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Project Documentation: Custom PHP Web Application for Member Management System

Document Overview
Date: October 06, 2025
Client Requirement: Development of a PHP-based web application based on provided handwritten wireframes (original + additional 5 images). The app focuses on member registration, verification (via Aadhaar OTP), management, death claims processing, donations (including annual/Varshik Dan), police verification, nominee handling, and admin dashboards for district/state core teams.

This document provides a high-level description of all key pages and features derived from the uploaded images. It includes UI/UX flows, form fields, and functionalities. The application will be built using PHP (with MySQL for database, Bootstrap for frontend, and libraries like TCPDF for PDF generation, PHPMailer for emails, and Twilio/WA API for WhatsApp if needed). Security features include Aadhaar OTP integration (via UIDAI API), file upload validation, role-based access (Admin, District User, State Team, Member), and duplicate checks for transactions.

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User Roles
- **Admin**: Full access to create users, reset passwords, manage all members, approve applications, generate OTPs via SMS/Email/WhatsApp.
- **District User/Member**: View/edit own details, submit applications (e.g., death claims, donations), access district dashboard, upload receipts.
- **State Core Team**: Review/approve district submissions, generate reports, download PDFs, verify transactions.
- **President/Commission User**: Login-specific views for oversight, password changes.
- **Nominee**: Limited access for death claims (OTP verification only).

Key Pages and Features
Based on all wireframes (~20-25 interconnected pages). Summarized by module, with new additions marked (*New*).

1. Authentication & Registration Module
- **Page: Login Module**
  - Fields: Mobile Number/Email/Aadhaar Number, Password.
  - Actions: Standard login; on success, redirect to Dashboard. Supports OTP fallback.
  - UI: Bilingual (Hindi/English) form with "Enter" button.

- **Page: Generate OTP (SMS/Email/WhatsApp) *New***
  - Fields: District Code (Dropdown), Generate ABC Code (e.g., ABC/000001/25), Message Text.
  - Actions: Generate and send OTP via SMS/Email/WhatsApp channels. Auto-generate unique code.
  - UI: Form with channel selection (SMS | Email | WhatsApp), "Generate Msg" button.
  - Flow: Used for bulk or individual OTPs; integrates with UIDAI for Aadhaar-linked sends.

- **Page: Forget Password *New***
  - Fields: Mobile Number/Aadhaar Number, Enter OTP, Create Password, Confirm Password.
  - Actions: Send OTP to registered mobile/Aadhaar, Verify OTP, Create/Confirm new password, Submit.

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- UI: Step-wise: Enter Number → Send OTP → Enter OTP → Verify → Create/Confirm Pass → Submit.
- Flow: Resets password securely; logs activity for admin review.

- **Page: Registration Form (Updated with Nominee & Payment)**
  - Fields: Mobile Number, WhatsApp Number, PAN Card Number (Optional), Email ID, Nominee Details (Aadhaar Card Upload, Enter OTP, Verify, Name, Father Name, Gender, DOB, Address, Adhar se Rasta? (Checkbox), Nominee Mobile, Transaction ID, UTR Number (for Payment), Create Password, Confirm Password, Referral Code (Optional), Checkbox: "I have read all terms & conditions".
  - Actions: OTP Verify on Aadhaar/Nominee, Check Unique Number, Submit to generate Unique ID, Duplicate Transaction Check.
  - UI: Multi-step form with auto-fill (e.g., from Aadhaar), file uploads for PAN/Aadhaar, payment proof upload.

- **Page: Police Verification Form**
  - Fields: Aadhaar Card Self (Upload), Name, Father Name, Gender, Occupation (Govt/Private/Jobless dropdown), Department (Permanent/Other), Post Name, Self Intro (Text), Uploads: 1. Joining Office Detail, 2. Salary Slip, 3. Appointment Letter, 4. Departmental ID Card, 5. Other Document (Name + Upload).
  - Actions: OTP Verify, Submit for approval, Generate Code.
  - UI: Dropdown for occupation, file upload sections with checkboxes.

2. Admin Dashboard Module
- **Page: Admin Main Dashboard (Updated)**
  - Sections:
    - Staff Members List (Upload Video/Image for members).
    - Reset/Change Password - All Users (Bulk option, including Confirm New Password).
    - Enter Unique Number → Show Detail/Create Password.
    - District Members President Login.
    - View All Varshik Dan (Annual Donations) on Login *New*.
  - Actions: Generate password, View full details, Change Profile (Mobile/Email/Occupation).
  - UI: Sidebar menu with icons (e.g., (1) Dashboard, (2) District Member List - Active, (3) Death Application - Pending/Approved). Table for donations (S.No | Unique No | Name | Amount | etc.).

- **Page: All Source Code/Admin Password Management**
  - Actions: Create Web User, District Commission User, Assign Role According to Roll, Other Roll.
  - UI: Table for user list, search by unique number.

- **Page: Reset Password (District Only) *New***
  - Fields: Enter Unique Number, Show Detail, Create/Confirm New Password.
  - Actions: Generate & Send New Password via SMS/Email/WhatsApp.

3. Member Management Module
- **Page: Member List/View Details (Updated Dashboard)**
  - Fields (for Member): Login/Profile, Mobile Number, Email ID, Change, Occupation, Upload Photo (Browse), IP Card, Unique Name, DOB, Address, Mobile, Registration, Signature at Organization.
  - Actions: Edit, Delete, Export to PDF, Transaction ID Check (Not Duplicate).
  - UI: Table format (e.g., S.No | Unique No | Name | Mobile | Aadhaar | Date). Upload sections for Photo/Signature/IP Card.

