

# **Installation and Usage Guide- USER MANUAL**

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**PROJECT TITLE: MREJESHO BOT**

**YEAR: 2025**

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# 1. System Requirements

## Hardware Requirements (Local Server Setup)

- **Processor:** Intel i5 / Ryzen 5 or higher
- **Memory:** Minimum 8GB RAM
- **Storage:** 100GB free disk space (SSD preferred)
- **Internet:** Required for WhatsApp bot setup, not mandatory for SMS-based feedback

## Software Requirements

- PHP 8.0+
- MySQL 5.7+ or MariaDB
- Node.js v16+
- Composer (PHP dependencies)
- npm (Node.js package manager)
- Apache/Nginx web server (or XAMPP for local Windows dev)

## 2. Installation Instructions

### Step 1: Set Up PHP + MySQL

1. Create the database:

```
CREATE DATABASE mrejesho;
```

2. Import SQL tables from script 'mrejesho\_db.sql' located at the root folder:

- organizations
- users
- feedback

3. Configure DB in db.php:

```
$host = "localhost";  
$user = "root";  
$pass = "";  
$db = "mrejesho";  
$conn = new mysqli($host, $user, $pass, $db);
```

### Step 3: Install Node Bot Dependencies

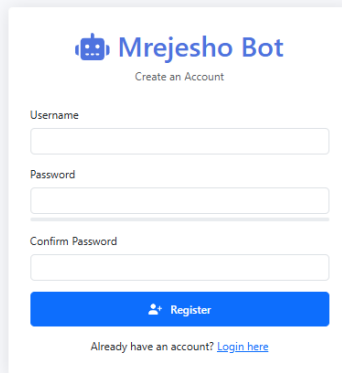
```
npm install
```

Open root folder at command prompt and type ' node index.js ' to start the node server.

### 3. How Mrejesho Bot Works

#### A. Admin Registration


- Admin visits: the route /register.php
- Fills in: username and password.
- Login the user
- Starts the bot process manually ('node index.js org\_x')



The image shows a registration form for 'Mrejesho Bot'. At the top, there is a logo consisting of a blue square with a white robot head icon, followed by the text 'Mrejesho Bot' in blue. Below the logo, the text 'Create an Account' is displayed in a smaller font. The form contains three input fields: 'Username', 'Password', and 'Confirm Password'. Each field is a white rectangle with a thin grey border. Below the 'Confirm Password' field is a blue button with a white user icon and the text 'Register'. At the bottom of the form, there is a link that says 'Already have an account? [Login here](#)'.

## B. Bot Setup and Connection

- Launches whatsapp from their mobile Device.
- Click link devices then Admin scans bot connection QR with their WhatsApp.
- Bot connects and goes online.

**Mrejeshe Bot**

DASHBOARD

FEEDBACK

PROFILE

LOGOUT

Organization Profile

Welcome back, user

Organization Information

Username

user

Organization Name

Unique Academy

WhatsApp Number

+ 255686768052

Include country code without "+" (e.g., 254712345678)

Secret Code

Hello there!

This code will trigger your bot when sent via WhatsApp


Update

Organization Information

Current Password

Feedback QR Code

Scan this code to start a WhatsApp conversation that automatically sends your secret code.




Download SVG

Open Link

Scan URL:  
<https://wa.me/255686768052?text=Hello+there%21>


Bot Connection QR Code

Scan this code with your WhatsApp mobile app to connect your bot account.



## C. Collecting Feedback

1. Client scans QR or visits WhatsApp link
2. Sends the secret phrase
3. Bot asks for feedback text
4. Bot asks for a 1–10 rating
5. Data is saved in MySQL database under the correct organization

**Mrejeshe Bot**

DASHBOARD

FEEDBACK

PROFILE

LOGOUT

Feedback Management

Welcome back, user

Filter Feedback

Rating

All Ratings

From Date

mm/dd/yyyy

To Date

mm/dd/yyyy

Apply

Clear

Quick Filters:








Today

This Week

This Month

Recent Feedback


Showing 1-10 of 15

#	Sender	Message	Rating	Time Received	Actions
21	255744648052	i had a bad experience	★ (1/10)	Jun 19, 2025 3:34 PM	
20	255744648052	good!	★★★★★★★★ (10/10)	Jun 19, 2025 3:33 PM	
19	255744648052	nice	★★★★★★★★ (9/10)	Jun 19, 2025 3:32 PM	
18	255744648052	had an amazing experience	★★★★★★★★ (10/10)	Jun 18, 2025 7:25 PM	
17	255744648052	the waiter was mean	★★★ (3/10)	Jun 18, 2025 6:39 PM	
16	255744648052	Had a bad experience	★★ (2/10)	Jun 18, 2025 3:59 PM	
15	255744648052	Bad experience	★ (1/10)	Jun 18, 2025 3:24 PM	

## 4. Admin Dashboard Features

route: /index.php

- View all collected feedback
- Export PDF reports using xhtml2pdf
- Edit organization details
- Manage users (add/edit/delete)

**Mrejeshe Bot**

DASHBOARD


FEEDBACK


PROFILE


LOGOUT


Dashboard Overview

Welcome back, user

**15**  
Total Feedback

**6.3/5**  
Average Rating

**1**  
Positive (4-5 stars)

**4**  
Negative (1-2 stars)

Recent Feedback

#	Sender	Message	Rating	Time Received
1	255744648052	i had a bad experience	★	Jun 19, 2025 3:34 PM
2	255744648052	good!	★★★★★★	Jun 19, 2025 3:33 PM
3	255744648052	nice	★★★★★★	Jun 19, 2025 3:32 PM
4	255744648052	had an amazing experience	★★★★★★	Jun 18, 2025 7:25 PM
5	255744648052	the waiter was mean	★★★	Jun 18, 2025 6:39 PM



## **5. Testing Instructions**

### **Admin Test**

- Register a test org
- Scan QR code with WhatsApp
- Trigger bot by sending secret code

### **Client Feedback Test**

- Respond to bot's questions
- Check dashboard for saved data

### **Export Report Test**

- Login to dashboard
- Click export PDF → download summary

## Summary

Feature	Description
Multi-language	English + Swahili NLP support
SMS/USSD Capability	Works without internet
Admin Dashboard	Full UI for managing feedback
PDF Reports	Automatically generated insights
Open-source	Built with PHP, Node.js, MySQL

**Mrejesho Bot empowers Tanzanian businesses to digitize their customer voice channels and make smarter decisions through localized, low-cost technology.**