

Project Proposal: Form and Data Management Tool for NGOs

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I am interested in supporting non-governmental organizations (NGOs) by providing them with innovative technological solutions to streamline their operations. We focus on creating tools that help NGOs manage their data effectively, ensuring they can focus on their core missions of providing aid and services to communities in need.

Description of the Work to Be Done

The project involves developing a Form and Data Management Tool tailored for NGOs. This tool will allow NGOs to create, distribute, and manage forms efficiently, as well as collect, store, and analyze the data received from these forms. It will be personalizable for each organization to fit their specific needs. Key features of the tool will include:

- Form Builder: An intuitive interface for creating various types of forms, including surveys, registration forms, and feedback forms.
- Data Collection: Secure and reliable data collection from form submissions.
- Data Management: A database to store and manage the collected data.
- Data Analysis: Basic analytical tools to help NGOs interpret the data, generate reports, and make informed decisions.
- User Management: Role-based access control to ensure data security and privacy.

Desired Skill Set for the Students

While we expect students to learn new technologies and languages during the course, the following skills would be beneficial:

- Proficiency in web development (HTML, CSS, JavaScript)
- Familiarity with backend development (Node.js, Python, or similar)
- Knowledge of database management systems (MySQL, PostgreSQL, or similar)
- Experience with data visualization tools (e.g., D3.js, Chart.js)
- Basic understanding of cybersecurity principles

Preferred Team Size

A team size of 3-5 students.

Location

On campus or remote.