

Direct Donation System

Donate unconditionally

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Final Individual Project

Problem Statement



Problem Statement

- Donating money instead of goods to poor people.
- Research shows that when people donate some goods to poor people the probability of them using it is very less and the probability of them exchanging it for money is very high. This research has clearly outlined that poor people needs money for their betterment.
- Research also clearly outlines that the percentage of people using the money for bad usage is very less and are using it to improve their life.
- Another statistic's shows that for every donated amount by donors around 95% of that amount gets used up in management, infrastructure, transportation and various other departments for making those money/goods reach to poor people. So, around 5% is what actually donated to poor people of the entire donation. This ratios is very high.

(The objective of this project topic is not to justify the political/moral correctness of donating directly to the poorest people, but try to build such system to prove it will work technically)

[Reference: http://www.ted.com/talks/joy_sun_should_you_donate_differently]

Solution



Solution

- **Donating Money** – Donate money instead of goods to poor people (Let them decide what is better for them)
- **Mobile Money** - Transferring virtual money to persons registered mobile number (This will remove bureaucracy in charity by eliminating majority of the department like transportation, infrastructure and management where money gets utilized.)
- **Location verification** – Verify the user's location, surrounding and house condition to identify whether a person is actually poor or not.
- **User authentication** – Mobile number(Username), password and pin to authenticate a user during transfer/withdrawal to overcome fraudulent usage.
- **Support** – Block account for any future transaction if a user reports loss/misuse of mobile/information. (This will eliminate misuse)

Scope



Scope

- System cover entire world
- Donor donates money to World Enterprise
- Field Experts at County level is responsible for creating various registration drive in entire country and validating poor people information
- Field Agents is responsible for visiting a place and registering poor people with personnel information, house condition, house GPS co-ordinates, providing mobile, number and creating their account.
- Country Admin registers various sites
- Finance team at World level:
 - Donates money to Poor People
 - Transfers money to Registered Sites.
- Poor People can:
 - Transfer money to another person
 - Transfer money to registered site
 - Withdraw money from registered site
- Generating Donation and Transaction reports
- Generating UserAccount logs

Assumptions



Assumptions

- All transaction are in USD \$
- Unique International ID is considered which is used while registering poor person
- Only 1 member can register per family
- Unique mobile numbers are linked to a person, which will be used as their username
- Validating persons information with actual proof when person visits registered site for withdrawing money
- Donation is made based on person age and number of family members
- Field Agents have GPS device to enter a persons house location co-ordinates

