Project Charter

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1   Project Name

GlassGift

2   Problem Statement

There does not exist a transparent and efficient way to keep track of donations between donors and non governmental organizations (NGOs such as nonprofits or charities), and with internet misinformation on the rise, this is more important than ever.

This application would allow users to make transparent donations to verified NGOs, which courts could use to substantiate NGOs by keeping a collection of transactions between these organizations and their donors. In addition to creating a platform where donors could find suitable NGOs, this application would also boost confidence in donors, ensuring them that their money is being used for a properly charitable cause, as opposed to a fake.

3   Project Objectives

Our team aims to develop a web application that:

- Allows users to register as NGOs or donors

- Allows NGOs to create a profile that shows information about themselves such as their mission, work, past received donations and other statistics

- Gives facility to users to search for NGOs by name and category

- Allows donors to make their contributions securely within the application to their NGO of choice

- Tracks donations for each donor and NGO

- Analyses data about users' activities on the application and displays information in an efficient and transparent manner

- Highlights trends and unexpected payments

4   Stakeholders

- **NGOs** - Non-governmental organization (eg. Non-Profits), those that take donations

- **Donors** - Those that want to donate to NGOs

- **Beneficiaries** - Those that are benefited from NGOs

- **Governments** - Those that oversee transactions for their own purposes

- **Product Owners and Developers** - *Peter Xeros, Anjali Malik, Jordan Pitlor, Noah Rinehart*

5   Deliverables

Web App

- A platform that NGOs can use to present themselves credibly to potential donors, and donors can utilize to find and make direct contributions to charities of their choice. This will also serve as a platform for all to monitor transparent payments, and ensure legitimate work of the participating charities.

- **Languages:** HTML, CSS, JS

- **Libraries:** React, Redux

Server

- Processes transactions between a donor and an NGO, and formats and dispatches data to be stored in the database

- Provides an api for the web app to fetch data from

- **Languages:** Node

- **Libraries:** Express.js

Database

- Stores data used by the server

- **Platforms:** mySQL, or MongoDB

6   CS 307 Projects

Peter Xeros

Musync: A cloud based Playlist for Android that allows for chatter amongst people in a room and room chat.

Git repository is private: https://github.com/bbennett905/musync

Anjali Malik

Lance: A web application for boilermakers to seek freelance work/cheap services within the campus.

https://github.com/anjalimalik/Lance/

Noah Rinehart

Friss Robotics: A webapp for First Robotics research gathering.

https://gitlab.com/friss-robotics/backend
https://gitlab.com/friss-robotics/web

Jordan Pitlor

Chatr: A web app called Chatr. It allowed developers to write modules for a conglomerate Facebook messenger chat bot (a la npm). Users would be able to look through the available modules and select which ones they want.

The repo has since been deleted from GitHub.