Project 10: Tuinue Wasichana

Problem Statement

In most sub-saharan countries, school going girls are unable to access pads and other supplies needed for their periods. The year 2016 studies from ministry of education revealed girls from poor families miss **20 % of school days** in a year due to lack of sanitary towels the data indicated that a girl in primary school between class 6 and 8 can lose up to 18 weeks out of 108 weeks while those in high school can lose almost **24 weeks out of 144** weeks of learning. An organisation dedicated to dealing with this problem is working on not just providing sanitary towels but also providing clean water and sanitation facilities such as toilets to ensure they are able to meet the guidelines for proper menstrual hygiene as defined by UNICEF.

Solution

One of the ways the organisation is looking to raise funds is by encouraging repeat donations. The goal would be to create a platform that allows users to donate to charity/charities such as this one regularly, to enable the organisation meet their goals. They are looking to create a product that automates the donation process by allowing donors to set up regular donations e.g monthly donations of stipulated amounts.

Team

Full Stack - React(Frontend) & Python(Flask)(Backend)

Users

A charity

A donor

An administrator

User Stories

A donor should be able to:

1. See a variety of charities they can donate to

2. Create an account on the platform

3. Choose a charity.

4. Donate to a charity.

5. Set up automated repeat donation or one-time donation.

6. Choose whether to be an anonymous donor or not.

7. Have reminders at the same time each month to donate

8. See stories about beneficiaries of your donations

9. Donate via paypal/stripe or any other third party service***

As a charity I should be able to:

1. Apply to be a charity on the platform

2. Once the request has been approved by the administrator set up charity details

3. View non-anonymous donors and their donations

4. View the amounts donated by anonymous donors.

5. View the total amount donated to the charity

6. Create and post stories of beneficiaries

7. Maintain a list of beneficiaries as well as inventory sent to the beneficiaries

As an administrator I should be able to:

1. Receive and review applications from charities

2. Approve/Reject applications

3. Delete charities'

Technical expectations

- Backend: **Python(Flask)**

- Database: **PostgreSQL**

- Wireframes: **Figma (Should be mobile friendly)**

- Testing Framework: **Jest & Minitests**

- Frontend: **ReactJs &Redux Toolkit(state management)**