

Guided Project: Hotel Management System

Course Overview

About the Project:

In this guided project, you will develop a **Hotel Management System** using **PHP** and **PHPMyAdmin** for database management. This project is designed to enhance your job-relevant skills and prepare you for interviews in the tech industry.

Prerequisites:

- Basic understanding of PHP
- Familiarity with PHPMyAdmin and MySQL

What Will You Learn?

- How to implement a web-based hotel management system using PHP.
- Best practices in database management and CRUD operations using PHPMyAdmin.
- Problem-solving skills through practical application.

Skills You Will Practice:

- Backend development with PHP
- Database operations with MySQL
- Form handling and validation

How to Execute? Your Learning Platform

Practice new skills by completing job-related tasks. No downloads or installations are required. Use your Nimbus access to access all the tools.

Practice on your desktop or laptop—this cannot be developed on mobile phones.

Use Nimbus on Bytexl's Platform

Learn, practice, and enhance job-relevant skills in just **2 hours**.

- Receive detailed instructions from instructors.
- Gain hands-on experience solving real-world case studies.
- Enhance your confidence with solutions developed on Nimbus using the latest tools and technologies.

Learn Step-by-Step

In this guided project, you will find your educator giving you a walk-through to complete your project in **2 hours**.

Structure for Educators

Instructions:

Welcome to **Hotel Management System**. This is a guided project that will take about **2 hours** to complete.

Course Objectives: In this project, we will focus on the following objectives:

1. Develop a web application using PHP for hotel management.
2. Implement a MySQL database managed through PHPMyAdmin for storing hotel data.
3. Create user-friendly forms for room management, bookings, and customer feedback.

By the end of this project, you will be able to **create a functional hotel management system that handles bookings, room details, and customer feedback**.

You will deploy the project on the Nimbus Platform using **PHP and PHPMyAdmin**.

Course Structure

This course is divided into **3 parts**:

1. **Course Overview:** This is the introductory reading material.
 2. **Project Structure:**
The hands-on project on **Hotel Management System** is divided into the following tasks:
 - **Task 1:** Set up the project environment (PHP and PHPMyAdmin).
 - **Task 2:** Create the forms for managing rooms and bookings.
 - **Task 3:** Implement database operations (CRUD) for room details and bookings.
 - **Task 4:** Test the application and handle customer feedback submissions.
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Meet Your Educator

Hi, I am **Aarshi Gupta**, and I will be your instructor for this course. I have about **3+ years** of experience in **software development**. I have worked at various tech companies focusing on web development and database management. I also collaborate with businesses to enhance their digital solutions. I hold a **Bachelor's degree in Computer Science** and a **Master's in Software Engineering**. When I am not teaching, I enjoy **traveling and photography**.

Welcome to the Guided Project!

About the Nimbus Platform

Nimbus is an integrated learning platform that provides access to all the necessary tools and technologies for developing real-world applications. It facilitates a hands-on learning experience without the need for installations, allowing you to focus solely on coding and problem-solving.

Earn a Certificate

After you have completed the **Hotel Management System** hands-on project, you should complete the Quiz to assess your knowledge. You will earn a certificate if you score **80% or more**.