

Harambee Platform – Complete Technical Blueprint

Platform Vision

- Harambee is a secure web platform designed for African community fundraising and structured group contributions.
- It allows groups, associations, and societies to organize campaigns, track contributions, manage membership, and transparently control funds.
- The platform emphasizes accountability, executive governance, and clear financial records.

Core Technology Stack

- Frontend: HTML5, Bootstrap 5, JavaScript, AJAX
- Backend: PHP
- Database: MySQL
- Security: CSRF protection, password hashing, prepared SQL statements
- Hosting: Apache or Nginx (WAMP during development)

User Roles

- SuperAdmin – global control and dispute resolution
- President – leadership and financial approvals
- Vice President – secondary leadership and approvals
- Treasurer – financial oversight and reports
- Secretary – membership approval and communication
- Members – contributors and participants

Group Rules

- Minimum 8 members required per group
- All executive roles must be filled before activation
- Groups can require monthly, quarterly, or annual subscriptions
- Group registration may have a flat fee depending on size

Campaign Categories

- Funeral Contributions
- School Fees
- Health Emergencies
- Special Events
- Community Projects

Financial Model

- 3 percent facilitation fee deducted from payouts and membership collections
- Groups may store funds in platform wallet or external bank/mobile wallet
- External accounting option available for paid groups
- Transparent ledger records every transaction

Withdrawal Approval Workflow

- Withdrawal request created by an executive
- All executives notified
- Minimum 3 out of 4 executive approvals required
- Funds released after threshold approval

Messaging and Communication

- Group chat per campaign
- Private member messaging
- Executives can broadcast announcements
- Phone numbers hidden from members

Security and Transparency

- Password hashing and secure authentication
- Role-based permissions
- Audit logs for financial and administrative actions
- Input validation and XSS protection

Database Schema (Core Tables)

- users
- roles
- groups
- group_members
- subscriptions
- subscription_payments
- campaigns
- contributions
- wallets
- wallet_transactions
- withdrawal_requests
- withdrawal_approvals
- messages
- group_chats
- notifications
- disputes
- audit_logs

ERD – Key Relationships

- Users belong to many Groups through group_members
- Groups create many Campaigns
- Campaigns receive many Contributions
- Groups have a Wallet for funds
- Wallets record Wallet Transactions
- Withdrawal Requests belong to Campaigns and Groups
- Withdrawal Approvals are made by Executives
- Users send Messages and Group Chats
- Audit Logs track all system actions

System Money Flow (Contribution Lifecycle)

- User selects campaign
- User submits contribution using M-Pesa, card, or manual record
- Payment is verified

- Contribution stored in database
- Funds added to group wallet ledger
- Platform deducts facilitation fee
- Executives request withdrawal
- Executives approve withdrawal
- Funds released to destination wallet or bank

Full Website Page Structure (UI Blueprint)

- Homepage
- About Harambee
- How It Works
- Public Fundraisers Directory
- Login Page
- User Registration Page
- Forgot Password Page
- User Dashboard
- Create Group Page
- Group Dashboard
- Membership Management Page
- Executive Management Page
- Subscription Payment Page
- Campaign Creation Page
- Campaign Details Page
- Contribution Page
- Contribution History Page
- Wallet Dashboard
- Withdrawal Request Page
- Withdrawal Approval Page
- Group Chat Page
- Private Messages Page
- Notifications Page
- Reports Page
- Dispute Submission Page
- Admin Dashboard
- Admin Campaign Moderation Page
- Admin Dispute Resolution Page
- Audit Logs Viewer

Development Roadmap

- Phase 1 – System planning and ERD creation
- Phase 2 – Authentication and user management
- Phase 3 – Group and membership system

- Phase 4 – Campaign creation
- Phase 5 – Wallet and accounting ledger
- Phase 6 – Executive withdrawal approvals
- Phase 7 – Messaging and notifications
- Phase 8 – Reporting tools
- Phase 9 – Admin moderation system
- Phase 10 – Payment integrations (M■Pesa, cards)
- Phase 11 – Security testing
- Phase 12 – Production deployment

Future Enhancements

- Mobile app
- M■Pesa STK Push automation
- Fraud detection monitoring
- Public fundraiser discovery system
- Advanced analytics dashboard