

# Week 5 – PHP Mini Project

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## Day 1: Project Architecture

### Topics Covered:

- MVC architecture overview
- Project structure and organization
- Separation of concerns
- Code reusability

### Learning Objectives:

- Plan a project structure
- Implement MVC pattern
- Organize code effectively
- Follow coding standards

### Practical Exercises:

1. Set up project directory structure
  2. Create basic routing
  3. Implement a simple template system
  4. Set up configuration management
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## Day 2: Advanced Features

### Topics Covered:

- Error handling and logging
- Pagination implementation
- Search functionality
- File uploads

### Learning Objectives:

- Implement robust error handling
- Add pagination to lists
- Create search functionality
- Handle file uploads securely

## Practical Exercises:

1. Add error logging to your application
  2. Implement pagination for data lists
  3. Add search functionality
  4. Create a file upload feature
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# Day 3: Simple Blog System (Pure PHP) Project

## Project Requirements:

1. User authentication
2. Create, read, update, delete blog posts
3. Categories and tags
4. Comments system
5. Admin dashboard

## Deliverables:

- Complete blog application
- Database schema
- Documentation
- User and admin guides

## Presentation Guidelines:

- 10-15 minute presentation
- Demonstrate working application
- Explain technical decisions
- Be prepared for Q&A

## Tips:

- Follow coding standards

- Write clean, maintainable code
- Document your code
- Test thoroughly

## **Resources:**

- [Laravel Documentation](#)