Project Incomplete Features and Limitations

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1 Introduction

In this document, we will outline the features and functionalities that were planned but could not be fully implemented during the course of the project. We will categorize the incomplete tasks based on the different components of the system such as the Backend, Frontend, Database, and UI/UX.

2 Backend

2.1 Feature 1: `Payment gateway integration`

- This feature was meant to implement a secure standard banking gateway for the user to directly pay an NGO.

- We weren't able to get KYC approval for the same.

- We could push for KYC approval, following which the implementation would be possible.

2.2 Feature 2: `Cookies implementation`

- This feature would have enhanced the security of the system. Initially, we utilized local storage, and due to the architecture built around it, reverting to cookies was not a viable option. As a result, if a user navigates away from a page on our platform, the data is lost and cannot be retrieved upon their return

- Due to time constraints, we weren't able to switch the entire framework to move to cookies.

- Over a longer period, we can redesign the framework to work with cookies.

3 Frontend

3.1 Feature 1: `Recent donation bar`

- Add sector wise photos of each sector on the donation page (photo black and white initially, colored when hovered over)

- Whenever link clicked from bottom of page, next page also opens from bottom.

3.2 Feature 2: `An infinite loop moving Ticket Tape at the home page`

- Continuously fetching or updating data (e.g., live API calls for news or stock data) caused interruptions and jittery animations due to DOM re-rendering

- Use WebSockets or Server-Sent Events to fetch live updates and append them smoothly to the ticket tape.

4 Database

4.1 Feature 1: `Saving PDFs on database`

- In the NGO registration process, we request two files – the updated 80G and updated 12A. These files are stored in the server's file storage rather than within the MongoDB database itself.

- We did not utilize cloud-based AI services for data storage and processing. Incorporating cloud AI could enhance the scalability and efficiency of data handling, but due to time and resource constraints, this integration was not possible within the scope of the current project.

- Possible future improvements include implementing cloud storage for file management, optimizing MongoDB schema for better performance, and integrating AI-powered features for improved data analysis and decision-making processes.

5 Conclusion

This document highlights the major features and tasks that were planned but not implemented in the project. While we could not complete these

functionalities within the current timeframe, we recommend focusing on these areas in the future to enhance the overall performance and user experience of the system.