

PITP WEB DEVELOPMENT FINAL TASK ASSIGNMENT

FITLIFE GYM & FITNESS CENTER



Course: Certified Web Developer

Topic: Building a Responsive Fitness Website

Deadline: 8th Jan, 2025

1. Assignment Objective

Build a functional, responsive Gym/Fitness Website for a fictional brand "**FitLife**". 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.

2. Pages to Build

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

1. **Homepage:** Hero section (Motivation/Action shot), "Why Choose Us", and Success Stories (Transformation photos/text).
 2. **About Us:** Gym History, Philosophy, and "Meet Our Trainers".
 3. **Services/Pricing:** Membership Plans (Basic, Pro, Elite) and Amenities list.
 4. **Classes:** A schedule/list of fitness classes with a **Search/Filter** feature.
 5. **Contact:** Location map and a functional **Join Now / Inquiry 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 **Classes** 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`, `classes.html`, etc.).
 - **Styling:** Bootstrap 5 + a custom `style.css` file.
 - **JavaScript Logic:**
 - You must link a `script.js` file at the bottom of your pages.
 - **DOM Manipulation:** Use `document.getElementById` or `querySelector` to interact with elements.
 - **Data Handling:** For the **Classes** page, create a JavaScript array of objects (e.g., `const classes = [...]`). 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 Opening Hours, Social Media links, and Copyright info.

B. Classes Page (The "Logic" Challenge)

- **Data:** Display at least 6 different classes (e.g., Yoga, HIIT, CrossFit, Zumba, Boxing, Pilates).
- **Search/Filter:**
 - Add **Filter Buttons** (All, Cardio, Strength, Flexibility) OR a **Search Bar**.
 - **Logic:** When the user clicks a category or types a class name, the list must update to show only the relevant classes.
 - *(React: Filter the array before rendering / JS: Hide non-matching elements).*

C. Contact Page (The "Validation" Challenge)

- **Form Fields:** Name, Email, Phone Number, Membership Goal (Weight Loss, Muscle Gain, General Health).
 - **Validation:**
 - Name cannot be empty.
 - Phone Number must be valid.
 - A "Membership Goal" must be selected.
 - **Feedback:** Display a **Bootstrap Alert** (Green for "Inquiry Sent!", Red for errors) based on the validation result.
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5. Deliverables

1. **Source Code:** Upload your code to a public GitHub repository.
 2. **Live Preview:**
 - **React:** Deploy on Vercel.
 - **HTML/JS:** Deploy on GitHub Pages or Vercel.
 3. **Documentation:** A README.md file containing:
 - Your Name & Roll Number.
 - Which Track you chose (React or HTML/CSS/JS).
 - 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).