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| [Group 9 ‘tHE fIGHT’N nINE’] |
| Website & Database for Vancouver Society of Children’s Center  Scope and Mission  Test Plan |
| The Vancouver Society of Children’s Center |
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# Document Version

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| **Version** | **Description** | **Date** | **Author(s)** |
| **1** | *Created test plan for stage 2.* | *26/01/2016* | *Manveer*  *Daniel*  *Norman* |

# Introduction

## Purpose

*To create a test plan for the VSOCC project in order to deliver and deploy a functional website to the client’s specifications.*

## Team contact information

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## Description

*Our project is to create a new website and a database for The Vancouver Society of Children’s Center. Their current website is old and has bugs so they want to completely redesign and create a new website. The main reason for this project is to make it easier for the parents of the kids at the center to gain information about upcoming events and register for upcoming events. VSOCC also wants to make it easier for future clients to be able to learn more about VSOCC easily without having to call in. Additionally, the client wants to be able to do edits internally without having technical knowledge or how to program.*

# Test Plan

## Overview

*The following database functionalities to be tested: login, encryption (password remain encrypted), creating, saving, and updating user information.*

*Database functionality will be tested by everyone on a database that allows for multiple users to access. Current plan is on a MySQL DB on Azure. Tests will be done manually, following client use cases. The objective is to meet their user use-case.*

*The following site functionalities will be tested: navigation, plug-ins, donation, market place access, interface, client updates.*

*Site functionalities will be tested firstly by everyone in group 9 with client input, and eventually by clients once the site have been populated by client information. Site should contain functional links to all required VSOCC information, which are recorded on the site structure documentation. We are to make sure that the plug-in meets the client’s requires and that they can easily modify them to fit their needs.*

*We will not be providing any tests or abilities to allow client to edit the database directly on their own. This is outside of their requirement scope.*

## Deliverables

*Testing process that involves the client in site and database will result in design modifications in site functionality and appearance. We are designing a website so layout changes will occupy the majority of the design changes. Documents will be provided to client to verify specific changes so we can track discussion and changes as we move forward with testing.*

## Resources

*Describe the resources required for testing, such as test data, accounts/permissions, documentation, testers, etc.*

*Database requires table structure, expected traffic, security information, database access (client database), and a functional database. Access to the client’s database will eventually be required for this project.*

*Site requires multiple tests to make sure that the aesthetics are what the client are looking for. We need client workflow to make sure that they can proceed with their work after deployment. We may need access to a Canadian host eventually to test migration, or client may need to provide us access to their current host to test migration and deployment of new website.*

## Approach

*Deployment test:*

*Migrate database to client’s own database. We will run prepared scripts against their database to create the necessary table structure if they have not yet created their own. This will need be tested first on our own database before running the scripts against their database.*

*Test database connection with site. Make sure that the firewall exceptions are setup to allow only access locally and from the PHP file hosted on the webserver.*

*Test database base against heavy traffic, and brute force account creation, as well as account recovery, and backup.*

*Integration test:*

*Test WordPress plug-in functionality and make sure that they are compatible with additional PHP code merged with the WordPress site.*

*Usability test:*

*Client needs to be able to edit all required information on their website without an IT staff.*

# Test Cases

*Describe the main test cases that you can anticipate at this point, e.g. specific examples of the categories identified in the Approach*

*Client usability test is anticipated to be the primary test that we will iterate with the client over time. We hope this can help the client further expand on the current requirements for the different web pages. The current market place site is without a clear design direction. The client is unsure how they should be using this page to promote childcare products.*

*Test back-up and recovery functions for the site and the database. Walkthrough back-up procedures and document the steps for client, make sure that they are able to recover their website and database if it does fail.*

*Test WordPress plug-in functionalities such as the alert functionality to verify that the client is able to add and remove alerts as necessary for their use. The client needs to be able to access the WordPress site, navigate to the plug-in page, enable the alert, update the message, and disable the alert in case of emergencies.*

*Test WordPress migration to make sure that there is no issue during deployment. Test process against the host chosen by the client.*

*Test site and database against heavy traffic by using automated test tools like selenium. Test different functionalities and load on multiple machines and make sure that no abnormalities are present in the database as a result of multiple transactions and that the database can handle the increased workload.*