## Test Plan

**For**

# Joy for Kids Universal Foundation

### Version 1.0

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**March 5, 2015**

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# Introduction

## Overview

This document has the information regarding the test procedures and test plan for the system to be made for Joy for Kids Universal Foundation Shopping Cart and Donation System. Test classifications, methods and information that are written this document will be carried out during the system’s testing phase. The document will include the software that is going to be used, testing strategy and architecture, integration, validation, and criteria to the software. Test procedures will also be part of this document to better identify the flowing of each test case.

## Objectives

## General

* To improve the UI of the website
* To create an easy donating system for clients / customers
* To create a system where the clients / customers know where there donation goes (children, charity).

### Specific

* To develop a database that shows all records of Joy for Kids Universal Foundation
* To develop an events page that has already been created and the following events to be created
* To automate and reduce the time in monitoring and recording data
* To create a list page where the list of children and the sponsors of Joy for Kids Universal Foundation.

# Bounds

## Scope

Each testing, individual system will be tested out. For instance, we will test the login system for the clients’ / customers’ use. We will test the donation system as well; that it won’t make any miscommunication with the bank account or that the details being inputted by the client or the customer will run smoothly. Another test will be the shopping module, we have to make sure that the products are real and it will be delivered to the clients’ / customers’ address. For the list of events, it should be updated every time there will be a change of plans or new events coming up.

## Features to Be Tested

The features to be tested will be Joy for Kids Universal Foundation’s two major key systems: Donation system, and the shopping cart system. All two systems will be implemented using the Yii framework. Each will be divided to its own system and will be accessible through a portal. The portal will be created in order on the website’s page to create a centralized page where each of the systems can be accessed. Each system will be tested out and will be checked in order to meet the client’s requirements for the system.

# Quality Risks

* Combining 2 different Systems into the Website
* Database merging
* Using Extensions for payment option

# Transition

## Entry Criteria

Test features in different modules will be done separately for thorough quality checking and each error will be documented via screenshots of the said problem; each feature will have a requirement to assure that the level of quality is measured. All features and systems will be tested and must meet the specific and required criteria.

## Stopping Criteria

A single error from each of the modules will be considered as a condition to suspend the test execution until it is fixed test execution will be postponed thus every error will be documented. Documented errors will be coordinated to the system developers and programmers in order to solve the issues.

## Exit Criteria

If all the module tests have been done and there are no more errors then the testing phase of its features are done and the execution of the program system is done.

# Test Configurations and Environments

## Hardware

Testing of the modules of the system will be done using multiple laptops or desktops. Each individual machine will run tests for each area of the system. A local area connection is also needed for each individual machine.

## Software

The system will be using an internet browser in order for the application to run. The browser will be used for navigation throughout the system. Xampp application is also needed in order to run the system’s database and connectivity. Yii 2.0 advanced will be used.

## Test Procedure

Testing the system will require test data. All 2 modules will require information to be inputted. Each case also needs different data from the other. For example, donating system, if there will be an error, the error will be documented and made a solution to it, the same goes to the shopping cart system, when there is an error in the code, there will be a document for it to see if the error persists again we have the solution for it already.

# Test Execution

There will be 2 phases for testing the modules, 1 for the donation system and the other one for the shopping cart system. Each error will be documented from the simplest ones to the complicated and challenging ones, such as spellings, grammar to program codes.

## Resources

During test runs, the testers and developers must be present. The testers will have a run through the section of the system that is finished and will create a test logs. The test log will then be given to the developer to see the comments or the required changes of each module of the system. Xampp will be required during testing in order for the system to run. A browser is needed to open the system and do testing. Desktops or laptops will be used for testing. A local area connection must be present to test the system’s connection.