Donation Management System

Project Overview:

One of the biggest challenges in charitable organizations is the **lack of transparency** in how donations are managed and used. This system aims to foster **trust, accountability, and responsible involvement** by offering transparency for managing an orphanage, shelter for the homeless or old age home.

Features:

1. **Visitor Role Selection:** Any site visitor can choose to act as a **donor**, a **volunteer**, or **both**.
2. **Entrusted Donor Access:** A visitor donating above a specified threshold becomes an Entrusted Donor. Entrusted Donors are unlikely to exploit the system because their large contribution implies a genuine interest in transparency, not personal gain. Giving such privileges to anyone could risk **creating syndicates** or **internal manipulation** for profit. Entrusted Donors can:
   - View **detailed expense reports** (purchases, item cost, source etc.).
   - Check if funds are spent fairly and raise concerns via a **public feedback forum**.
   - Help **verify reports**, ensuring the system remains corruption-free.

3. **Regular Donor Transparency:**
   - Regular donors contribute smaller amounts and do not gain access to detailed internal financial data.
   - They can see general expense summaries like how much was spent on food or medical care today, but **not supplier identities or purchase amounts**.
   - **Why restricted access:** Allowing full visibility to everyone opens the risk of manipulation. Someone could donate a small amount repeatedly to access sensitive data and **exploit it** by forming pricing **syndicates** with suppliers.

4. **Daily Expense Dashboard:** Displays a breakdown of daily expenses in categories such as: Food, Medical treatment, Repairs and utilities. Keeps the **total fund balance and vendor names hidden** to prevent misuse.

5. **Community Verification Requests:** Volunteers, regular donors, or visitors can request an **Entrusted Donor** to verify expense reports. This keeps corruption in check.

6. **Beneficiary Records:**
   ○ The system tracks details of each orphan or homeless resident, including:
      ■ Current needs (clothing, medicine, shelter)
      ■ Health conditions
      ■ Capacity and occupancy of the shelter

7. **"We Need" Dashboard:** Displays real-time needs of the organization. For example : beds, warm clothes, first-aid etc. Anyone can choose to donate or provide based on listed needs.

8. **Volunteer Skill & Availability Management:**
   ○ Filters volunteers by category (Technical, Logistic, Medical).
   ○ Volunteers marked "**Busy**" are removed from the active list.
   ○ System auto-finds replacements and can notify them for the scheduled task.

9. **Volunteer Hours & Certificate Generator:**
   ○ Tracks how many hours each volunteer has served.
   ○ After completing a threshold , the system generates a **service certificate** which can also help them in future. So win win for everyone.