Test Plan

# Infinite Loop

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**IDENTIFIER**

Infinite Loop Software Test Plan

**INTRODUCTION**

This document outline will discuss the testing activities going to be used for Infinite Loop’s web application for Commerce Bank. The testing activities will include; administrative access to the web application, the mentors access/restrictions to the web application, and the ambassador’s access/restrictions to the web application. The testing procedures will improve our web application by finding and fixing errors, faults, and failures it may have.

**Items and Features Tested:**

The website and its features in general will be tested.

**Test Specifications:**

Our main goal as a team is to make sure the web application works and satisfies the customers’ requirements. In order for the web application to work system testing is needed and needs to be tested by a tester and also by everyone else in our group. It is important the whole team tests the web application instead of just the coders, so different opinions, errors, and faults can be set to rest. The test procedures for these will be stated in the test specifications document.

**Test Reports:**

The test reports are great ways for our team to provide each other and Commerce Bank with essential feedback during and after testing the web application. When testing the web application for errors, defects, or even design issues will provide documentation to record these changes. The test feedback will be stated later in the test reports document.

**Project plan:**

The project plan for system testing has been laid out through the website trello.com and team Infinite Loop’s schedule.

**Quality Assurance Plan:**

Team Infinite Loop is testing the entire web application in every aspect to assure we deliver a fully functional and enjoyable website for Commerce Bank.

**Items and Features Tested**

The main item being tested will be the user website with integration and system testing procedures. In the integration phase our team’s tester will test the system as a unit and will provide effective feedback through the test reports. The system testing will be tested by everyone in the team to provide changes if need be and additional effective feedback. Test cases provided in the test specifications document and referenced under each feature tested.

**Features Tested:**

Administrative access – all of figures 1.0 and 2.1, 2.2, 2.3, 2.4, 2.5, 2.6

Ambassador and Mentor access – 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.13

**Features Not Tested:**

All items and features will be tested!

**Approach**

**Strategy:**

The testing approach for Infinite Loop is to have a tester, but will mainly focus on the entire team testing the web application to definitively provide a fully functional website. This strategy is exemplary because it will provide testing results from everyone’s aspect on how all the features are functioning and help give a very detailed test report.

**Techniques/Tools:**

The developers will perform unit tests to check code functionality and execution of the software, and perform white-box testing. The rest of the team will be testing the various test cases provided in the test specifications document and perform black-box testing. The team will be looking for errors and defects in the code through test cases and also by providing the wrong input to make sure the system responds correctly to invalid statements.

**Test Goals:**

The goals of this testing plan is to find various user conditions and testing against these conditions in order to find any defects that can cause failures. Again our main goal as a team is to make sure the web application is fully functional and satisfies the customers’ requirements.

**Test Deliverables**

* Test plan for documenting the development of tests
* Test specification for documenting all test procedures/cases
* Test report for documenting all defects and changes

**Testing Tasks**

Testing tasks will be provided in the test specifications document as test cases.

**Schedule**

Testing has occurred through the whole development process, but is being tested as a team now.

**Required Resources**

People:

Joseph Ranney

Michael Rudner

Seiji Suenaga

Matt Sunderland

Sarah Withee

Material:

Visual Studio 2013 using C# with ASP.NET MVC 4 Web Application for development and Microsoft Word 2013 for documentation