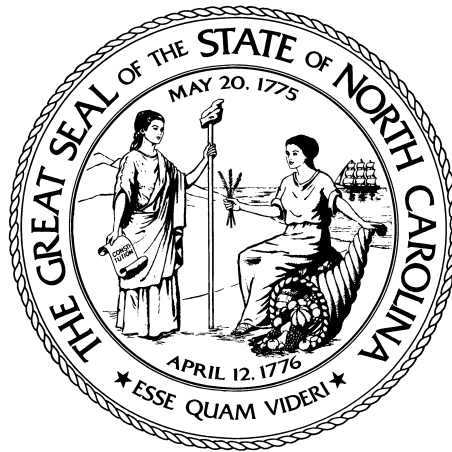


Isaac Baker



WSUASTIS

Software Quality Assurance Plan

Version: 1

Date: 10/14/2013

Document History and Distribution

1. Revision History

Revision #	Revision Date	Description of Change	Author
1	10/13/2013	Creation of document	Isaac Baker

2. Distribution

Recipient Name	Recipient Organization	Distribution Method
Andy O'Fallon	WSU CptS 422	Electronic

TABLE OF CONTENTS

1.INTRODUCTION.....1

2.TEST ITEMS.....2

1. INTRODUCTION

Washington State University Apparel Shop Transaction and Inventory System (WSUASTIS) is a complete system that manages inventory for a WSU Apparel shop, and helps keep record of created transactions made. The backend database is a standard XML file with format specified. WSUASTIS performs many database operations in normal use and thus this is a critical point to be tested. Ensuring data entered via the program is saved correctly in the database and vice versa is of keystone importance.

1.1 Objectives

Testing is to be manually conducted on this system according to specifications by Andy O'Fallon. Specific and non-specific fault models will be developed to derive test cases to be executed.

1.2 Testing Strategy

The testing strategy will be to develop specific and non-specific fault models to derive test cases from. Testing will then be manually conducted according to these test cases.

Specific test plan components include:

- Purpose of this level of testing:
 - ◆ To manually detect any defects or bugs that may be present in the system
- Items to be tested:
 - ◆ WSUASTIS
- Features to be tested
 - ◆ Save/Load database
 - ◆ Transaction Creation
 - ◆ Inventory edit capability
 - ◆ Inventory searching
 - ◆ Receipt printing
- Features not to be tested
 - ◆ UI interaction/IO

1.3 Scope

Testing will be performed once during the software lifecycle. Testing for this system is to be manually conducted and based off the test cases derived from the fault model.

1.4 Reference Material

Fault model examples given by Andy O'Fallon in class “Binder, Testing Object-Oriented Systems”

1.5 Definitions and Acronyms

- Washington State University Apparel Shop Transaction and Inventory System (WSUASTIS)

2. TEST ITEMS

2.1 Program Modules

Each module that is built will be manually tested by the developer in accordance to the test case for the module.

2.2 Operator Procedures

The application should be run via the application executable file. It does not have any DLL dependencies, but to use a database, it should be stored in the same location as the executable and named “RecordDatabase.xml”.