MEDTRUST Hospital Appointment System

# Installation Manual

This document provides step-by-step instructions to install and run the MEDTRUST Hospital Appointment Booking System. The system is written in Golang and requires MySQL (or MariaDB) as its relational database backend.

# 1. Prerequisites

Before you begin, ensure the following are installed on your machine:

• Golang (https://go.dev/doc/install)  
• MySQL Server or MariaDB (https://dev.mysql.com/downloads/installer/)  
• PHPMyAdmin (for easy database management)  
• A terminal or command prompt  
• Basic knowledge of CLI and local development

# 2. Database Setup

Follow these steps to set up the MySQL database:

1. Launch PHPMyAdmin in your browser.  
2. Create a new database named `hospital\_db`.  
3. Select the `hospital\_db` database.  
4. Import one of the following SQL files:  
 - `hospital\_db.sql`: Contains sample data for testing.  
 - `hospital\_db\_base.sql`: Clean structure for fresh deployment.

# 3. Project Setup

1. Unzip the project package.  
2. Open your terminal or command prompt.  
3. Navigate into the project directory:  
 ```  
 cd path/to/project  
 ```  
4. You now have three options to run the project:

a) Run directly using Go:  
 ```  
 go run server.go  
 ```  
 b) Build the binary and run it:  
 ```  
 go build server.go -o server  
 ./server  
 ```  
 c) Use the precompiled binary (Windows only):  
 ```  
 server.exe  
 ```

> For Linux use ./servere

# 4. Accessing the System GUI

Once the server is running, open your browser and go to:  
```  
http://localhost:4000  
```  
This will bring up the graphical user interface (GUI) for the hospital staff to log in, manage patients, appointments, invoices, and more.

# 5. Final Notes

• Ensure your firewall allows port 4000.  
• If you're using a different port or DB config, update the config file or environment variables accordingly.  
• Contact your system administrator if you encounter database or permission errors.  
• Always keep a backup of your SQL database before major updates.