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**Socio Activities Trust Portal**

**1. Introduction**

**1.1 Overview of the Project:**

This Project contains a way of accessing a social work using website. Social work is a practice-based profession and an academic discipline that promotes social change and development, social cohesion, and the empowerment and liberation of people. We can easily access this webpage without any errors.

**1.2 Objective of the Project:**

The objectives for which this website is

* To established are educational, social, agricultural, economical and medical relief to the poor and downtrodden
* To allocate free class for government exams.
* To provide agricultural goods for the farmers.

**1.3 Need for the Project:**

This project guides the people who need help and it also maintain the records of each every Member and Volunteers. It also maintains records for blood donors and free class for students. Only the Member and Volunteer can access the site to verify about the status of the foundation.

**1.4 Overview of Existing System:**

The Existing system contains only manual entry of data and the payment was done using bank transactions or hand to hand transaction. The Main objective is to help the people who are need of help. This website is developed with a front-end web interface and a back-end database.

**1.5 Scope of the Project:**

This website allows the Member and volunteer to access and checks the activity and status. This allows the user to enter their complaints based on medical, Agriculture, Blood donation and Education expenses.

**1.6 Deliverables:**

A web based software system. This contains a central database and functionalities for various stakeholders. Since many number of stakeholders are involved, different GUIs will be provided to different users.

**2. Feasibility Study**

**2.1 Financial Feasibility**

Being a web application SAWP will have an associated hosting cost. Since the system doesn’t consist of any multimedia data transfer, bandwidth required for the operation of this application is very low. The system will follow the freeware software standards. No cost will be charged from the potential customers. Bug fixes and maintaining tasks will have an associated cost. From these it’s clear that the project SAWP is financially feasible.

**2.2 Technical Feasibility**

Project SAWP is a complete website. The main technologies and tools that are associated with SAWP are

* HTML
* CSS
* JSP
* MySQL
* JS
* NetBeans
* JENKINS
* Diagram drawing tools
* NCLASS
* Microsoft Project
* Visio
* Draw.IO

Each of the technologies are freely available and the technical skills required are manageable. Time limitations of the product development and the ease of implementing using these technologies are synchronized. Initially the web site will be hosted in a free web hosting space, but for later implementations it will be hosted in a paid web hosting space with a sufficient bandwidth. Bandwidth required in this application is very low, since it doesn’t incorporate any multimedia aspect. From these it’s clear that the project SAWP is technically feasible.

**Requirements for Jenkins:**

Minimum hardware requirements:

* 256 MB of RAM 1 GB of drive space (although 10 GB is a recommended minimum if running Jenkins as a Docker container)

Hardware configuration for a small team:

* 1 GB+ of RAM
* 50 GB+ of drive space

**2.3 Resource and Time Feasibility**

Resource feasibility

Resources that are required for this project includes,

* Programming device (Laptop)
* Hosting space (freely available)
* Programming tools (freely available)
* Programming individuals

So it’s clear that the project Socio Activities Work portal has the required resource feasibility.

**2.4 Risk Feasibility**

* Risk feasibility can be discussed under several contexts.
* Risk associated with size
* Estimated size of the product in line of codes
* Estimated size of product in number of programs
* Size of database created or used by the product

Database size will not exceed the values supported by MySQL (65526 entries per table). Number of relations and entities are minimized by using best practices of normalization theories.

Users of the product:

* Member
* volunteer
* Admin

**2.5 Social/Legal Feasibility:**

Socio Activities Work Portal uses freely available development tools, and provide the system as an open source system. JSP Software libraries that are used in this system are free open source libraries Since this new system eliminates the effort to make statistical distributions.