Team Confluence

Angel Donor Portal

High-Level Documentation

Hackmakers

WORLD INNOVATION DAY HACK 2022

Challenge 01
Tech for Good

Presentation Link:

Repositories Link:

Angel Donor Portal
https://apex.oracle.com/pls/apex/r/akpan1ne46/angel-donor/home1?session=13909454454666

Problem Statement

The first 72 hours after a major natural disaster represents a crucial race against time. This is when first responders are trying to save lives, assess the damage and resettle people who have lost their homes. It is also the period when the need for supplies is most acute. Relief workers call it the disaster, after the disaster. In a rush to help, members of the public send money to the wrong people along with unwanted items and unsolicited help.

- 80 percent of donations are made to support disaster relief after people are moved by images in the media (Pew Research Center)
- 60 percent items sent to support disaster victims are discarded (UPS post disaster report)
- Only 20 cents in every dollar collected helps people in need (Red Cross)

Proposed Solution

Angel Donor Portal **facilitates partnership** between **donors**, **suppliers** and **relief workers** at the disaster scene. It's an opportunity to put UN Sustainable Development Goal number 17 to action by creating partnerships to support emergency relief efforts when disasters occur.

It is a shared platform where organizations and first responder agencies from the local, national and international level can work together in the best interests of helping those in need.

It supports efficient resource distribution by providing line of sight to the public on what is needed to support active relief efforts. The platform works with approved

humanitarian agencies who are able to make requests for donations based on the items needed in a given location:

- **A global map pings with requests from agencies**
- **Members of the global community are able to donate directly to help with the cost of the request**
- **Agencies receive direct funding from members of the public to support relief efforts**

