**Title**

**Software Quality Assurance Plan**

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**Document History and Distribution**

1. Revision History

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# Introduction

This project covers the development of a Student Information Management System (SIMS).

## 1.1 Objectives

The objective of this project is to learn how to use modern methods of project management to complete the given project on time with all the given requirements.

## 1.2 Testing Strategy

The testing strategy that this program will be using is going through each of the individual use cases and making sure that each of them are able to function as intended.

## 1.3 Scope

The program itself will not be covering the full range of options that a SIMS should be able to accomplish, and this program will only be able to cover which classes the student is a part of, the storage of basic information about the student and major choice, and the storage of the grades of each course.

## 1.4 Reference Material

|  |  |  |
| --- | --- | --- |
| **Resource** | **Identifier** | **Description of Use** |
|  |  |  |
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|  |  |  |

## 1.5 Definitions and Acronyms

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| --- | --- |
| **Term** | **Definition** |
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| --- | --- |
| **Acronym** | **Meaning** |
| SIMS | Student Information Management System |
|  |  |
|  |  |

# Test Items //???

*// I don’t understand the code so I can’t help for this section.*

## 2.1 Program Modules

## 2.2 User Procedures

**Teacher:**

* Access Taught Classes
* Upload Assignments
* Grade Assignments

**Student:**

* Access Registered Classes
* View Assignments
* Upload Assignments
* Check Grades

## 2.4 Operator Procedures

# 3. Features To Be Tested

// ???

# 4. Features Not To Be Tested

// ???

# 5. Testing

## 5.1 Component Testing

## 

## 5.2 Integration Testing

## 

## 5.3 Conversion Testing

## 

## 5.4 Job Stream Testing

## 

## 5.5 Interface Testing

## 

## 5.6 Security Testing

## 5.7 Recovery Testing

## 5.8 Performance Testing

## 5.9 Regression Testing

## 5.10 Acceptance Testing

## 5.11 Beta Testing

# 

# 6. Pass / Fail Criteria

## 6.1 Suspension Criteria

## 6.2 Resumption Criteria

## 6.3 Approval Criteria

# 7. Testing Process

## 7.1 Test Deliverables

## 7.2 Testing Tasks

## 7.3 Responsibilities

## 7.4 Resources

## 7.5 Schedule

# 8. Environmental Requirements

## 8.1 Hardware

## 8.2 Software

## 8.3 Security

The system login uses a hashed encryption system to store the user’s passwords.

## 8.4 Tools

## 8.5 Publications

## 8.6 Risks and Assumptions

# 9. Change Management Procedures

# 10. Plan Approvals