- **Page: District Team Management**
  - Sections: All District Team from Bandh, Active Members, Remove Member - District Members.
  - Actions: Assign to District, Full Detail All Members.
  - UI: Filters for Active/Pending.

- **Page: State Core Team Qualify Check**
  - Actions: Check All Parameters - Qualify by Members, Download PDF for

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Physical Verification.
   - UI: List with checkboxes (e.g., S.No | Name | Father | Village | Mobile | etc.), Generate Number → Name Join Lottery System.

4. Death Application & Sahayog Module (Updated)
- **Page: Death Application Submission (Updated with Nominee)**
   - Fields: Date of Death, Death Reason (Caused/Normal), Upload Death Certificate, Nominee: Name, DOB, Address, Father/Gender/Mobile, Account Number, IFSC, Branch Name, Address to IFSC Aadhaar, Upload UPI QR Code, Upload Passbook, PAN Card Upload, Transaction Slip Upload *New*.
   - Actions: Send to State Team, OTP Verify (for nominee), Check Duplicate Transaction.
   - UI: Multi-section form (Deceased Details, Nominee Details, Payment Proof).

- **Page: Death Sahayog (Aid) List**
   - Actions: Show All (100/500 entries), Search Text, Submit.
   - UI: Table (S.No | Name | Unique No | Amount | Donation Member | District | Sahayog Date).

- **Page: Death Received *New***
   - Fields: Upload PAN Card, Transaction Slip (February), Photo, Upload Death Received.
   - Actions: Detail of State, Upload Receipt, Enter Amount.
   - UI: Form for uploads, table for IFSC No, Bank, Branch.

- **Page: Varshik Dan (Annual Donation) Upload *New***
   - Fields: Uploaded Varshik Dan, FSC No, Bank, Branch, Upload Receipt, Enter Amount, Date, Transaction ID.
   - Actions: Octane of Donate (Details), Present No. Branch.
   - UI: Upload form with transaction verification.

- **Page: Varshik Dan Suchi (Annual Donation List)**
   - Fields: Select District Dropdown, Search Text.
   - UI: Table with filters for donations.

- **Page: District Sahayog**
   - Similar to above, focused on district-level aid applications.

5. Donation & Coupon System (Updated)
- **Page: Donate - Sahayog Amount**
   - Fields: Amount, Unique ID, Transaction ID (Check Not Duplicate), Upload Slip.
   - Actions: Submit for approval, Send to State Team Review/Check.
   - UI: Form with duplicate check alert.

Database Structure Outline
- **Users Table**: id, unique_id, aadhaar, mobile, email, password, role, district_code, created_at.
- **Members Table**: user_id, name, father_name, dob, gender, address, occupation, photo, signature, ip_card.
- **Nominees Table**: member_id, name, aadhaar, mobile, dob, gender, address, account_no, ifsc, pan.
- **Death_Applications Table**: id, member_id, date_of_death, reason, certificate_upload, status (pending/approved), transaction_id.
- **Donations Table**: id, user_id, amount, receipt_upload, transaction_id, date, type (sahayog/varshik), duplicate_check (bool).
- **OTPs Table**: id, user_id, otp_code, channel (sms/email/whatsapp), expiry, used (bool).
- **Passwords_Reset Table**: id, user_id, old_pass, new_pass, otp_used.

Indexes on unique_id, aadhaar, transaction_id for quick lookups/duplicates.

Technical Stack
- **Backend**: PHP 8+, MySQL 8+.

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- **Frontend**: Bootstrap 5, jQuery for forms/AJAX OTP.
- **Integrations**: UIDAI API (Aadhaar OTP), PHPMailer/Twilio (SMS/Email/WhatsApp), File uploads with validation (max 5MB, PDF/JPG).
- **Security**: PDO for SQL, bcrypt passwords, CSRF tokens, rate-limiting on OTP (3 attempts).
- **Other**: TCPDF for PDF exports, Cron jobs for OTP expiry.

Deployment: Shared hosting (e.g., Hostinger) or VPS (DigitalOcean). Bilingual support via gettext.

Development Cost Estimate
Based on ~25 pages, medium complexity (OTP integration, uploads, duplicates). Timeline: 4-6 weeks for 1 developer.

Component	Description	Estimated Cost (INR)	Notes
Core Development	PHP backend, MySQL setup, all pages/forms (incl. new OTP/Password/Donation features).	26,540	Includes Aadhaar API integration (free UIDAI, but ASA setup ~₹16,000 if needed).
UI/UX Design	Bootstrap wireframes to responsive pages, bilingual labels.	Included	Basic, no custom graphics.
Integrations	OTP (SMS/Email/WhatsApp via Twilio ~₹0.80/msg), file uploads, duplicate checks.	Included	Testing quota: 1,000 free OTPs.
Security & Testing	Validation, role-based access, unit tests, duplicate transaction logic.	Included	Includes 1 week QA.
Deployment & Docs	Hosting setup, user manual, source code handover.	Included	Excludes ongoing hosting (~₹800/month).
Subtotal		**26,540**	20% buffer for revisions included.

Web Hosting and Domain
1. Web Hosting + Domain (48 Month Webhosting and 3 year Domain)
   - ₹6,255 (approx)

Total Payment
1 - 26,540/- (Development Charges)
2 - 6,255/- (Web Hosting + Domain)

32,795/- (Total Charges)
-5,000/- (Adv)

27,795/- (Remaining Payment)

"Note: This is not an exact estimate; it can be modified based on the requirements.
Are there any additional charges for extra features added to this estimate?
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- **Page: District Team Management**
- Sections: All District Team from Bandh, Active Members, Remove Member -
District Members.
- Actions: Assign to District, Full Detail All Members.
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- **Page: State Core Team Qualify Check**