Enhanced APC Faculty Loading System

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# Introduction

Enhanced Faculty Loading System is a web-based system that has two (2) users, the Program Head, who in this case is the Admin and the Faculty member, who in this case is the normal user. The system will be able to give the faculty members their loads or subjects to be taught for the term. A faculty member will be matched to different criteria such as Specialization, History of Teaching Load, Availability, Online Teaching Evaluation (OTE), Special Cases, and Rules. The Faculty Loading System will be integrated to APC’s information system – APCIS. This system will be in the server of APC.

## Purpose

* This test plan aims to ensure if all of the modules function.
* This test plan aims to confirm if all functional, performance and design requirement (GUI) are well implemented and have met the needs and wants of the client.
* This is a test plan for the Enhanced APC Faculty Loading System.

## Scope

* This is a test plan for the Enhanced APC Faculty Loading System.

## References

* Enhanced APC Faculty Loading System – Use Case

## Document Terminology and Acronyms

|  |  |
| --- | --- |
| EAFLS | Enhanced APC Faculty Loading System |
| APC | Asia Pacific College |
| APCIS | Asia Pacific College Information System |
| GUI | Graphical User Interface |
| OTE | Online Teaching Evaluation |
| PM | Project Manager |
| SA | Systems Analyst |
| SD | Systems Developer |
| TP | Test Plan |
| UC | Use Case |
| TC | Test Case |

# Test Areas and Specifications

## Features to be tested

ENHANCED APC FACULTY LOADING USE CASES

|  |  |  |  |
| --- | --- | --- | --- |
| UC NO. | UC NAME | TEST TYPE | BUILD NO. |
| FL-01 | User Authentication | Functional, Performance, GUI |  |
| FL-02 | Program Head views control center | Functional, Performance, GUI |  |
| FL-03 | Program Head views subject offerings page | Functional, Performance, GUI |  |
| FL-04 | Program Head tags the faculty | Functional, Performance, GUI |  |
| FL-05 | Program Head tags Availability of faculty | Functional, Performance, GUI |  |
| FL-06 | Program head encodes Faculty Specialization | Functional, Performance, GUI |  |
| FL-07 | Program Head generates the tentative Faculty schedule | Functional, Performance, GUI |  |
| FL-08 | Program Head views individual loads | Functional, Performance, GUI |  |
| FL-09 | Faculty views control center | Functional, Performance, GUI |  |
| FL-10 | Faculty views load | Functional, Performance, GUI |  |
| FL-11 | Program Head edits load of faculty | Functional, Performance, GUI |  |
| FL-12 | User changes system skin | Functional, Performance, GUI |  |

MATCHING ALGORTIHM USE CASES

|  |  |  |  |
| --- | --- | --- | --- |
| UC NO. | UC NAME | TEST TYPE | BUILD NO. |
| MA-01 | Connect Database | Functional, Performance |  |
| MA-02 | Display retrieved data | Functional, Performance |  |
| MA-03 | Get tagged faculty and subjects | Functional, Performance |  |
| MA-04 | Assigning faculty as a member variable | Functional, Performance |  |
| MA-05 | Assigning subjects to subject variable | Functional, Performance |  |
| MA-06 | Checks Faculty Specialization | Functional, Performance |  |

# Test Cycle Transition

## Entry Criteria

## Exit Criteria

## Continuation Criteria

## Abnormal Termination

# Milestone

|  |  |  |
| --- | --- | --- |
| Deliverables | Date Start | Date End |
| Develop Test Plan | February 27, 2017 | February 27, 2017 |
| Update and Review Test Plan | March 2, 2017 |  |
|  | **BUILD 001** |  |
| Test Case |  |  |
| Execute TC – Build 001 |  |  |
| Test Log/Reports |  |  |
| Review/Update Test Cases |  |  |
|  | **BUILD 002** |  |
| Execute TC – Build 002 |  |  |
| Test Log/Reports |  |  |

# Test Deliverables and Execution

## Key Participants

|  |  |  |
| --- | --- | --- |
| Name | Role | Note |
| Jauod, Jameiah Nicole | Project Manager (PM) |  |
| Lazaro, Louise Gabrielle | Systems Analyst (SA) |  |
| Alfafara, Von Matthew | Systems Developer (SD) |  |
| Baldovino, Allen | Tester |  |
| Ochotorena, Rafael | Tester |  |

## Bug Tracking

## Bug Isolation

## Test Reports

## Test Release Management

# Environmental Needs

## Hardware and Software

|  |  |  |
| --- | --- | --- |
| Resource | Configuration | Installed OS, Software |
| Test Server |  |  |
| Client Machine |  |  |

## Productivity and Support Tools

|  |  |  |  |
| --- | --- | --- | --- |
| Tool’s Purpose | Tool Name | Vendor or in-house | Version |
| Test Management | Testlink | Open Source | 1.9.2 |
| Documentation | MS Word, MS Excel | Microsoft Office | 2016 |
| Revision Control System | Github, Trello | Open Source |  |

## Test Environment Configuration

# Planning Risks and Contingencies

# Approvals