

Software Requirements Specification (SRS) for NODO

1. Project Overview

NODO is a collaboration platform designed to streamline communication, resource sharing, and project tracking among NGOs. It addresses challenges such as misaligned goals, fragmented systems, and lack of real-time updates by providing a centralized, user-friendly, and mobile-accessible solution.

2. Stakeholder Needs

Based on survey responses, the key stakeholders and their needs are:

- NGO Managers & Coordinators: Centralized dashboards, real-time updates, simplified communication tools.
- Field Volunteers: Mobile-friendly access, support for low internet and regional languages, task tracking.
- Donors/CSR Representatives: Transparency in donation tracking, secure and simple interfaces.

3. Functional Requirements (MVP)

Essential and feasible features for the initial release:

- Centralized Dashboard for donations, volunteer management, and project progress.
- Real-time Communication Tools (basic chat or messaging).
- Task Assignment and Tracking.
- Basic Reporting Module.
- Mobile-Friendly Interface.
- Multi-language Support.

4. Non-Functional Requirements

- Usability: Intuitive UI for users with limited tech knowledge.
- Accessibility: Mobile-friendly, supports low bandwidth and regional languages.
- Security: Data privacy, secure login, and encrypted communication.
- Scalability: Capable of handling multiple NGOs and large datasets.
- Performance: Real-time updates with minimal latency.

5. System Features

- Dashboard with real-time updates.
- Volunteer and donor profiles.
- Project timeline and milestone tracking.
- Notification system.
- Admin panel for NGO staff.
- Multi-language support.

6. Constraints

- Limited internet access in rural areas.
- Varying tech literacy among users.
- Budget constraints for smaller NGOs.

7. Assumptions

- Users have access to smartphones or basic computing devices.
- NGOs are willing to adopt a unified platform.
- Basic training will be provided for platform usage.

