

# PITP WEB DEVELOPMENT FINAL TASK ASSIGNMENT

## WANDERLUST TRAVEL AGENCY

**Course:** Certified Web Developer



**Topic:** Building a Responsive Travel & Tourism Website

**Deadline:** 8th Jan, 2025

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### 1. Assignment Objective

Build a functional, responsive Travel Agency Website for a fictional brand "**Wanderlust Travels**". 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 (Video or Image Background), "Popular Destinations", and Testimonials.
  2. **About Us:** Company history, Why Travel With Us, and Team/Guides.
  3. **Services:** Visa Assistance, Hotel Booking, and Transport Services (Grid Layout).
  4. **Packages:** A list of Tour Packages with a **Search/Filter** feature.
  5. **Contact:** Agency location and a functional **Booking 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 **Tour Packages** 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`, `packages.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 **Packages** page, create a JavaScript array of objects (e.g., `const tours = [...]`). 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. Must collapse into a "hamburger menu" on mobile screens.
- **Footer:** Sticky or static footer with Copyright info, Social Media icons, and a Newsletter subscription box.

#### B. Packages Page (The "Logic" Challenge)

- **Data:** Display at least 6 tour packages (e.g., Paris Getaway, Dubai Safari, Bali Retreat, Swiss Alps, Northern Areas Pakistan, Maldives).
- **Search Filter:**
  - Add an input field (Search bar) at the top of the package list.
  - **Logic:** When the user types a country or city name, the list must update in real-time to show only matching packages.
  - *(React: Filter the array before rendering / JS: Hide non-matching elements or re-render the list).*

#### C. Contact Page (The "Validation" Challenge)

- **Form Fields:** Name, Email, Contact Number, Preferred Destination.
  - **Validation:**
    - Name cannot be empty.
    - Email must contain an "@" symbol.
    - Contact Number must be numeric.
  - **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).