

Sustainable Accessory Market

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Outline



01

Problem Statement



02

**High Level/ UML
Class Diagram**



03

**Advanced feature -
Request Flow &
Donate Flow**

Problem Statement



- Each year, a staggering 100 billion garments are produced, and out of these, a mind-blowing 92 million tonnes end up in landfills. This equates to a rubbish truck full of clothes being dumped every second.
- This waste is expected to soar to 134 million tonnes a year by the decade's end, placing even more strain on the planet.



➡ Propose a comprehensive and centralized donation management ecosystem.

Challenges in Community Resource Management:

- Inefficient Coordination: Donors, organizations, and volunteers struggle to communicate, leading to delays and confusion.
- Volunteer Mismanagement: Tasks like pickups and deliveries are hard to organize, resulting in underused resources and unmet needs.
- Unclear Roles: Undefined workflows cause confusion, slowing down the overall response.

Solution: Centralized Donation Management Ecosystem

Ecosystem & Network Management: Categorizes organizations into enterprises (e.g., style surplus, community outreach, distribution hubs) to ensure clear communication and accountability.

Organization & User Directory: Groups organizations into donors (personal, partner) and volunteers. A directory tracks individual roles, ensuring all actions are tied to authorized users.

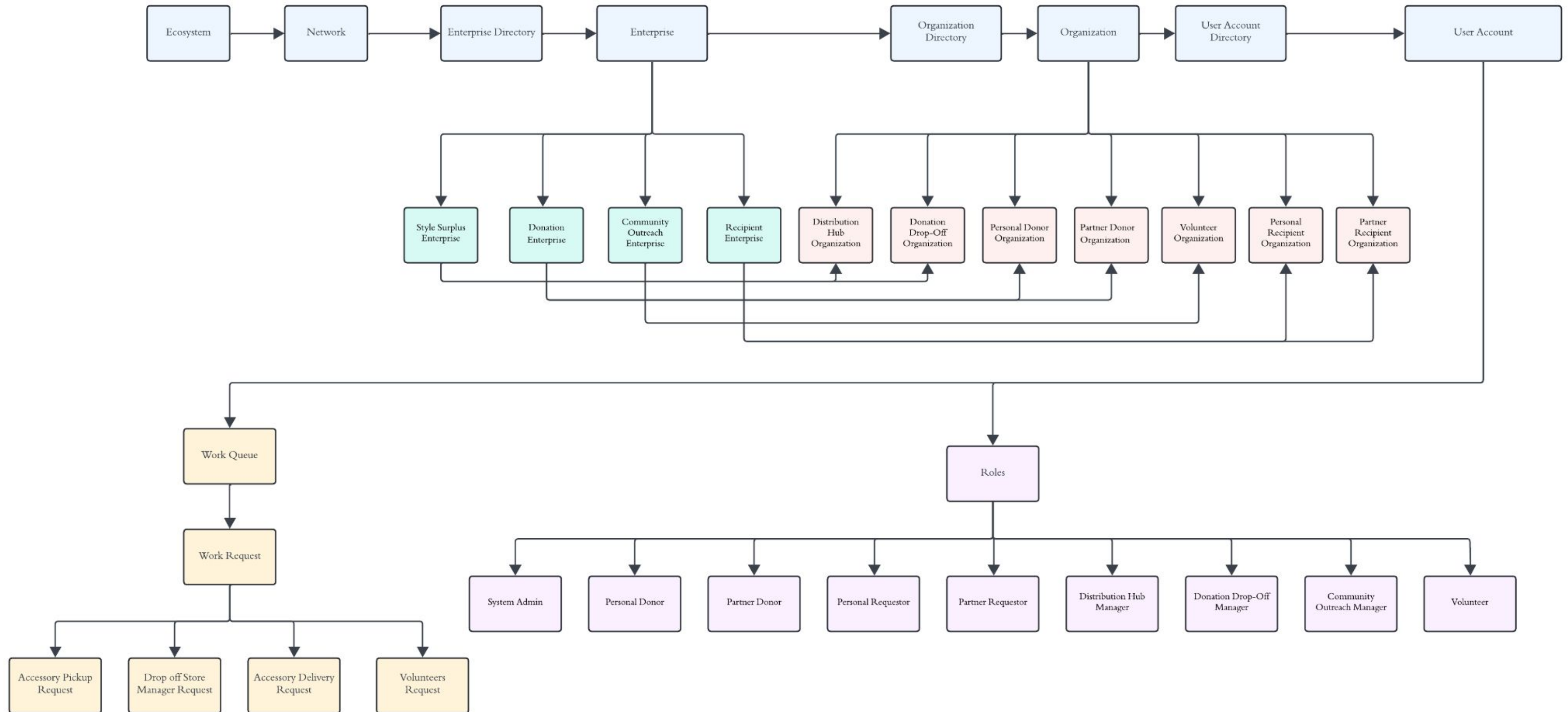
Work Queue System: Organizes requests (pickups, deliveries, volunteer tasks) through a work queue, ensuring tasks are assigned and monitored efficiently.

