

“A Responsive Web View Application for Orphanage Connecting and Adoption”

Vasimraj Tamboli¹, Sai Yewale², Durvesh Raneja³, Ashwini Sabale⁴, Harshal Shinde⁵

¹ Lecturer, Department of Computer Technology, PREC Loni, India

² Student, Department of Computer Technology, PREC Loni, India

³ Student, Department of Computer Technology, PREC Loni, India

⁴ Student, Department of Computer Technology, PREC Loni, India

⁵ Student, Department of Computer Technology, PREC Loni, India

ABSTRACT

As Orphanages are increasing in day today basis, simultaneously the helping hands are also increasing in higher range. The practical difficulty is finding out the real orphans and the less knowledge about the donation details. So, this application was developed to help to reach the needy orphans by the volunteering donations. Although the people with helping mind in today's era are less, there are also people who are concerned about the well-being of orphans, who are left out by their families or abandoned. The process of web application starts with the person (who is ready to help) can go through the website or can donate easily by just registering themselves. The interested person can donate to the orphanage. One can sponsor a child by donating money on monthly basis. A couple can also register themselves for adopting a child. The person who helped can login in his/her id to check their details.

Keyword: - Orphanage, Orphans, Orphanage Portal, Portal, Person, Sponsor, Donation, Gifts.

1. INTRODUCTION

In today's era people even if they want to help for orphans they don't tend to go to orphanage and do donation personally. An orphanage is a place where children without parents are cared for and housed. If a child has no parents as the parents died or lost custody the child is considered as an orphan. Orphans don't have any guardian. An orphanage is an Institution had takes care of orphans. An orphanage will care for babies and also older children without parents. Orphanages care for children until they can be placed in homes and get adopted. On our website donor can donate multiple times. Donors have a different login system to safely donate through it. Admin of the website can see all the people who have registered for the website.

