

Rent Car Management System – Complete Deployment & Hosting Guide

Project Overview

This project is a web-based Rent Car Management System developed using HTML, CSS, JavaScript, PHP, and MySQL. It allows admins to manage cars, bookings, and users, while customers can view and book cars.

GitHub Repository

<https://github.com/Abdullah-bin-masaud/rent-car-management-system/tree/main>

Option 1: Local Hosting using XAMPP + phpMyAdmin

1. Install XAMPP on your PC.
2. Start Apache and MySQL from XAMPP Control Panel.
3. Copy project folder into htdocs directory.
4. Open browser and go to `http://localhost/project-folder-name`
5. Open phpMyAdmin using `http://localhost/phpmyadmin`
6. Create database (e.g., `rent_car_db`).
7. Import provided SQL file into database.
8. Update database connection in PHP files if required.

Database Integration (PHP + MySQL)

PHP is used for backend logic and MySQL is used to store data such as cars, bookings, and users. phpMyAdmin provides a GUI to manage database tables and records.

Deploy using ngrok (Temporary Public Access)

1. Install ngrok and login using auth token.
 2. Start Apache in XAMPP.
 3. Run command: `ngrok http 80`
 4. ngrok will generate a public URL.
 5. Share that URL to access project online temporarily.
- Note: ngrok free link works only while CMD is running.

Option 2: Live Deployment using InfinityFree (Free Hosting)

1. Create account on InfinityFree.
2. Create new hosting account and domain/subdomain.
3. Upload project files using File Manager or FTP.
4. Create MySQL database from InfinityFree control panel.
5. Import SQL database file.
6. Update database credentials in PHP config file.
7. Access project using provided live URL.

Technologies Used

HTML – Page structure
CSS – Styling and layout
JavaScript – Client-side validation and interactivity
PHP – Server-side logic
MySQL – Database
XAMPP – Local server environment
ngrok – Temporary deployment
InfinityFree – Live hosting

Conclusion

This document explains complete workflow from local development to live deployment of the Rent Car Management System. The project can be tested locally using XAMPP, shared temporarily using ngrok, and finally deployed live using InfinityFree.