

Testing Center Software

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

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CS364

**Revision History**

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# 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.

+System shall be scalable (ie desktops to mobile)

### 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.

+System shall be scalable (ie desktops to mobile)

### Hardware interfaces

+The system shall provide information about the average waiting time before entering the line using a monitor (TV).

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

+System shall handle multiple testing locations

+System shall be scalable (ie desktops to mobile)

### 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.

+System shall handle multiple testing locations

+System shall allow online testing

+System shall be scalable (ie desktops to mobile)

+The system shall provide the option to schedule tests.

+The system shall provide information about the average waiting time before entering the line.

+The system shall provide information about the average waiting time before entering the line. +The user will be able to check this information in the school website.

### Communication interfaces

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

+System shall allow online testing

### 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)

+System shall allow online testing

+System shall be scalable (ie desktops to mobile)

## 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

+System shall allow online testing

+System shall be scalable (ie desktops to mobile)

+The system shall provide information about what is required to bring to the testing center.

+The system shall provide information about what is allowed to bring to the testing center.

+The system shall provide information about what is not allowed to bring to the testing center.

+The system shall provide information about what is required to bring to the testing center

+The system shall provide information about the average waiting time before entering the line.

## 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

+System shall handle multiple testing locations

+System shall be scalable (ie desktops to mobile)

## 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