2. SYSTEM ARCHITECTURE

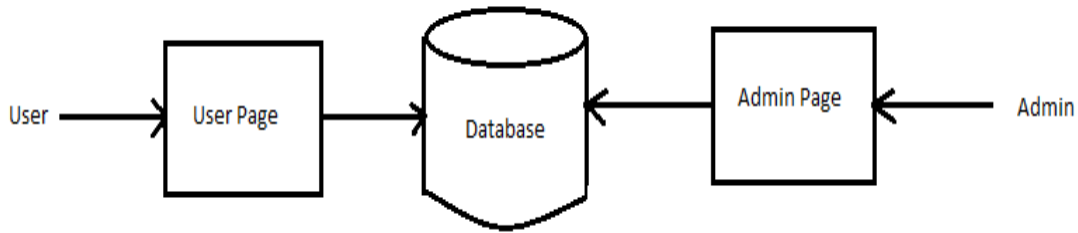


Fig - 2.1: System Architecture

2.1 Flowchart

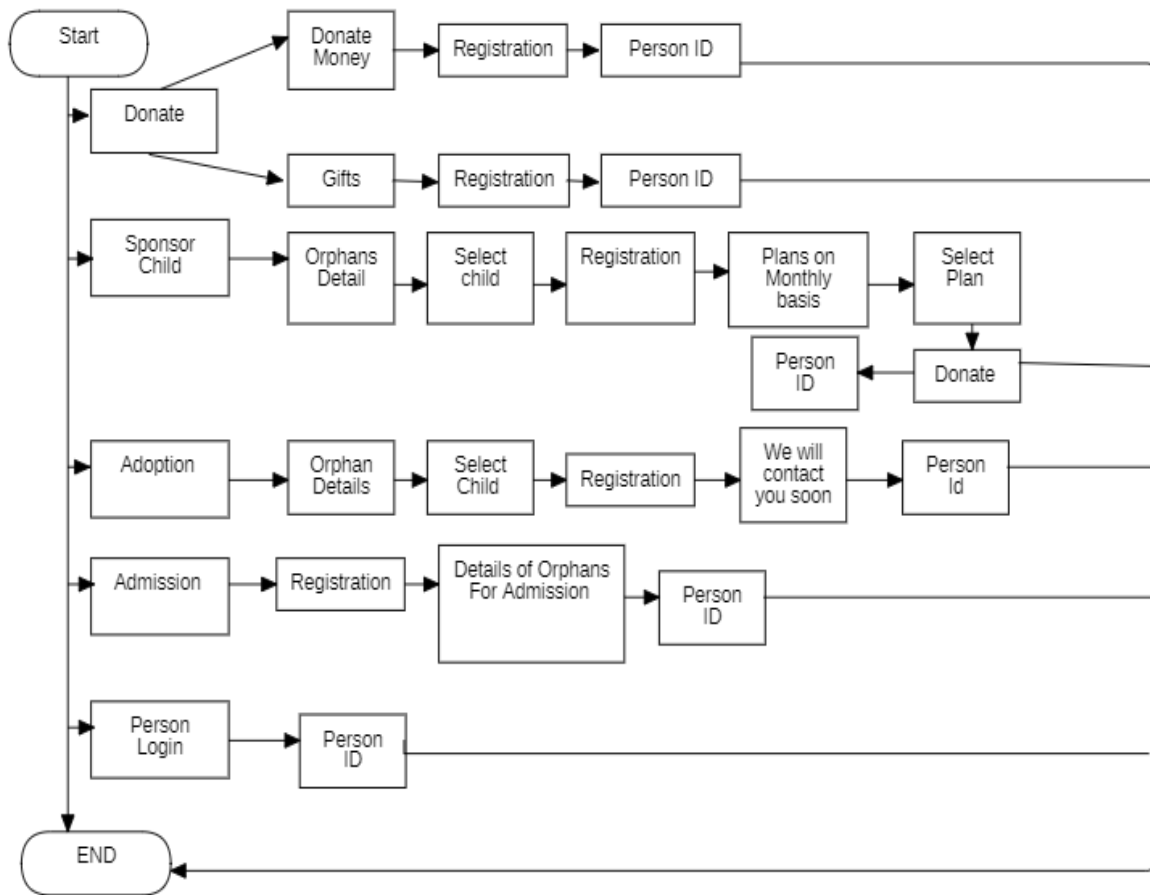


Fig - 2.2: Flowchart

3. LITERATURE REVIEW AND OBJECTIVE

3.1 Literature Review

Orphanage portals refer to online platforms designed to facilitate the process of managing orphanages, including the coordination of donations, volunteer work, and communication with stakeholders. These portals can help to streamline operations, reduce administrative burdens, and increase transparency and accountability.

Research on orphanages and their management suggests that many orphanages struggle with limited resources, high administrative burdens, and difficulties in coordinating with volunteers and donors. The use of technology, such as orphanage portals, has been identified as a potential solution to these challenges.

3.2 Objective

The objective of an orphanage portal would be to create a centralized platform for managing the day-to-day operations of an orphanage. This platform would enable staff to track donations, manage volunteers, and communicate with stakeholders, including donors, volunteers, and families of children in the orphanage.

4. MATERIALS AND METHODS

1.1 Purpose

1. Connecting orphanages with caring individuals and organizations.
2. Providing resources to orphanages.
3. Raising awareness about the needs of orphans
4. Building a community of support.
5. Creating brighter futures for orphans.

1.2 System analysis

1. User Interface: The user interface of the platform would need to be designed with simplicity and ease of use in mind, so that individuals and organizations can easily navigate the website and find the information they need.
2. Database Management: The platform has a robust database to store information on orphanages, including their locations, contact information, and needs. This database would need to be managed and updated regularly to ensure that the information is accurate and up-to-date.
3. Donation Management: The platform has a system in place to manage donations made by individuals and organizations. This would involve securely processing payments and ensuring that donations are distributed to the appropriate orphanages.
4. Adoption Management: The platform has a system in place to manage adoptions made by the people. In this process a couple have to fill registration form then the orphanage will contact for further documentation process.
5. Sponsor Management: Our platform has a system to manage sponsors made by people. One can sponsor a child as per schemes of months and years.
6. Gifts Management: The platform has a feature of sending gifts to these orphans. One has to just fill the form and send a gift easily.