Assumptions

- Auto Donation

- Individual

if Age ≥ 18 && Age ≤ 25 \$500

if Age ≥ 26 && Age ≤ 40 \$600

if Age ≥ 41 && Age ≤ 55 \$700

if Age ≥ 56 \$800

- Family Member

if nos = 0 \$0

if nos ≥ 1 && nos ≤ 2 \$400

if nos ≥ 3 && nos ≤ 5 \$800

if nos ≥ 6 \$1000

Roles



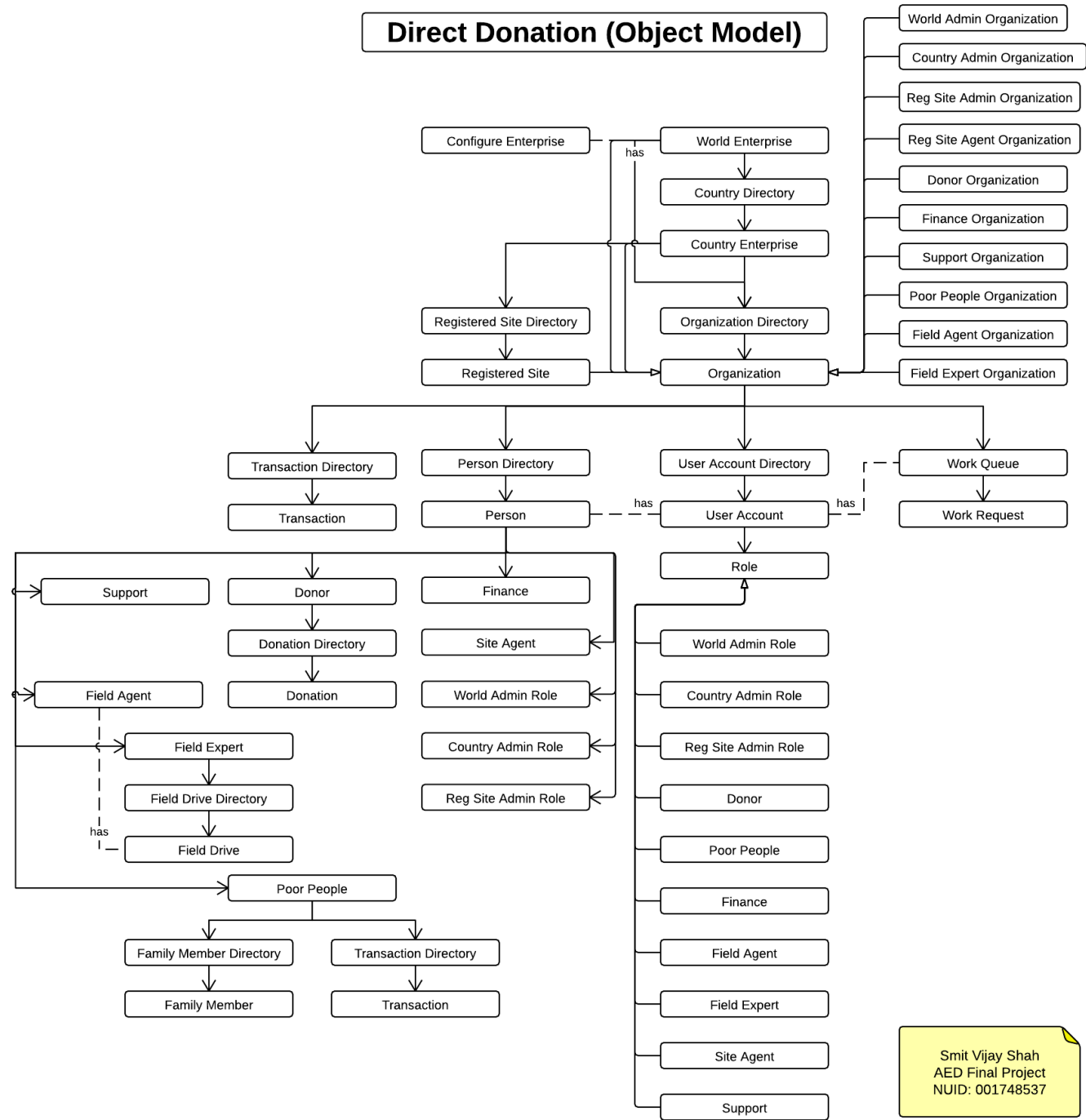
Roles

- World Admin
- Donor
- Poor People
- Finance
- Support
- Country Admin
- Field Experts
- Field Agents
- Registered Site Admin
- Registered Site Agent

Object Model



Direct Donation (Object Model)



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Responsibilities



World Admin

- Manages World Enterprise and its organization
- Manages users and user accounts of
 - World Admin
 - Finance
 - Support
 - Donor
- Manages Country Enterprise
 - Add New Country
 - Creates Country Admin
- Checks entire Transactions

Donor

- Registers
- Donates money
- Checks entire transaction
- Checks overall donation received and donation made

Finance

- Checks entire transaction
- Transfer money (Manual / Auto)
 - Virtual to Poor People
 - Real to Registered Site

Support

- Validates user
- Activate/Pending/De-Activate poor persons account in case of any reports made by them

Country Admin

- Manages Country Enterprise and its organization
- Manages users and user accounts of
 - Country Admin
 - Field Experts
 - Field Agents
- Manages Registered Site Enterprise
 - Add New Site
 - Creates Site Admin
- Checks entire Transactions

Field Expert

- Create various field drives
- Assigns Field Agents to drive
- Approve/Dis-Approve a poor person based on it information and housing condition

Field Agent

- Visits fields
- Registers poor person to the system (Enters entire details of the person like personal information, family member information and house information)
- Once person is activated, assigns mobile and number, creates account for use

Registered Site Admin

- Manages Registered Site Enterprise and its organization
- Manages users and user accounts of
 - Registered Site Admin
 - Registered Site Agents
- Checks entire Transactions

Registered Site Agent

- Verifies person visited for cash withdrawal
- Provides money

Poor People

- Updates PIN for transaction
- Transfers money to
 - Another person
 - Registered Site for purchase of some goods
- Withdraws money from Registered Sites

Thank You

