TEST PLAN FOR STUDENT ENROLMENT SYSTEM

1. OVERVIEW

1.1 Product name

"Student Enrolment System"

1.2 Project Lead

Phùng Thanh Tú - 19522455

1.3 Test Staff

Nguyễn Tiến Đạt

Võ Đông Phú

Nguyễn Minh Hưng

1.4 Product Overview

- Login

- Log out

- Registering phase:

    - Uppdate Candidate's data

    - Search Candidate by name

    - Set exam date (admin)

    - Finish Registering phase (admin)

- Scoring phase:

    - View Candidates List

    - Set test score

    - Set Benchmark

- - Finish Scoring phase (admin)
- Finish phase:
  - View statistic phase

2. Test Plan Objectives

- Define Objectives
- Define what will be tested and what will not
- Determine Environment and tool for testing
- Identify software and hardware used for testing

3. Testing Strategy

3.1 System Test

The System tests will focus on the behavior of the visualizing system. User scenarios will be executed
against the system as well as screen interacting and error message testing. Overall, the system tests will
test the integrated system and verify that it meets the requirements defined in the requirements
document.

3.2 Performance Test

Performance test will be conducted to ensure that the visualizing system"s response time meet the user
expectations and does not exceed the specified performance criteria. During these tests, response times
will be measured under heavy stress and/or volume

3.3 Documentation Test

Tests will be conducted to check the accuracy of the output Microsoft word documentation. These tests

will ensure that no features are missing, and the contents can be easily understood

3.4 Installation Test

The application will be installed on some environments (Windows XP SP2, SP3 and Windows Vista) and
we will check its compatibility with those environments. In the other hand, we will test the process of
removing the application from the system.

4. Test Approach

1. Review project document.
2. Design test strategy and Determine test requirements.
3. Create test plan.
4. Design test case template.
5. Design and build test case.
6. Execute test plan.
7. Create test report.

5. Technique used

- Blackbox Testing - manual testing
- Whitebox Testing - Xunit

6. Item will be tested

- Login
- Display Screens
- Edit Register Information
- Add Candidate in Registration
- Delete Candidate in Registration
- Set Exam Day

- Search Candidate

- Finish Register phase

- Export Document

- Scoring

- Set Benchmark

- Confirm Score

7. Item will not be tested

- Install .msi file

- Statistic

- License

8. Type of Testing

Blackbox Testing

- Login

- Display Screens

- Edit Register Information

- Add Candidate in Registration

- Delete Candidate in Registration

- Set Exam Day

- Search Candidate

- Finish Register phase

- Export Document

- Scoring

- Set Benchmark

- Confirm Score

Unit Testing

- Function checkLogin in the CheckLogin module

9. Suspension criteria and resumption requirements

Suspension criteria

- Hardware/software is not available at the times indicated in the project schedule.

- Source code contains one or more critical defects, which seriously prevents or limits testing progress.

- Assigned test resources are not available when needed by the test team.

Resumption requirements

If testing is suspended, resumption will only occur when the problem(s) that caused the suspension has been resolved. When a critical defect is the cause of the suspension, the "FIX" must be verified by the
test department before testing is resumed.

10. Role and Responsibilities

Worker	Resources Recommended	Specific Responsibilities
Test Lead and Project Manager Phung Thanh Tu	30%	- Create Document - Provide Test Plan - Assist testers - Manage test report
Test Designer Nguyen Tien Dat	30%	- Create Testcases - Write Unit Testcases - Develop Unit Test
Tester Vo Dong Phu Nguyen Minh Hung	20% 20%	- Execute blackbox testcase - Report Defects - Recover from errors

11. Deliverables

- Requirement Document

- Design Document

- Test Plan

- Whitebox Testcases

- Blackbox Testcases

- Defect List