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# Introduction

APC Student Assistant System is a web-based system in which provides an efficient means of storing information on both Student Assistant and Disciplinary Office Head. It contains a list of students who participates under the Student Assistant Program. Through the system, the SA does not have to go to the Discipline office to submit their form. The form will be available online via the APC Information System where the student just has to log on to whenever he or she renders hours to an office. The department can also post announcement, when they need SAs, where the students can reserve for that certain posting. Moreover, the system provides a means SAs of requesting to an office where they can work in.

## Purpose

* This test plan is aimed to ensure if all Functional and Design Requirement (Performance and GUI) are well implemented and have met the demand of the client
* This is a Test Plan for the APC Student Assistant System
* Identify required resources of test process

## Scope

* This is a Test Plan for the APC Student Assistant System

## References

* APCSAS- Use Case

## Document Terminology

|  |  |
| --- | --- |
| APCSAS | APC Student Assistant System |
| PM | Project Manager |
| PD | Project Developer |
| QC | Quality Control |
| TP | Test Plan |
| UC | Use Case/s |
| TC | Test Case/s |
| GUI | Graphical User Interface |

# Test Areas and Specifications

## Features to be tested

|  |  |  |  |
| --- | --- | --- | --- |
| UC No. | UC Name | Test Type | Build No. |
| SAS10 | Log in | Functional, GUI, Performance | 001 |
| SAS05 | Reserve for an Office | Functional, GUI, Performance | 001 |
| SAS09 | Fill Out Rendering Form | Functional, GUI, Performance | 001 |
| SAS11 | Request for Student Assistants | Functional, GUI, Performance | 001 |
| SAS03 | Provide Office Availability | Functional, GUI, Performance | 001 |
| SAS01 | Provide List of Students | Functional, GUI, Performance | 001 |
| SAS14 | Create User | Functional, GUI, Performance | 001 |
| SAS13 | Delete User | Functional, GUI, Performance | 001 |
| SAS15 | Update User | Functional, GUI, Performance | 001 |
| SAS16 | Add Employee | Functional, GUI, Performance | 001 |
| SAS17 | Delete Employee | Functional, GUI, Performance | 001 |
| SAS18 | Edit Employee | Functional, GUI, Performance | 001 |
| SAS19 | View Employee | Functional, GUI, Performance | 001 |
| SAS06 | Verifying Time Rendered | Functional, GUI, Performance | 001 |
| SAS07 | View All Information | Functional, GUI, Performance | 001 |
| SAS08 | View Time Remaining and Hours Rendered | Functional, GUI, Performance | 001 |
| SAS12 | Request Report | Functional, GUI, Performance | 001 |
| SAS02 | Filter Student Assistants | Functional, GUI, Performance | 001 |
| SAS04 | Create Announcements | Functional, GUI, Performance | 001 |
| Student Assistant System 01 | Log in | Functional, GUI, Performance | 002 |
| Student Assistant System 02 | Create Job Post for Student Assistants | Functional, GUI, Performance | 002 |
| Student Assistant System 03 | Reserve for an Office | Functional, GUI, Performance | 002 |
| Student Assistant System 04 | Request Job for an Office | Functional, GUI, Performance | 002 |
| Student Assistant System 05 | Deny Student Assistant Request | Functional, GUI, Performance | 002 |
| Student Assistant System 06 | Approve Student Assistant Request | Functional, GUI, Performance | 002 |
| Student Assistant System 07 | Create Student Assistant Record | Functional, GUI, Performance | 002 |
| Student Assistant System 08 | Verify Student Assistant Time Rendered | Functional, GUI, Performance | 002 |
| Student Assistant System 09 | Log Out | Functional, GUI, Performance | 002 |
| Student Assistant System 10 | View All Information | Functional, GUI, Performance | 002 |
| Student Assistant System 11 | Create User | Functional, GUI, Performance | 002 |
| Student Assistant System 12 | Update User’s Role | Functional, GUI, Performance | 002 |
| Student Assistant System 13 | Delete user | Functional, GUI, Performance | 002 |
| Student Assistant System 14 | View All Transaction | Functional, GUI, Performance | 002 |
| Student Assistant System 15 | View Time Rendered | Functional, GUI, Performance | 002 |
| Student Assistant System 16 | View Time Remaining | Functional, GUI, Performance | 002 |
| Student Assistant System 17 | Add Student Record | Functional, GUI, Performance | 002 |
| Student Assistant System 18 | Add Student Scholar Record | Functional, GUI, Performance | 002 |
| Student Assistant System 19 | Add Department Record | Functional, GUI, Performance | 002 |
| Student Assistant System 20 | Add Course Record | Functional, GUI, Performance | 002 |
| Student Assistant System 21 | Add Term Record | Functional, GUI, Performance | 002 |
| Student Assistant System 22 | Add Employee Record | Functional, GUI, Performance | 002 |
| Student Assistant System 23 | View Employee Record | Functional, GUI, Performance | 002 |
| Student Assistant System 24 | View Term Record | Functional, GUI, Performance | 002 |
| Student Assistant System 25 | View Course Record | Functional, GUI, Performance | 002 |
| Student Assistant System 26 | View Department Record | Functional, GUI, Performance | 002 |
| Student Assistant System 27 | View Student Scholar Record | Functional, GUI, Performance | 002 |
| Student Assistant System 28 | View Student Record | Functional, GUI, Performance | 002 |
| Student Assistant System 29 | Delete Student Record | Functional, GUI, Performance | 002 |
| Student Assistant System 30 | Edit Student Record | Functional, GUI, Performance | 002 |
| Student Assistant System 31 | Delete Student Scholar Record | Functional, GUI, Performance | 002 |
| Student Assistant System 32 | Edit Student Scholar Record | Functional, GUI, Performance | 002 |
| Student Assistant System 33 | Delete Department Record | Functional, GUI, Performance | 002 |
| Student Assistant System 34 | Edit Department Record | Functional, GUI, Performance | 002 |
| Student Assistant System 35 | Delete Course Record | Functional, GUI, Performance | 002 |
| Student Assistant System 36 | Edit Course Record | Functional, GUI, Performance | 002 |
| Student Assistant System 37 | Delete Term Record | Functional, GUI, Performance | 002 |
| Student Assistant System 38 | Edit Term Record | Functional, GUI, Performance | 002 |
| Student Assistant System 39 | Delete Employee Record | Functional, GUI, Performance | 002 |
| Student Assistant System 40 | Edit Employee Record | Functional, GUI, Performance | 002 |

