

Testing Center Software

BYU-Idaho Software for running the Testing Center and managing tests.

Revision 1.00; September 23, 2013

CS364

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Rev. | Date | Author | Note |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 1.00 | 09/24/2013 | Adam Harper | Initial Revision |

Contents

[1. Introduction 5](#_Toc367823279)

[1.1. Purpose 5](#_Toc367823280)

[1.1.1. Delineate the purpose of the SRS 5](#_Toc367823281)

[1.1.2. Specify the intended audience 5](#_Toc367823282)

[1.2. Scope 5](#_Toc367823283)

[1.2.1. Identify Software to be produced by name 5](#_Toc367823284)

[1.2.2. Explain what the software product will and will not do 5](#_Toc367823285)

[1.2.3. Application of the software 5](#_Toc367823286)

[1.3. Definitions, Acronyms and Abbreviations 5](#_Toc367823287)

[1.4. References 5](#_Toc367823288)

[1.5. Overview 5](#_Toc367823289)

[1.5.1. What the rest of the SRS contains? 5](#_Toc367823290)

[1.5.2. How the SRS is organized? 5](#_Toc367823291)

[2. Overall description 5](#_Toc367823292)

[2.1. Product Perspective 5](#_Toc367823293)

[2.1.1. System interfaces 5](#_Toc367823294)

[2.1.2. User interfaces 6](#_Toc367823295)

[2.1.3. Hardware interfaces 6](#_Toc367823296)

[2.1.4. Software interfaces 6](#_Toc367823297)

[2.1.5. Communication interfaces 6](#_Toc367823298)

[2.1.6. Memory constraints 6](#_Toc367823299)

[2.1.7. Operations 6](#_Toc367823300)

[2.1.8. Site adaption requirements 6](#_Toc367823301)

[2.2. Product Functions 6](#_Toc367823302)

[2.3. User Characteristics 6](#_Toc367823303)

[2.4. Constraints 6](#_Toc367823304)

[2.5. Assumptions and Dependencies 6](#_Toc367823305)

[2.6. Apportioning of requirements 6](#_Toc367823306)

[3. Specific Requirements 6](#_Toc367823307)

[3.1. External interfaces 6](#_Toc367823308)

[3.2. Functions 6](#_Toc367823309)

[3.3. Performance requirements 6](#_Toc367823310)

[3.4. Logical database requirements 6](#_Toc367823311)

[3.5. Design constraints 6](#_Toc367823312)

[3.5.1. Standards compliance 7](#_Toc367823313)

[3.6. Software system attributes 7](#_Toc367823314)

[3.6.1. Reliability 7](#_Toc367823315)

[3.6.2. Availability 7](#_Toc367823316)

[3.6.3. Security 7](#_Toc367823317)

[3.6.4. Maintainability 7](#_Toc367823318)

[3.6.5. Portability 7](#_Toc367823319)

[3.7. Organizing the specific requirements 7](#_Toc367823320)

[3.7.1. System mode 7](#_Toc367823321)

[3.7.2. User class 7](#_Toc367823322)

[3.7.3. Objects 7](#_Toc367823323)

[3.7.4. Feature 7](#_Toc367823324)

[3.7.5. Stimulus 7](#_Toc367823325)

[3.7.6. Response 7](#_Toc367823326)

[3.7.7. Functional hierarchy 7](#_Toc367823327)

[3.7.8. Additional comments 7](#_Toc367823328)

[3.8. Supporting information 7](#_Toc367823329)

[3.8.1. Table of contents and index 7](#_Toc367823330)

[3.8.2. Appendixes 7](#_Toc367823331)

# Introduction

## Purpose (Devyn) (Adam: Review) (Chris: Final Review)

### Delineate the purpose of the SRS

### Specify the intended audience

## Scope (Devyn) (Adam: Review)

### Identify Software to be produced by name

### Explain what the software product will and will not do

### Application of the software

#### Relevant benefits

#### Objectives

#### Goals

## Definitions, Acronyms and Abbreviations (All)

FERPA –

I-Number –

I-Learn -

## References (All)

## Overview (Adam)

### What the rest of the SRS contains?

### How the SRS is organized?

# Overall description (Devyn: Draft) (Jordan: man in middle) (Chris: Final Review)

## Product Perspective

### System interfaces

+The system shall be able to look up a student (including picture) based on I-Number. The interface here is to the existing school systems.

+The system shall provide music in one separate room of testing. (How do they do this currently? A cd player? If so do they want to be able to turn on/off music from the testing center system?) The interface here is to the existing speaker in the wall, if applicable.

+if deemed appropriate the system shall provide music to the line as well.

### User interfaces

+Upon error the User will be informed of the error and a current testing center employee (who is working at a computer).

+The student tacking a test shall not be able to go to any other program on their testing device (electronic).

+The user interface shall enable a testing center employee with 5 months of experience to check out a test within 3 min.

### Hardware interfaces

+There shall be a device for entering the student’s I-Number, connected via USB to a Testing center Employee’s work station/computer.

### Software interfaces

+Students shall be able to review scheduled tests and what they are allowed to bring to their test before arriving at the testing center. The interface here is to a web browser.

+The System shall interact with I-Learn interfaces to upload grades.

+The System shall interact with I-Learn interfaces to upload statistics.

### Communication interfaces

+Any HTML content served shall be compliant with HTTP protical 1.1

### Memory constraints

### Operations

### Site adaption requirements

+The system shall turn off and turn on by times specified by the Testing Center Employee’s

## Product Functions

+electronic tests (including serving of computers)

+Paper tests (including printing of tests)

## User Characteristics

## Constraints

## Assumptions and Dependencies

## Apportioning of requirements

# Specific Requirements (Devyn: Draft) (Jordan: man in middle) (Chris: Final Review)

## External interfaces

+Enable student to view scores and times for past, current and upcoming tests in the testing center

## Functions

## Performance requirements

+The system shall support 500 students taking a test at any given time (either electronic or paper)

+The system shall support X number of employee terminals

## Logical database requirements

## Design constraints

### Standards compliance

## Software system attributes

### Reliability

### Availability

### Security

### Maintainability

### Portability

## Organizing the specific requirements

### System mode

### User class

### Objects

### Feature

### Stimulus

### Response

### Functional hierarchy

### Additional comments

# Supporting information

## Table of contents and index

## Appendixes