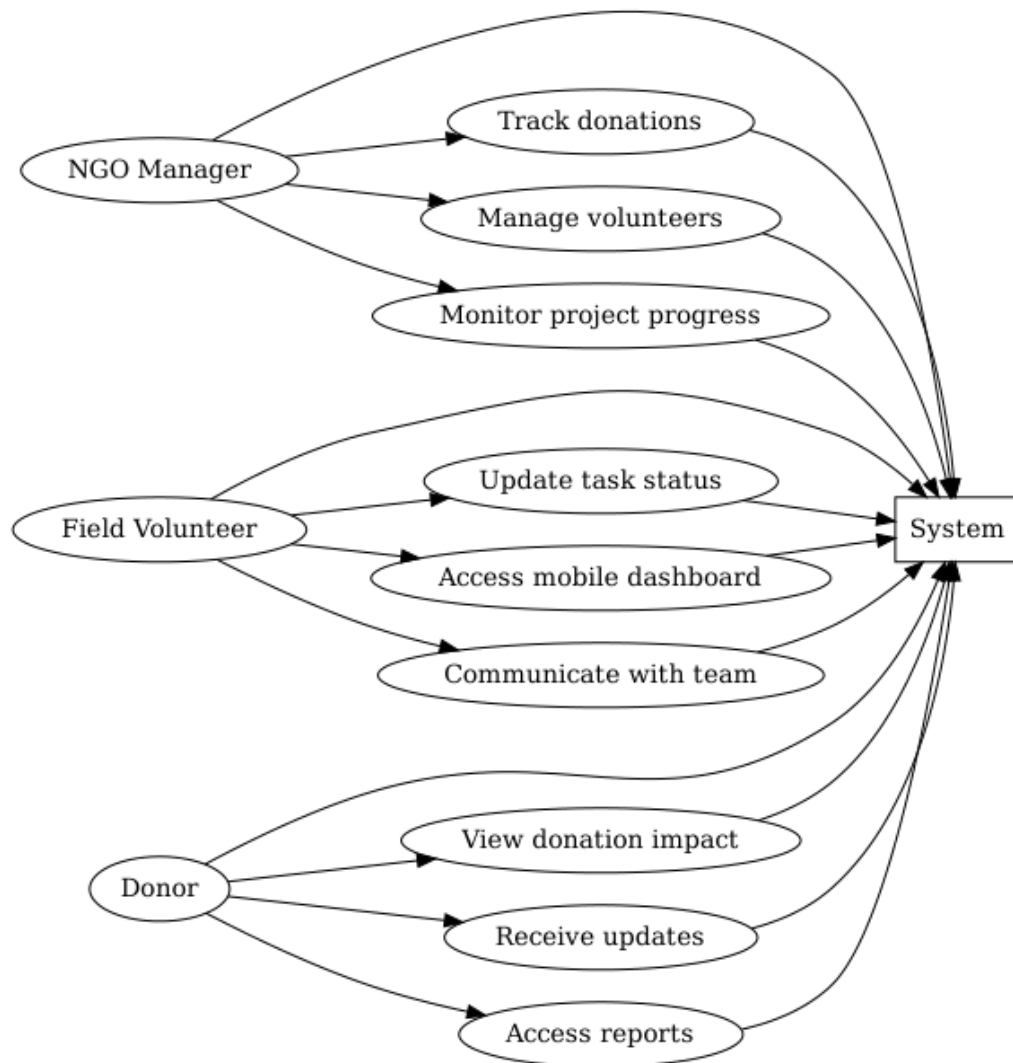
8. Summary

The NODO platform is designed to address the core challenges faced by NGOs in collaboration, communication, and resource management. By focusing on essential features and user-friendly design, the MVP aims to deliver immediate value while laying the foundation for future enhancements.

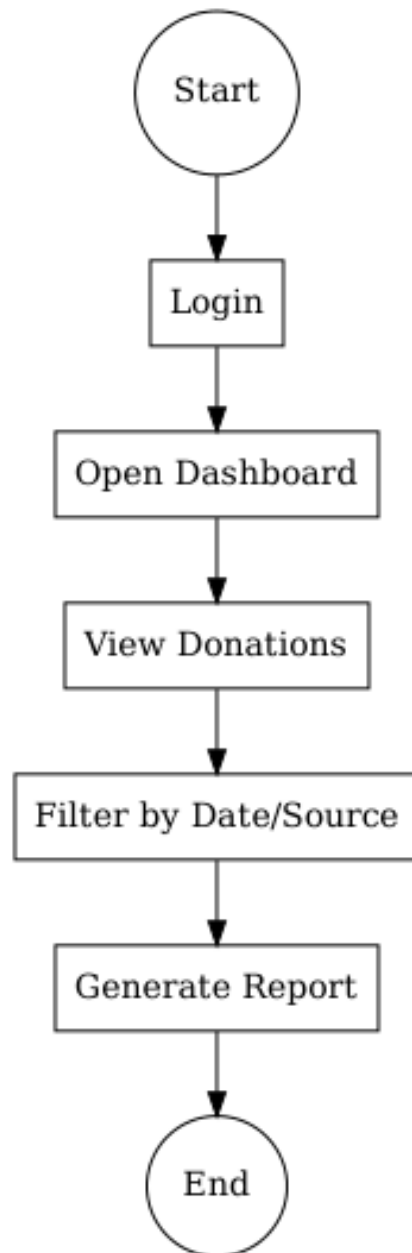
9. Conclusion

NODO has the potential to transform how NGOs collaborate and operate. With a focus on accessibility, transparency, and real-time updates, the platform will empower organizations to work more effectively and make a greater impact. The next steps involve development, testing, and deployment of the MVP, followed by iterative improvements based on user feedback.

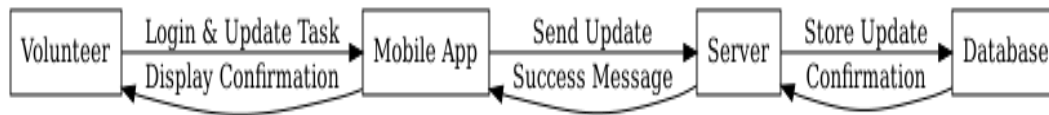
Use Case Diagram: Interaction between stakeholders and system.



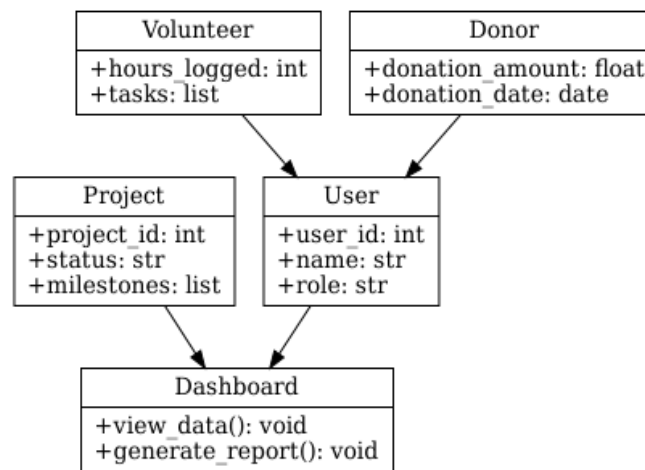
Activity Diagram: Workflow for tracking donations.



