**Hiss Student Test Plan**

# 1. Introduction

The following document is the test plan of the Home Improvement Scheduling System (HISS). It is intended to provide a description of the scope, purpose and procedure of validating the HISS system with its functional requirements.

# 2. Test Objectives

The main purposes are to check the work of all functions of HISS system including financial, personnel assignment, project status. It is also accompanied by the naming and reporting of defects and discrepancies with particular reference to expected results with the given tests like GeneralTest, ManagementJobsDoing, ManagementGeneral and ManagementHiring. Finally, testing will be conducted in a bid to prove system robustness and stability, and it will ascertain proper execution of job capabilities and staff roles.

# 3. Test Scope

## 3.1. In-Scope

The job management will be covered in testing and it will involve loading of job information, creation of job information and retrieval of job information. It will also put to test the staff management including hiring, state management (AVAILABLE, WORKING, ONLEAVE), and allocation. The major functionalities such as the job assignment and execution individual functions especially the doJob () will be tested concerning staff eligibility issuance, costing, and status update. Financial monitoring, namely, correct computation of totalCost and profits, is also within the scope. Lastly, the confirmation of system outputs, and internal state changes will be made.

## 3.2. Out-of-Scope

The plan lacks rigorous User Interface (GUI) testing, formal performance testing, penalty in-depth security testing, and testing of any data that is allowed to persist past loading of initial file.

# 4. Strategy and Approach to Tests

Functional/black box testing will be employed to check out system behavioral tests with specifications. The functional requirements will be converted into test case design by drawing on the given test suites, i.e., RefDefCwkTests.GeneralTest, RefDefCwkTests.ManagementJobsDoing, RefDefCwkTests.ManagementGeneral, RefDefCwkTests.ManagementHiring, etc. Integration Testing, which will target modules interaction, and System Testing, which will focus on the end-to-end scenarios, will become the main types of testing applied. In case of introduction of changes, regression testing will be done.

# 5. Test Results





 