**Social Connectivity System**

Title: Aramm, Udhavi, Innaiyam

Target Audience: Farmers, Local residents, Social Activists, Small Businesses

Type: B2C

Timeline: 4 weeks

Budget: Rs. 0

Total Members: 8

**Requirements**:

- Users can register and create profiles (Individuals/Organizations).

- Post community needs (medical, charity, business, etc.).

- Connect problem-owners with problem-solvers.

- Volunteer recruitment for social causes.

- Marketplace for farmers/small businesses.

- Medical camp coordination and donation tracking.

- Community/Guild formation tools.

- Integrated communication (calls/WhatsApp).

- Needs listing with categorization.

**Data Model:**

**User: Class**

- UserId: String

- Type: String ("Individual"/"Organization")

- Contact: String

- Location: String

- Skills: List<String> (for volunteers)

- NeedsPosted: List<Need>

- Volunteering: List<Cause>

**Need: Class**

- NeedId: String

- Category: String ("Medical"/"Charity"/"Business")

- Description: String

- Urgency: String ("Low"/"Medium"/"High")

- PostedBy: String (UserId)

**Cause: Class**

- CauseId: String

- Title: String

- VolunteersNeeded: Integer

- JoinedVolunteers: List<String> (UserIDs)

- Location: String

- Date: Long

**Marketplace: Class**

- ListingId: String

- SellerId: String (UserId)

- Product: String

- Price: Double

- Category: String ("Farm"/"Handmade")

**MedicalCamp: Class**

- CampId: String

- OrganizerId: String

- Requirements: List<String> (Medicines/Equipment)

- DonationsReceived: List<Donation>

**Donation: Class**

- DonationId: String

- Item: String

- Quantity: Integer

- DonorId: String

**Communication: Class**

- ChatId: String

- Participants: List<String> (UserIDs)

- LastMessage: String

- Timestamp: Long