Installation and Usage Guide- USER MANUAL

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PROJECT TITLE: MREJESHO BOT

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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 sript '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);
```
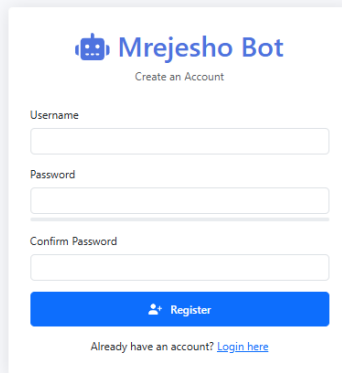
Step 3: Install Node Bot Dependencies

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')

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.

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

4. Admin Dashboard Features

route: /index.php

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

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.