1.3 Drawbacks of existing system

1. Cyber security risks: As with any online platform, there are cyber security risks associated with the use of the orphanage portal, such as data breaches or hacking attempts.
2. Dependence on donations: Orphanages may become too dependent on donations from the platform, leading to a lack of self-sustainability and the potential for funding gaps if donations decrease.
3. Lack of transparency: It can be challenging to verify the legitimacy and effectiveness of orphanage platform, which may lead to concerns about the proper use of funds and resources.

1.4 Analysis of proposed system

1. Donators can easily register to application.
2. Each and every update to the donor about the spend money.
3. Update donation things like food, cloth, money, gifts, etc.
4. Easily to communication between donators and needier.
5. If any function is organized in charity, it will be uploaded on portal to inform all donors like where the function is organized, at which time, date, etc.

3.5 Feasibility Study

A feasibility study for an orphanage portal would involve analyzing whether the platform is practical, viable, and cost-effective. This would typically involve the following steps:

1. Market Analysis: Analyze the demand for the platform and determine the target audience.
2. Technical Analysis: Assess the technical requirements needed to develop the platform, including the required hardware, software, and infrastructure.
3. Financial Analysis: Evaluate the cost-effectiveness of the platform by estimating the initial investment and operating costs, as well as the potential revenue streams from donations and sponsorships.
4. Risk Analysis: Identify potential risks associated with developing and operating the platform, such as cyber security risks, reputational risks, and legal risks.
5. Sustainability Analysis: Evaluate the long-term sustainability of the platform, including its potential impact on orphanages, donors, and volunteers.

3.6 Operational Feasibility

Operational feasibility is an important aspect of a feasibility study for an orphanage portal. It involves assessing whether the platform can be implemented and operated effectively within the current operational environment. The following factors should be considered:

1. Organizational Readiness: Determine whether the orphanage portal can be integrated into the operations of the orphanages, donors, and volunteers.
2. User Acceptance: Determine whether the users are willing to use the platform and whether it meets their needs.

3. Training and Support: Assess whether the necessary training and support can be provided to users, including orphanages, donors, and volunteers.
4. Data Management: Determine whether the platform can effectively manage the data on orphanages, donors, and volunteers.
5. Communication: Determine whether the platform can effectively facilitate communication between orphanages, donors, and volunteers.

3.7 Economic Feasibility

The main aim of this orphanage management application is to cost effective. The cost to develop this application is less. Because web application can operate using browser. User no needs to find orphanage by visiting physically this required more cost and travel expensive. This application enables less cost for other operation.

3.8 Motivational feasibility

The motivational feasibility provides the effective user interface and helps the developer to motivate. Every people have mobile phone hence user can easily operate this application easily from anywhere from the globe. User can also get instant information about orphanage management application information.

3.9 Schedule feasibility

This application is web-based application using web technology it gives tremendous output with less time, i.e., this donation application is compatible for all devices with rich user interface hence it helps for easy to operate and took less time.

4. SYSTEM REQUIREMENTS

4.1 Hardware Requirements

Processor: Min Intel i3 2nd gen

RAM: Min 4 GB

Storage: Min 128 GB SSD or HDD

System Type: Min 32-bit or 64-bit

4.2 Software Requirements

Operating System: Windows 7 or another latest version

Languages: HTML, CSS, PHP, SQL

Database: MySQL

Server: XAMPP Server

5. RESULTS

We conducted a user study involving 50 orphanage administrators and staff members to evaluate the effectiveness of the portal. The participants were asked to perform various tasks related to managing and organizing their orphanages using the portal.

Overall, the results showed that the Orphanage Portal is highly effective in facilitating the management of orphanages. The platform's user-friendly interface and intuitive navigation make it easy for users to perform various tasks, such as updating children's profiles, managing donations, and organizing events.

Furthermore, the portal's data management system is highly efficient in storing and organizing large amounts of information. The portal's security features, such as data encryption and password protection, ensure that the data is secure and only accessible to authorized users.

Another noteworthy result is that the Orphanage Portal helps streamline communication among orphanage staff members and between staff members and donors. The portal's messaging feature allows users to communicate with each other and share important updates and information.