Block Diagram
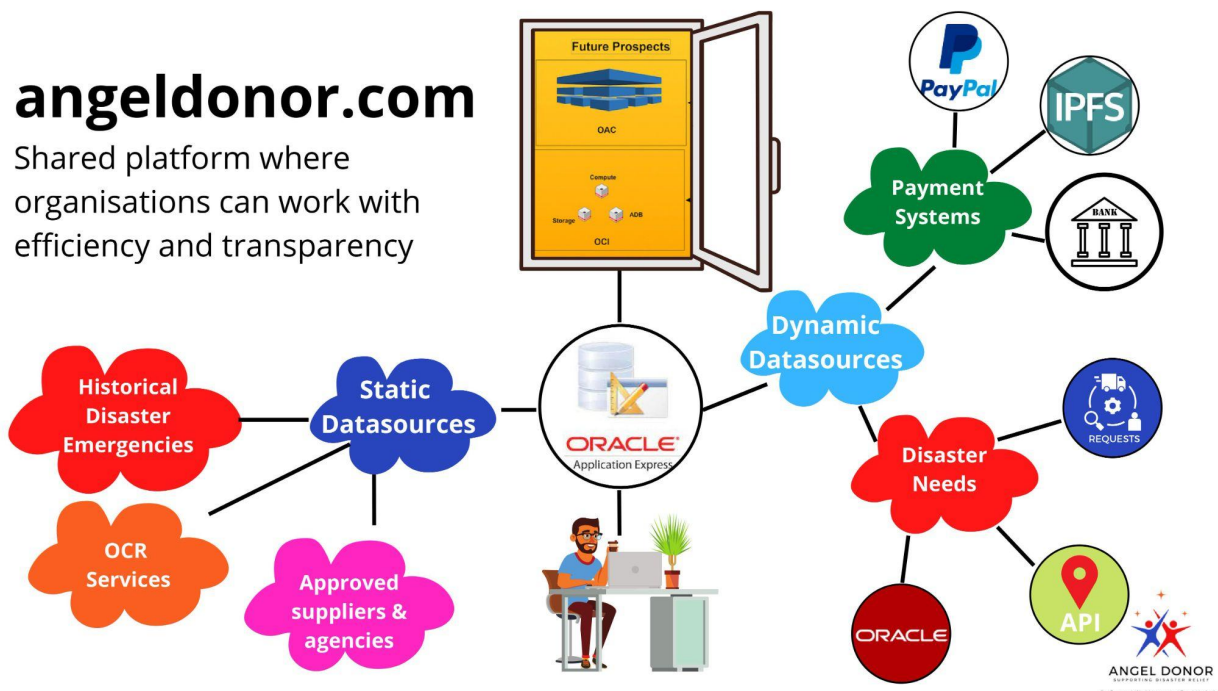
Site Map
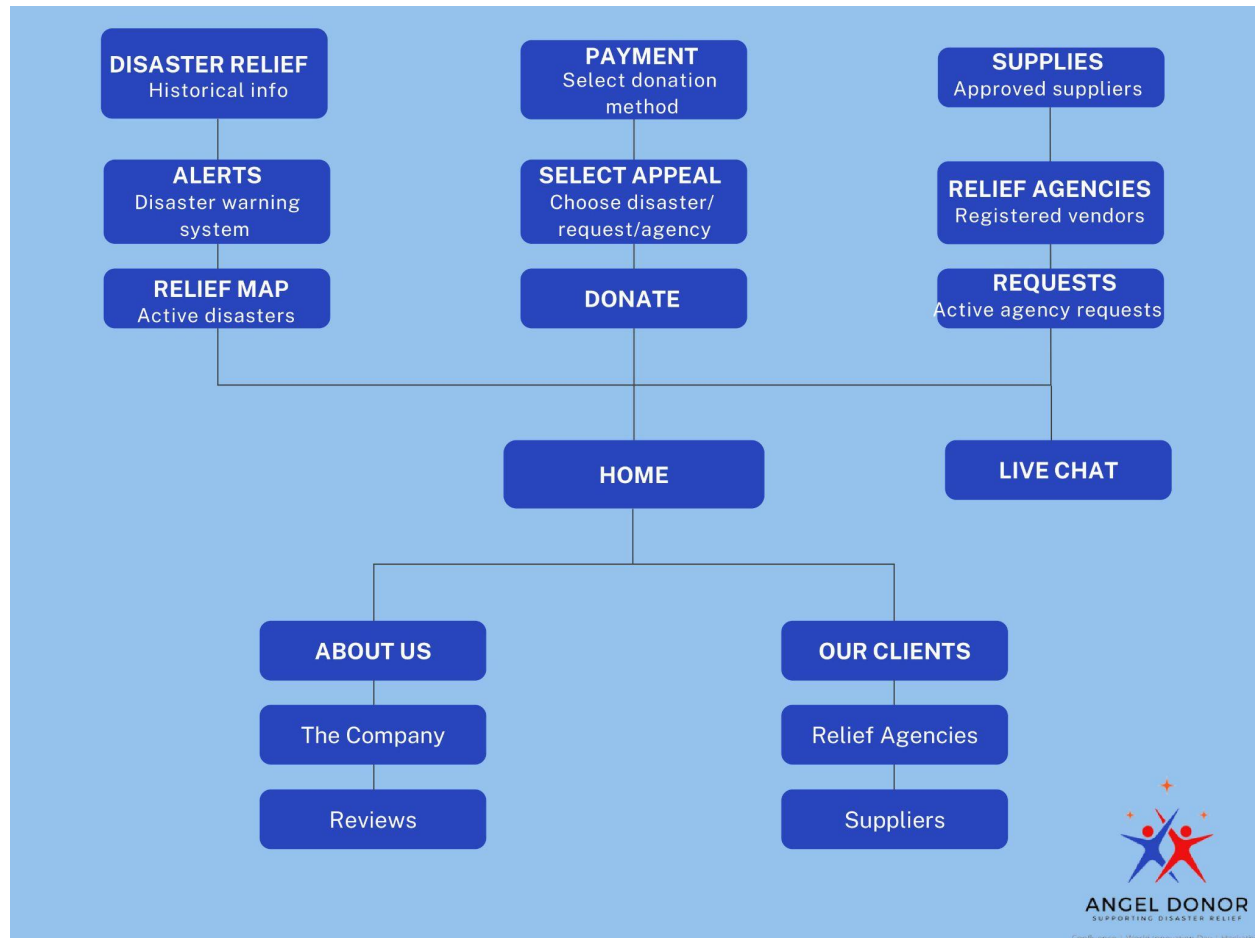
Purpose

