

# Web-Based Orphanage Management System - README

## Project Overview

The Web-Based Orphanage Management System is a centralized online platform developed to streamline and digitize the operations of orphanages. The system serves three primary user roles - Admins, Trust Members, and Donors - enabling transparent communication, efficient resource management, and real-time donation tracking.

## Key Features

- Role-Based Access Control
- Inventory Management
- Secure Online Donations
- Reporting & Transparency
- Responsive Design
- Email Notifications

## User Roles

### **\*\*Admin\*\***

- Approve/Reject registrations for donors and trusts.
- View and manage donation and inventory data.
- Monitor the overall system.

### **\*\*Trust\*\***

- Post resource needs (food, clothing, money).
- Manage inventory and track donations.
- Accept or reject donations.

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## **\*\*Donor\*\***

- Register and log in to the system.
- View orphanage needs and donate.
- Track donation history and receive updates.

## **Tech Stack**

Frontend: HTML, CSS, JavaScript

Backend: PHP

Database: MySQL

Hosting: Compatible with any LAMP stack server

Tools: Bootstrap, jQuery

## **System Requirements**

Software:

- OS: Windows / Linux / macOS
- Web Server: Apache/Nginx
- PHP 7.x or higher
- MySQL 5.x or higher

Hardware:

- Processor: Intel Core i5
- RAM: 2 GB or higher
- Disk: 250 GB (for DB and logs)

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## Security Features

- Encrypted password storage (e.g., bcrypt)
- Prepared statements to prevent SQL injection
- Session management and auto-logout
- HTTPS support for secure data transmission

## Testing

- Functional Testing
- Integration Testing
- Security Testing
- Performance Testing
- Cross-Browser Testing

## Future Enhancements

- Mobile App Integration
- Recurring Donation Options
- Pickup Scheduling for Physical Donations
- AI-Based Recommendation Engine
- Donor-Orphanage Feedback System

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