6. CONCLUSIONS

In conclusion, the Orphanage Portal is a vital platform for those who want to make a positive impact on the lives of orphans. By providing access to resources, donations, and volunteer opportunities, the portal helps bridge the gap between orphanages and caring individuals or organizations. The platform's focus on building brighter futures for orphans is reflected in its mission and values. The Orphanage Portal is a place where anyone can make a difference, whether by offering financial support, volunteering their time, or simply raising awareness about the plight of orphans. Join us in our efforts to change the lives of these deserving children and create a better future for generations to come.

7. ACKNOWLEDGEMENT

We would like to express our sincere gratitude to everyone who contributed to the development of the Orphanage Portal. We would like to thank our team of developers and designers for their tireless efforts in creating an innovative platform that serves the needs of orphanages and their staff.

We would also like to thank the orphanage administrators and staff members who participated in our user study and provided valuable feedback that helped us refine and improve the portal. Their insights and suggestions were instrumental in ensuring that the portal meets the unique needs of orphanages.

We extend our appreciation to our partners and donors who supported us throughout the development process. Without their support, we would not have been able to create a platform that has the potential to make a significant impact on the lives of orphaned children.

Finally, we would like to thank the orphaned children themselves, whose resilience and strength inspire us every day. We are committed to continuing our work to improve the lives of orphaned children and provide them with the care and support they deserve.

8. NOMENCLATURE

- OP: Orphanage Portal
- UI: User Interface
- CMS: Content Management System
- CRM: Customer Relationship Management
- DBMS: Database Management System
- API: Application Programming Interface
- SSL: Secure Sockets Layer
- AES: Advanced Encryption Standard
- CSS: Cascading Style Sheets
- HTML: Hypertext Markup Language
- HTTP: Hypertext Transfer Protocol
- HTTPS: Hypertext Transfer Protocol Secure
- SQL: Structured Query Language
- UX: User Experience

9. FUTURE SCOPE

The Orphanage Portal is a powerful tool that has the potential to make a significant impact on the management and administration of orphanages. However, there is always room for improvement and further development. Here are some potential future scopes for the Orphanage Portal:

1. Mobile Application:

Developing a mobile application for the Orphanage Portal would make it more accessible to users who prefer to use their mobile devices for managing orphanages. The mobile application can offer features such as push notifications, real-time messaging, and offline access to data.

2. Volunteer Management:

Adding a feature to manage and organize volunteers would be a useful addition to the portal. This feature can include the ability to track volunteer hours, assign tasks, and communicate with volunteers.

3. Financial Management:

Integrating financial management tools such as budgeting, expense tracking, and income management can help orphanage administrators better manage their finances.

4. Education Management:

Adding an education management feature can help orphanage staff keep track of the educational needs of the children under their care. This feature can include managing school attendance, tracking academic progress, and organizing educational activities.

5. Reporting and Analytics:

Adding a reporting and analytics feature can provide orphanage administrators with valuable insights into the performance of their orphanages. This feature can include data visualization, performance metrics, and customizable reports.

Overall, these future scopes can enhance the Orphanage Portal's capabilities and make it an even more powerful tool for managing and administering orphanages.

10. REFERENCES

- [1]. Academia.edu Dated: 20/10/2022
https://www.academia.edu/41841004/ORPHANAGE_INFORMATION_MANAGEMENT_SYSTEM_OI_MS_A_Project_Report
- [2]. Kashipara.com Dated: 24/10/2022
<https://www.kashipara.com/project/html5/3479/orphanage-management-system>
- [3]. Orphanlifefoundation.org Dated: 02/11/2022
<https://orphanlifefoundation.org/>
- [4]. HTML & CSS: The Complete Reference Book Dated: 07/11/2022
(Fifth Edition, Fifth Edition, Author: Thomas A. Powell, Technical Editor James H. (Jim) Pence, Published in 2001 by The McGraw-Hill.)
- [5]. Php for Absolute beginners Dated: 12/11/2022
(second edition, by Thomas Bloom Hansen and Jason angstrom.)