Role-Based Access: Users are assigned specific roles (admin, donor, volunteer), defining responsibilities and ensuring streamlined operations.

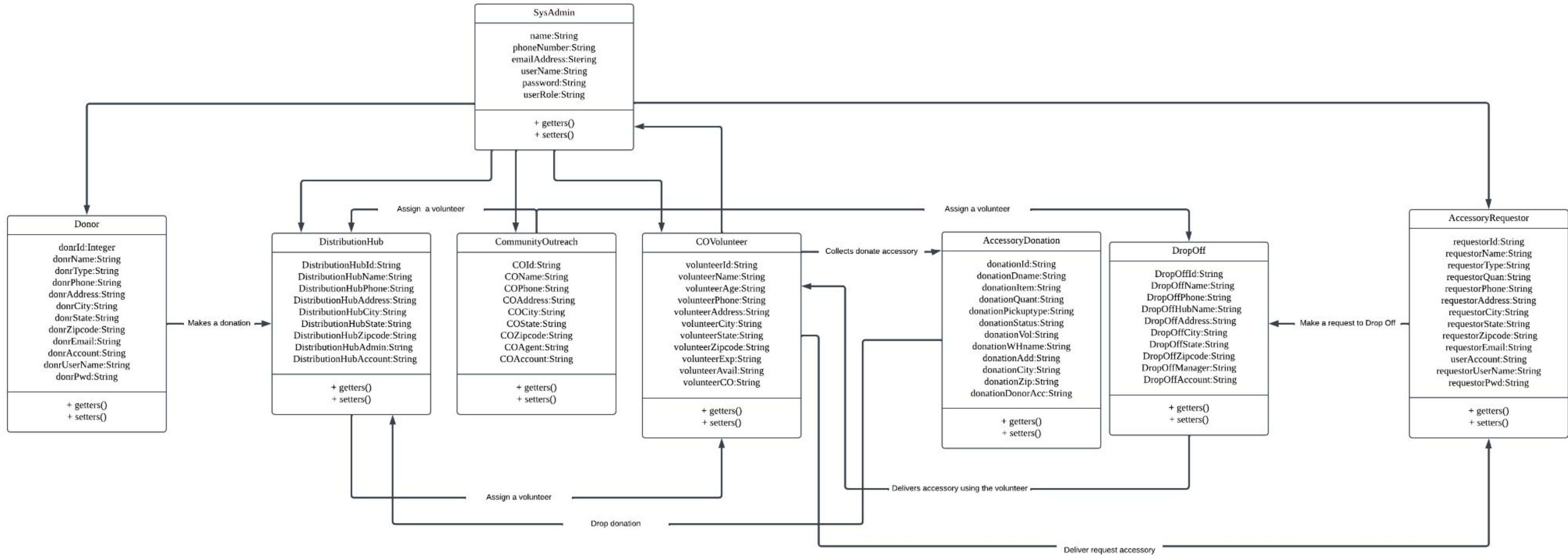
Scalability & Flexibility: Built to grow with the community, adapting to increasing demands and expanding resources.

This approach ensures **efficiency**, **accountability**, and **flexibility**, addressing the key challenges in community resource management.

