Online Course Registration System:

Test Plan Identifier: TP1005

References: List all documents that support this test plan. Refer to the actual version/release number of

the document as stored in the configuration management system. Do not duplicate the text

from other documents as this will reduce the viability of this document and increase the

maintenance effort. Documents that can be referenced include:

- Project Plan
- Requirements specifications
- High Level design document
- Detail design document
- Development and Test process standards
- Methodology guidelines and examples
- Corporate standards and guidelines

Introduction: "AIUB WebSite" will be the represented of AIUB. We have been designing our website with well-equipped technology. AIUB website contains all the information of AIUB students, teachers, academia, registration etc. This project is now at development phase, so readers can read the Software Requirement Specification document for details. This document presents the Student Registration System of AIUB Website. As we know, test plan is a living and breathing document that summarizes the overall effort required to test a software product. Test Plan will actually contain the details of individual tests to be run during the testing cycle like unit test, system test, beta test etc. However, our document will categorize and describe each test case. It will also outline pass-fail criteria and indicate the planned run day or week. This is a quick –reference tracking document for what has to be tested, the priority of test items, what is left to test etc. We followed IEEE-829 format to develop our test plan. We strictly follow the instructions provided by our respective course teacher. This is our first test plan. We strictly follow the instructions provided by our respective course teacher. This is our first test documentation.

Test Items: In Online Course Registration System there are several testing items.

- Valid students access to the portal sight
- Every valid student has registration button to their profile in time
- Only assign sections available in registration segment
- On registration time there is no traffic in the registration sight

Software Risk Issues: In Online Course Registration System Software risk can be possible.

- Software can be slow in registration time
- Software can be crush
- Functional risks
- Operational/procedural risks

Features to Be Tested: These features and attributes to be tested:

Features	Attributes	Likelihood	Impact	Priority
Students Access		High	Medium	5
Registration Option Valid		High	Medium	5
Available Section Registration		High	High	5
Traffic Less		Medium	High	4
Select Section by Student		Medium	High	5
View Schedule		Medium	High	5
View details for single section		Medium	Medium	4
	Capability	High	High	5
	Reliability	High	High	5
	Security	Medium	Low	3
	Compatibility	Medium	Medium	4
	Usability	Medium	Medium	4

Features not to be Tested: Low priority of features and attributes no need to be tested:

Features	Attributes	Likelihood	Impact	Priority
Create Course		Low	Medium	2
Remove Course		Medium	Medium	3
Modify		Low	Low	2
Show faculty name		Low	Low	1
Edit Profile		Low	Low	1

Schedule:

Scheduling is an important part in project management. A schedule is a plan of things to be done and the time when they will be done. In project this software there are many steps like requirements gathering, designing, development, QA & Testing. Every step has fixed timestamps. These are some schedule for the project:

1. Check the SRS documents.
2. Create test Design, observe test execution.
3. Development of Student Registration System.
4. Develop unit and acceptance test plans of this project.
5. Check the system design document.
6. Allocation of system, acceptance.

All steps must be complete within the given fixed budget and time.

Planning Risks and Contingencies:

- Unavailability of Testing Software: This can be caused because of the disability of the tools to handle cookie and it can lead to delay of automated testing and increase manual testing.
- Lack of Tester: If testers are unavailable, test cases can be reduced by eliminating cases with low priority.
- Can't meet the Satisfy Point: Running out money is possible to meet the satisfied point. So back up money should be there. There may not be enough time to complete all test cases. In that case we can skip the cases with lower priorities.

Large Number of Defects: Before testing a large number of defects there. So we should do both automated and manual testing.

Approvals:

Approvals need to be taken from the following persons-

Post	Signature
Project Sponsor – American International University Bangladesh(AIUB)	
Project Manager- Rejwan Ahmed	
Project Supervisor – Md Al-Amin	
Development Team Leader – Amzad Hossain Jacky	
Testing Team Leader - Fariha Jahan Rainy	
Management Team Leader- Rajdeep Sarkar	

Glossary:

Term	Definition
Test Plan	A test plan is a document describing software testing scope and activities.
Testing Cycle	A test cycle is a container for tests and test suites that spans multiple users and projects.
Unit Test	Unit testing is a level of software testing where individual components of a software are tested. Unit testing is a code level testing.
System Test	System testing is a level of software testing where a complete and integrated software is tested.
Beta Test	A field test of the beta version of a software especially by testers outside the company developing it and release it to the public.
Test Case	A test case is a set of conditions under which a tester determines whether the software satisfies requirements and functions properly.
Test Documentation	Test documentation is the complete suite of artifacts that describe test planning, test design, test execution, test results and conclusions drawn from the testing activity.
Test Item	A test item is a specific task testers are asked to perform.
SRS Document	A software requirements specification(SRS) is a document that describes what the software will do and how it will be expected to perform.
Development Phase	The development phase is stage of development during the developing time.
Integration Test	Integration testing is a level of software testing where individual units are combined and tested as a group.
Acceptance Test	Acceptance testing is a level of software testing where a system is tested for acceptability.
CRUD Operations	CRUD stands for create, read, update and delete. Most of the software have some of CRUD functionality.
SDLC	The software development life cycle(SDLC) is a framework defining tasks performed at each step in the software development process.