** For the **Doctors** page, create a JavaScript array of objects (e.g., const doctors = […]). Use a loop (forEach) to dynamically generate the HTML cards and inject them into the DOM. **Do not hardcode the HTML cards manually.**

- **Forms:** Use addEventListener to handle the form submit event and validate inputs.

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4. Functional Requirements (Common to Both Tracks)

A. Shared Layout (Header & Footer)

- **Navbar:** Responsive Bootstrap Navbar with a logo. Must collapse into a "hamburger menu" on mobile screens.

- **Footer:** Sticky or static footer with Emergency Numbers, Address, and Social Media links.

B. Doctors Page (The "Logic" Challenge)

- **Data:** Display at least 6 doctors with their Name, Specialty, and Image (e.g., Dr. Ali - Cardiologist, Dr. Sarah - Neurologist, etc.).

- **Search/Filter:**

    o Add a **Department Dropdown** (Cardiology, Orthopedics, Pediatrics, General) OR a **Search Bar**.

    o **Logic:** When the user selects a department or types a name, the list must update to show only the relevant doctors.

    o *(React: Filter the array before rendering / JS: Hide non-matching elements).*

C. Appointment Page (The "Validation" Challenge)

- **Form Fields:** Patient Name, Phone Number, Date of Appointment, Select Doctor/Department.

- **Validation:**

    o Name cannot be empty.

    o Phone Number must be valid.

    o Date cannot be in the past.

- **Feedback:** Display a **Bootstrap Alert** (Green for "Appointment Request Sent", Red for errors) based on the validation result.

5. Deliverables

1. **Source Code:** Upload your code to a public GitHub repository.

2. **Live Preview:**

   o **React:** Deploy on Vercel.

   o **HTML/JS:** Deploy on GitHub Pages or Vercel.

3. **Documentation:** A README.md file containing:

   o Your Name & Roll Number.

   o Which Track you chose (React or HTML/CSS/JS).

   o Screenshots of the Desktop and Mobile view.

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6. Submission Format

- **Repository Name:** PITP_FinalTask_YourName

- **Submit to:** PITP Portal (as instructed).