15-Day Web Development Training Plan

Technologies Used: HTML, JavaScript, PHP, MySQL, REST API

# Day 1: Introduction to Internet & Websites

Topics Covered:

* - Internet, Website, Frontend vs Backend, Domain & Hosting, Browser, Web Server

Real-Life Example: Website = Shop; Browser = Customer; Server = Owner

Tasks:

* - Inspect source of 2 websites
* - Draw request‑response flow diagram

Outcome: Understand how a website loads from server to browser

# Day 2: HTML Basics

Topics Covered:

* - HTML structure (<!DOCTYPE>, <html>, <head>, <body>), common tags (h1–h6, p, img, a, ul/ol)

Real-Life Example: HTML = Shop layout (walls, shelves)

Tasks:

* - Build a page with headings, paragraphs, links, images

Outcome: Able to create a static HTML page

# Day 3: HTML Forms & Tables

Topics Covered:

* - <form>, <input>, <textarea>, <select>, <button>, <table> structure

Real-Life Example: Form = Order slip; Table = Product list

Tasks:

* - Create contact form: Name, Email, Message
* - Create table: product name, price, stock

Outcome: Learn data input and display using HTML

# Day 4: JavaScript Basics

Topics Covered:

* - Variables, data types, operators, alerts, basic functions

Real-Life Example: JS = Shop assistant giving directions

Tasks:

* - Create button with alert
* - Compute sum of two numbers

Outcome: Add user interaction in pages

# Day 5: JavaScript + Form Validation

Topics Covered:

* - DOM selection (getElementById), form value reading, validation (email, non-empty)

Real-Life Example: Assistant checks if form details are filled properly

Tasks:

* - Validate form fields
* - Show success or error messages

Outcome: Enhance form UX with client-side validation

# Day 6: PHP Introduction & Syntax

Topics Covered:

* - PHP basics, embedding (<?php ?>), variables, echo, basic operators

Real-Life Example: Manager doing background calculations

Tasks:

* - Print greeting
* - Calculate sum in PHP

Outcome: Set up basic PHP scripting

# Day 7: PHP Forms & Data Handling

Topics Covered:

* - $\_GET, $\_POST, isset()

Real-Life Example: Manager receives form data

Tasks:

* - Connect HTML form to PHP
* - Display submitted data

Outcome: Collect and handle form input server-side

# Day 8: PHP Conditions & Loops

Topics Covered:

* - if, else, elseif, for, while, foreach loops

Real-Life Example: Manager processes orders based on conditions

Tasks:

* - Age-based message logic
* - Loop through array and list items

Outcome: Add decision-making and repetition logic

# Day 9: PHP Functions

Topics Covered:

* - Define and call functions, parameters, return values

Real-Life Example: Reusable billing or tax functions

Tasks:

* - Create tax calculation function
* - Apply discount function

Outcome: Modular and clean code using functions

# Day 10: PHP + MySQL — Insertion

Topics Covered:

* - MySQL, mysqli\_connect(), mysqli\_query(), INSERT queries

Real-Life Example: Manager logs order into register

Tasks:

* - Create DB/table
* - Insert form data

Outcome: Store data in database

# Day 11: PHP + MySQL — Reading

Topics Covered:

* - SELECT, mysqli\_fetch\_assoc(), display in table

Real-Life Example: Manager reads order list from register

Tasks:

* - Fetch all records
* - Show records dynamically

Outcome: Display database data using PHP

# Day 12: PHP + MySQL — Update/Delete

Topics Covered:

* - UPDATE & DELETE statements, action buttons

Real-Life Example: Manager edits or deletes record

Tasks:

* - Add edit functionality
* - Add delete confirmation

Outcome: Complete CRUD operations

# Day 13: REST API with PHP

Topics Covered:

* - What is API, JSON structure, json\_encode(), Postman testing

Real-Life Example: Shop system calling warehouse via phone (API)

Tasks:

* - Build GET/POST API
* - Test with Postman

Outcome: Understand and build a basic API

# Day 14: JavaScript + REST API Integration

Topics Covered:

* - fetch(), parsing JSON, dynamic DOM updates

Real-Life Example: JS fetches product info from PHP API

Tasks:

* - Call API via fetch
* - Display data dynamically as product cards

Outcome: Connect front-end with back-end API

# Day 15: Final Project + Review

Topics Covered:

* - Build a full mini web application

Real-Life Example: Create working web project using all techs

Tasks:

* - Choose one project (e.g., blog, product catalog, contact manager)
* - Implement CRUD, API, frontend/backend

Outcome: Completed full-stack web development project