

PHP + MySQL Fullstack Project Roadmap

Phase 1: Basics of PHP

- What is PHP?
- Echo/Print statements
- Variables and Data Types
- Operators and Expressions
- If-else, Switch
- Loops: for, while, foreach
- Arrays

Mini Task:

Create a simple PHP script that prints your name using a variable.

Phase 2: Forms + PHP Integration

- Handling \$_GET and \$_POST
- Validating form inputs
- Displaying submitted data on the same page

Mini Task:

Create a student form and show the data on the side after submission.

Phase 3: PHP + MySQL (Database)

- Setting up MySQL with XAMPP
- Creating database and table
- Connecting PHP to MySQL using mysqli
- Inserting and fetching data
- Displaying data in an HTML table

Mini Task:

Build a form that stores student info in a database and shows the entries.

Phase 4: Login & Authentication System

- User registration with password hashing
- Login form validation with sessions
- Secure logout

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Mini Task:

Create a login system that redirects to a dashboard.

Phase 5: Admin Dashboard

- Display database data in HTML table
- Add Edit/Delete buttons
- Implement Update/Delete with PHP

Mini Task:

Admin panel to manage student entries.

Phase 6: Mini-Blog Project (Like WordPress)

- User login & blog post creation
- Storing and displaying blog entries
- Admin can delete or update posts

Use CRUD operations with PHP + MySQL.

Bonus Phase: Security + Deployment

- SQL Injection protection with prepared statements
- XSS protection using htmlspecialchars()
- Deploying PHP apps using 000webhost or InfinityFree