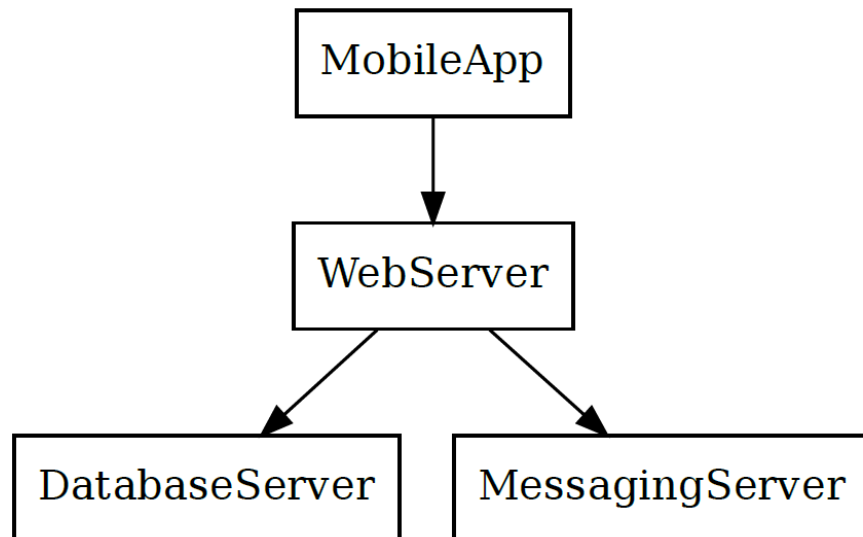
Sequence Diagram: Volunteer updating task via mobile app.



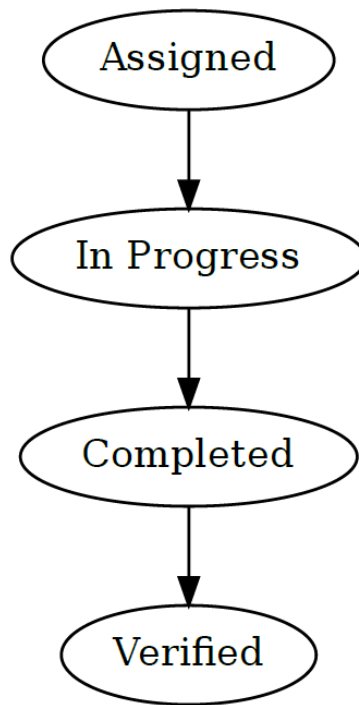
Class Diagram: Structure of system entities.



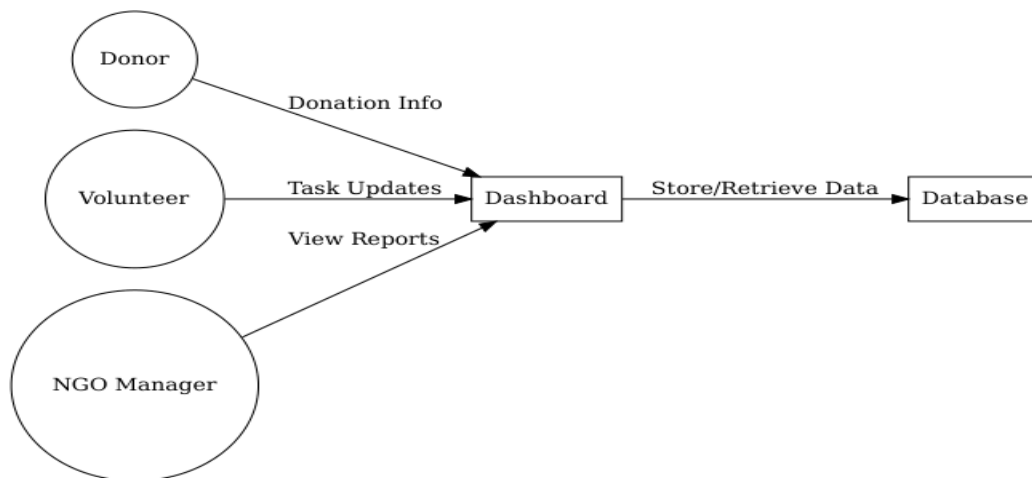
Deployment Diagram: NODO system deployment.



State Machine Diagram: Volunteer Task Status.



Data Flow Diagram (Level 0): High-level data movement across the system.



Data Flow Diagram (Level 1): Donation Tracking.