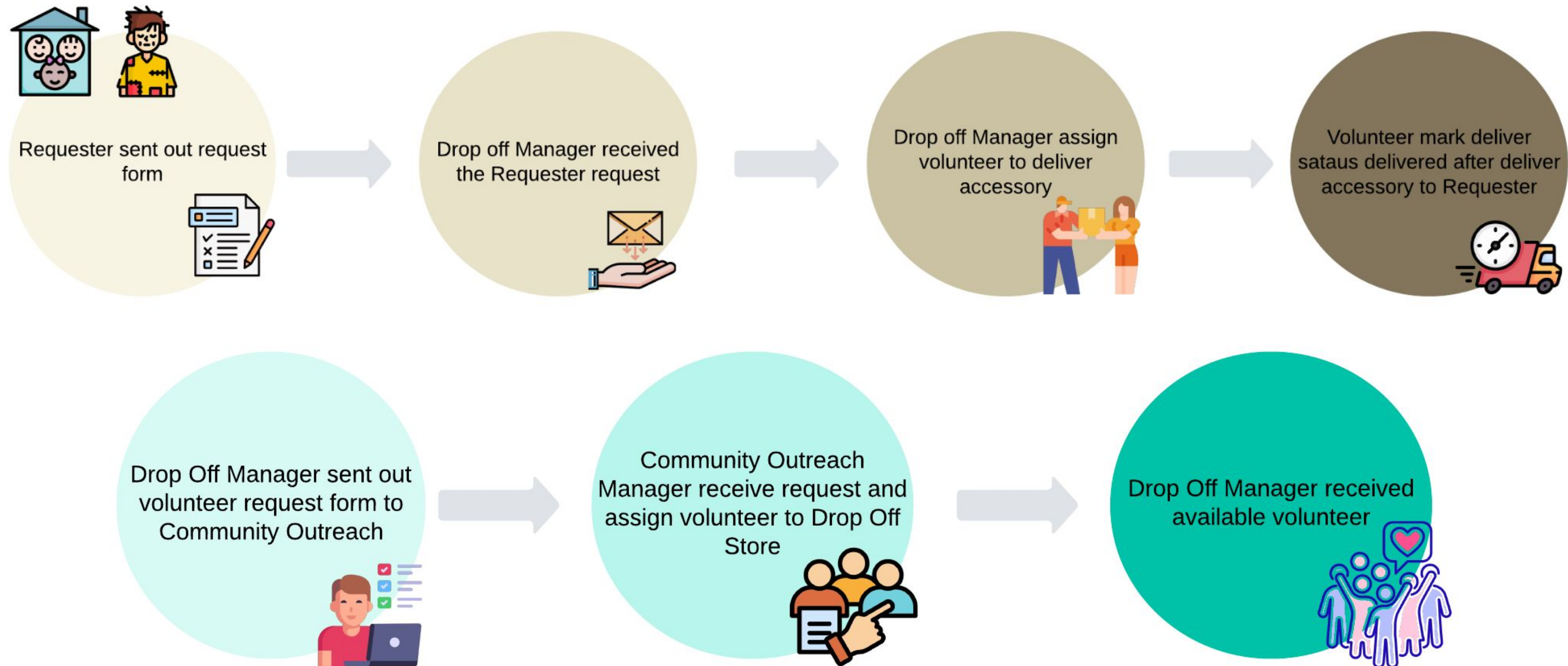
High-level component diagram



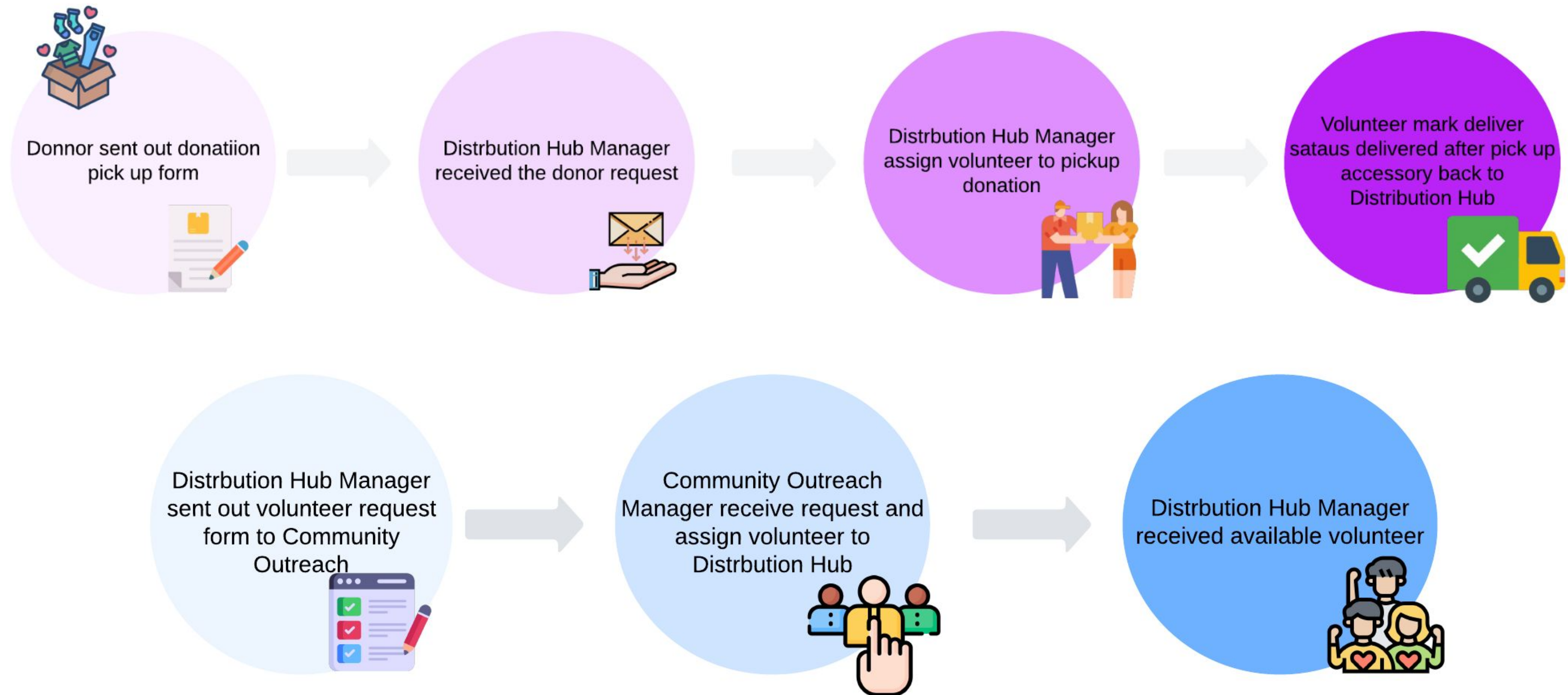
UML Class Diagram



Advanced feature - Request Flow



Advanced feature - Donate Flow



THANK
YOU

