



MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY (MIIT)

ISB 42303

SOFTWARE CONFIGURATION

PROJECT PROPOSAL

Yellow Givers Online Donation System

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1.0 INTRODUCTION

Nowadays accepting donations online has become incredibly popular in recent years, and becoming effective method of raising the money or funds. Consequently, many individuals, non-profit organization or charities are looking to find their ways to increase their donations.

For this reason, an online donation is proposed in this proposal. It is web based application called as Yellow Givers Online Donation System and develops using PHP programming language. It is user friendly system where it is open to the individual or any non-profit organization for example to donate money or funds to requested donation receiver. The donation receiver required register to the website before able to advertise their personal donation contents and get sponsored. The payment can be made via PayPal account.

2.0 BACKGROUND OF THE STUDY

A donation is something that is given to the needy, the poor or any form of institution that may or may not be doing charity work. A donation may take various forms including cash offering, services, new or used goods including clothing, toys, food, vehicles and etc. It also may consist of emergency, relief or humanitarian aid items, development aid support, and can also relate to medical care needs as i.e. blood or organs for transplant.

Since computer technologies playing a vital role, online systems not only promote less time consuming in processing and manage transaction effectively but it helps to eliminates unnecessary paperwork and also maximises number of participants as they can accommodate the system from anywhere and anytime.

3.0 PROBLEM STATEMENT

- The donors faces difficulties in terms of transportation and time to go to the donation receiver's places or attending events for making donation
- The donors waste time and energy with long queues and paper forms to sign up for donation events
- The donors feels insecure bringing many cashes to their donation receiver
- The donation receiver will be burden with lots of data entry administrative tasks, tracking and managing donated funds manually.

4.0 OBJECTIVES

- To develop web based application allowing donors to make donation online anywhere and anytime
- To develop web based application that will ease the donors to perform the donation
- To design a web based application that will allow donors to donate money or funds via accepted payment online
- To develop web based application that will ease the donation receiver to track and manage donated money or funds automatically

5.0 TARGET USER

The users of this web based application are divided into 3 groups which are the donor, the donation receiver group and the system administrator itself.

- The donor can be individual public or non-profit organizations who like to donate their money to the requested donation receiver.
- The donation receiver can be individual public or non-profit organizations where they would like to request for donation.
- The system administrator to maintain the information system

6.0 PROJECT SCOPE

Donor:

- a. Donation List : Donor shall view all available donation requested from donation receiver
- b. Donation Detail List : Donor shall view the details of specific requested donation
- c. Payment : Donor allowed to donate money or funds using online payment gateway
- d. Contact Us : The donor shall able to send a message to system administrator for further enquiries

Donation Receiver:

Registration and Log In

- The donation receiver shall able to register to become a receiver and successful login to system

Donation Request

- The donation receiver shall be able to request for donation by filling up the information required

View Donors Information Details

- The donation receiver shall be able to view collected donation money or funds received from donors

System Administrator:

Manage Registered Donation Receiver

- The admin shall be able to view and manage the information details of registered donation receiver after successfully login

7.0 SOFTWARE / TOOLS / FRAMEWORKS / HARDWARE USED

Below are the list of software, framework, tools and hardware used to build this dynamic web application:

Software, Framework & Tools

- Microsoft Windows 8.1 (64-bit) Operating System
- XAMPP - use to setup server environment covers server (localhost) and mySQL database
- SublimeText – Code editor used for website design & development
- Bootstrap 3 – use to design responsive websites for frontend and backend design framework
- PhpMyAdmin – containing mySQL database use to store application data
- Adobe Photoshop CS5 : Use for Image Editing
- Microsoft Office Word 2010 : purposely use in documentation

Hardware

- Dell Vostro 14-5480 Laptop
- Intel duo core 2 E4300 1.8GHz
- 4 GB RAM
- 500 GB Hard Disk

8.0 TECHNOLOGY USED

Yellow Givers Online Donation System is implemented using server-side scripting language which is PHP programming language and SublimeText Editor is a tool to support the development. The Bootstrap 3 is a framework and this technology will be used to help developer in design the responsive website for the frontend and backend design. This framework required developer to have knowledge in HTML and CSS for the easier development. This web application will store all relevant information of their users in the mySQL database which is bundled together with XAMPP software. The XAMPP software used to manage the server environment and the database. In this case this web application will run in localhost computer.

9.0 BENEFIT

1. Simplicity of tracking and managing donated money or funds for the donator receiver and help in reducing administrative task manually
2. Increase visibility and sharebility which making easier for donation receiver to collect more donation. Thus improve their marketing effort as well.
3. Simple and convenient for the donors to pay donation online at anytime and anywhere with secure payment method.

10.0 ROLES & RESPONSIBILITIES

1.1 Project Manager & Change Control Team

Project Manager

The project manager role allocates resources, shapes priorities, coordinates interactions with customers and users, and generally keeps the project team focused on the right goal. The project manager also establishes a set of practices that ensure the integrity and quality of project artifacts.

Change Control Manager

The change control manager role oversees the change control process. This role is usually played by a Configuration (or Change) Control Board (CCB) and consists of representatives from all interested stakeholders. The change control manager is also

responsible for defining the Change Request Management Process, which is documented in the Change Management Plan. The change control manager should understand configuration management principles. He or she should be skilled in estimating cost and schedule impacts of change requests. Also should be able to communicate effectively in order to negotiate scope changes and in order to determine how each change request should be handled and by whom.

1.2 Requirement Management Leader

Leads and coordinates requirements elicitation and use-case modelling by outlining the system's functionality and delimiting the system such as establishing what actors and use cases exist, and how they interact and shall ensure its satisfy stakeholder needs. Knowledge of the business and technology domains is essential to have amongst those acting in this role.

1.3 Design Leader

The designer role defines the responsibilities, operations, attributes, and relationships of one or several components, and determines how they will be adjusted to the implementation environment. The designer must have a solid working knowledge of:

- Use-case modeling techniques
- System requirements
- Software design techniques, including object-oriented analysis and design techniques, and the Unified Modeling Language
- Technologies with which the system will be implemented

1.4 Implementation Leader

The implementer role is responsible for developing and testing components, in accordance with the project's adopted standards, for integration into larger subsystems. When test components, such as drivers or stubs, must be created to support testing, the implementer is also responsible for developing and testing the test components and corresponding subsystems.

1.5 Quality Assurance Leader

Responsible for the core activities of the test effort, which involves conducting the necessary tests and logging the outcomes of that testing. This covers:

- Identifying the most appropriate implementation approach for a given test
- Implementing individual tests
- Setting up and executing the tests
- Logging outcomes and verifying test execution
- Analyzing and recovering from execution errors

1.6 Configuration Management Leader

The configuration manager provides the overall Configuration Management (CM) infrastructure and environment to the product development team. The CM role supports the product development activity so that developers and integrators have appropriate workspaces to build and test their work, and so that all artifacts are available for inclusion in the deployment unit as required. The configuration manager also has to ensure that the CM environment facilitates product review, and change and defect tracking activities. The configuration manager is also responsible for writing the CM Plan and reporting progress statistics based on change requests.

11.0 CONCLUSION

As society becomes more and more technological, and digital media continue to dominate our communications, online donation is likely to become the preferred method for making donations. Starting to accept donations online will help to increase your funding and better support of any charities work in the future. The donors can make donation easily at any of their convenience time and helps for the donation receiver to collect and managing the donation funds.

APPENDIX

REFERENCES

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