**Test Plan**



**BCD Carpentry Project**

**BCD1-0117**

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| --- | --- | --- | --- |
| **Version** | **Description of Change** | **Author** | **Date** |
| 1.0 | Initial | Tao Sun | 27/03/2017 |
|  |  |  |  |
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# Introduction

This document is made to guarantee the software’s quality of BCD Carpentry Project. The scope, method and timetable are described in this document. The perspective readers include the supervisor, the clients and the project team members.

# Test Scope

# Database Test

* Verify datatype, primary key, foreign key and constrains of database tables
* Verify stored procedures
* Verify triggers

# Function Test

This test is to verify the correctness of all the functions. For example, the data the user input can be stored correctly; the data stored in the database can be presented accurately. The figure below is the function list of this system.

|  |  |
| --- | --- |
| **Menu** | **Submenu** |
| Employee | New |
| Maintain |
| Query |
| Query History |
| StaffSize | New |
| Query |
| StaffCourse | New |
| Query |
| Certification | Maintain |
| Query |
| Attendance | New |
| Query |
| TimeSheet | New |
| Query |
| Wage | New |
| Query |
| Tax | New |
| Maintain |
| Query |
| IndividualDebt | New |
| Query |
| Competency | Maintain |
| Tool > ToolUse | New |
| Query |
| Tool > ToolList | New |
| Query |
| Tool > ToolTraining | New |
| Query |
| Vehicle | New |
| Query |
| System | ChangePassword |

# Deployment Test

This test is to ensure that the application can be deployed from the development environment to the product environment correctly.

# Test Method

In this project Unit Test, Integration Test and UAT Test will be conducted sequentially. In the development stage, the team members will conduct unit tests to verify the functions they are coding. When all of the functions are finished, the team will make the integration test. If the integration test is passed, the project will proceed to the UAT test stage and the clients will be involved in the UAT test. There will be at least one iteration for each of the three kinds of tests. According to the test result and the project progress, there may be more test iterations.

# Test Timetable

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Name** | **Start Date** | **End Date** | **Tester** |
| Database Test | 20/04/2017 | 02/05/2017 | Tao Sun  Damian Tait  Konark Bhurke |
| Unit Test | 01/05/2017 | 12/05/2017 | Tao Sun  Damian Tait  Konark Bhurke |
| Integration Test | 15/05/2017 | 18/05/2017 | Tao Sun  Damian Tait  Konark Bhurke |
| UAT Test | 19/05/2017 | 26/05/2017 | Client  (Nicole Moloney) |