# Test Cycle Transition

## Entry Criteria

* Requirements are documented, reviewed and approved (Iteration TP and TC)
* Build release is complete and ready
* The build is ready for testing

## Exit Criteria

* Number of bugs found is twice the number of TC
* TC execution completed
* No new bugs found after Regression Testing

## Continuation Criteria

* Bugs are fixed or bug status is not in abnormal termination
* PM requests to execute test

## Abnormal Termination

* Blocker and/or critical bug found that would cause the termination of executing the test (failed in sanity test)
* PM requests to terminate test
* Incomplete deliverables that would waste time to execute test
* Wrong configured environment

# Milestone

|  |  |  |
| --- | --- | --- |
| **Deliverables** | **Date Start** | **Date End** |
| **Develop test Plan** | Feb 10, 2017 | April 5, 2017 |
| **Update and Review Test Plan** | March 27, 2017 | March 31, 2017 |
| **BUILD 001** | | |
| **Test Case** | Feb 18, 2017 | March 9. 2017 |
| **Execute TC-Build 001** | March 09, 2017 | March 09, 2017 |
| **BUILD 002** | | |
| **Test Case** | March 30, 2017 | March 31, 2017 |
| **Execute TC-Build 002** | April 03, 2017 | April 05, 2017 |

# Test Deliverable and Execution

## Key Participants

|  |  |
| --- | --- |
| Name | Role |
| Jun Kimuel Romero | Project Developer |
| Gener Joseph Tomas | Project Developer |
| Rocenoelle Hipolito | Project Analysis |
| Joanna De Guzman | Senior Tester |
| Adrian Tobias | Senior Tester |
| Miguel Mayor | Senior Tester |

## Bug Tracking

## Bug Isolation

|  |  |
| --- | --- |
| Priority Levels | Impact of Bug |
| Critical | Cause tests to fail |
| Major | Significant regressions in user experience |
| Normal | Have isolated impact and may have workarounds |
| Minor | Do not inhibit the functionality or main purpose of the project |

## Test Reports

* Evaluate test results after test case execution in every build.

## Test Release Management

* Test release is handled by the PD and PM, after every build a test will be conducted to prevent further bugs to occur.

## Environmental Needs

## Hardware and Software

|  |  |  |
| --- | --- | --- |
| Resources | Configuration | Installed OS, Software |
| Testing Machine | Language: English (Regional Setting: English)  System Manufacturer: Dell Inc. System Model: Inspiron N4050  BIOS: BIOS Date: 08/03/12 11:22:28 Ver: 04.06.04  Processor: Intel(R) Core(TM) i3-2350M CPU @ 2.30GHz (4 CPUs), ~2.3GHz  Memory: 8192MB RAM  Available OS Memory: 8100MB RAM    Card name: Mobile Intel(R) HD Graphics | Windows 7 Ultimate 64-bit (6.1, Build 7601) Service Pack 1 (7601.win7sp1\_ldr.170209-0600)  XAMPP  Sublime Text Editor 3 |

## Productivity and Support Tools

|  |  |  |  |
| --- | --- | --- | --- |
| Tool’s Purpose | Tool Name | Vendor or in-house | Version |
| Test Management | Testlink | Open Source | 1.9.14 |
| Documentation | MS Word, MS Excel | Microsoft Office | 2010 |
| Revision Control System | GitHub | GitHub | 2017 |

## Test Environment Configuration

# Planning Risks and Contingencies

|  |  |  |
| --- | --- | --- |
| **Risk** | **Mitigation** | **Contingency** |
| **Lack of time for testing** | Match events with schedule | Catch up with other tasks |
| **Additional request for updates** | Ensure scope is being followed | Remind the scope limit of project |
| **Unpredictable results from testing** | Ensure use cases are correct | Find the best possible solution to solve problem |

# Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Role | Signature | Date |
| Romero, Jun Kimuel | Project Developer |  |  |
| Tomas, Gener Joseph | Project Developer |  |  |
| Hipolito, Rocenoelle | Project Analysis |  |  |