Helping people after a disaster should be as simple as requesting an Uber.
Angel Donor introduces transparency and accountability in the chaotic aftermath of devastating events. The global community can visit the website, see what is needed and play a direct role in moving supplies to those in need.

The best way for the global community to support relief efforts during the limited 72 hour window of opportunity is through financial contributions that make it possible to connect those most in need with the items that they require.

Validation

Media reports and accounts from relief workers validates our problem statement. Members of the global community are compelled to help when natural disaster strikes. Despite numerous warnings from ground staff, people will find a way to send items that they think are needed or money that they believe will be useful. Humanitarian logistics expert Dale Herzog says 'in every case, I saw how this second disaster made it nearly impossible for humanitarian responders to run efficient relief operations. The influx of donations clogged shelters, airport tarmacs and warehouses, and drained the time and energy of the willing but scarce volunteers.'

Further reading here:
Ted Ideas
The Guardian
CBS News
NPR
The Conversation
Harvard Business Review

Market Size

TAM - $13 billion
The largest relief effort in history followed the December 26, 2004, earthquake and resulting tsunami in South Asia

SAM - $500 million
The amount of money donated is closely related to the scale of the disaster, as measured by the number of people who are killed and the number affected in other ways. Large-scale disasters affecting multiple countries attract $500 million in donations on average

SOM - $49 million
Is the average amount donated by the public after a natural disaster

This is according to a 2021 report by the Disasters Emergency Committee

Competition

	+	_
FundRazr	Best reputation	Subscription required for advanced professional tools
GoFundMe	No platform fee	Need US, UK, Australia or Canada registration for charity campaign
Mightycause	Advanced team and event management tools	Need US registration for charity campaign

Business Model

B2C:
- Makes money from platform and transaction fees
- Donations, sponsorships and funding from the global community

Go-to-Market Plan

- Sign-up 15 to humanitarian organizations in the world. These have the most effective support ecosystem according to UN data;
  - International Federation Red Cross and Red Crescent (IFRC),
  - The World Health Organization,
  - UNICEF, AmeriCares, Save the Children,
  - Catholic Relief Services, CARE International,
  - World Vision, Direct Relief,
  - World Food Programme (WFP),
  - Doctors Without Borders,
  - Action Against Hunger,
  - International Rescue Committee,
  - International Medical Corps,
  - Bangladesh Rehabilitation Assistance Committee (BRAC)

- Sign-up registered humanitarian organizations operating in **Asia and the Pacific**, the most disaster-prone region in the world

- Launch media campaign to raise awareness

Projections and Metrics

The following five year income and revenue projection is based on the assumption that Angel Donor will earn 3% in transaction fees on each donation made and 1% in platform fees on each agency request.

	Year 1	Year 2	Year 3	Year 4	Year 5
	$	$	$	$	$
Income					
Donations	490,000	2,450,000	4,900,000	9,800,000	19,600,000
Revenue					
Platform fees	4,900	24,500	49,000	98,000	196,000
Transaction fees	14,700	73,500	147,000	294,000	588,000
Total Revenue	**19,600**	**98,000**	**196,000**	**392,000**	**784,000**

Future Iterations

1. In the current iteration we have used an external plugin for the chatroom as proof of concept. In the next iteration we would like to build our custom chatroom.
2. Also, we will customize the webpages built on Apex to make them more user friendly.
3. We will also incorporate other Oracle technologies including OCI, ABD, along with compute storage and OAC for better analytics in the system.

The Team

Team Captain: Nnamse Akpan

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The Mentors

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And many more.

The Sponsors