# COURTMASTER – USER MANUAL & APPLICATION GUIDE

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## 1. System Overview

CourtMaster is a Football Court Booking and Management System designed to streamline the process of booking,   
maintaining, and managing football courts. The system provides two main modules – User and Admin – allowing   
efficient control over court schedules, bookings, maintenance, and revenue tracking.

## 2. System Requirements

• Operating System: Windows 10 or later  
• Web Server: Apache (via XAMPP)  
• Database: MySQL  
• Backend: PHP 8.0+ (VIA VSC  
• Browser: Google Chrome, Microsoft Edge,Brave or Firefox

## 3. Installation Guide

Follow these steps to install and set up the CourtMaster system locally:  
1. Install XAMPP and start Apache and MySQL modules.  
2. Copy the 'courtmaster-api' folder to your XAMPP 'htdocs' directory.  
3. Open phpMyAdmin and create a database named 'courtmaster'.  
4. Import the 'courtmaster.sql' file provided with the project.  
5. Open a browser and go to: http://localhost/courtmaster-api/  
6. You should see the login page or home screen.

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## 4. Login Instructions

There are two types of users in the system:  
• Admin – manages the courts, bookings, maintenance, and revenue.  
• Regular User – can view available courts and make bookings.

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## 5. Admin Module Guide

After logging in as an admin, you will be redirected to the Admin Dashboard,   
where you can manage all system functionalities.

**Dashboard Overview**:  
The dashboard provides quick access to bookings, availability, maintenance,   
and revenue reports. You can view bookings filtered by date, court, or status.  
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**Managing Courts and Availability:**

1. Navigate to 'Manage Availability'.  
2. Choose the court, date, and time range.  
3. Click 'Add' to make that slot available for booking.

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**Handling Maintenance:**  
Admins can block specific time slots for maintenance. These slots will not   
appear as available to users when booking.

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**Viewing Revenue Reports:**

The dashboard displays revenue summaries by day, week, and month to help   
track income trends effectively.  
  
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## 6. User Module Guide

**Registration:**

New users can register by filling in the required details on the registration page.

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**Booking a Court:**

1. Log in as a user.  
2. Select the desired football court and date.  
3. Choose an available slot (30m, 1h, 2h, or 3h durations).  
4. Click 'Book' to confirm your booking.

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**Viewing or Cancelling Bookings:**

Users can view their active bookings and cancel if necessary.

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## 7. Common Issues & Troubleshooting

• Apache/MySQL not running – Ensure XAMPP services are started.   
• Database connection error – Verify 'db.php' configuration details if they are correct.   
• 403 Forbidden error – Check Apache directory permissions and .htaccess file.   
• Slots not appearing – Ensure availability is properly set by the admin.   
• Wrong password – Use the correct credentials or contact admin to reset.

## 8. Future Notes / Maintenance

• Always back up the database ('courtmaster.sql') before making system updates.   
• To add new courts, use phpMyAdmin or future admin panel enhancements.   
• Regularly clear old maintenance slots to optimize system performance.