Software Requirements Specification

Version 1.0

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Student Credit Box System

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<<Any comments inside double brackets such as these are *not* part of this SRS but are comments upon this SRS example to help the reader understand the point being made.

Refer to the SRS Template for details on the purpose and rules for each section of this document.

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# 1.0. Introduction

## 1.1. Purpose

This file aims to describe the system of automating the student loan fund at Al-Baath University and the basic and subsidiary requirements it needs, and outlines the tasks that this system must provide to meet all needs.

## 1.2. Scope of Project

This software system will be an automated system for student credit bureau. This system would be designed to maximize productivity by providing tools to help automate file review and loan granting, which would have been done manually. By increasing employee efficiency, the system meets the needs of employees while still easy to understand and use.

More specifically, this system is designed to allow employees to manage and communicate with a group of student auditors to grant them loans. The program will be facilitated with simple interfaces.

## 1.3. Glossary

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| **Term** | **Definition** |
| Student Credit Office | An office that grants university students access to loans to assist their studies |
| cashier | The employee responsible for paying the loans and receiving the money |
| manager | is a person who has the highest authority at work and has powers to accept or reject loans |
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## 1.4. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

## 1.5. Overview of Document

The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.

# 2.0. Overall Description

## 2.1 System Environment

Cashier

Employee

Manager

Student

Software homepage

System Manager

Automated student credit center automation system

Figure - System Environment

The Student Credit Center Automation System consists of four active actors and one collaborative system.

The employee, cashier access the main page of the software that allows limited services. The manager accesses the entire system directly.

Note: The student is not directly connected to the system he communicates to the system through the employees working in the office

## 2.2 Functional Requirements Specification

This section outlines the use cases for each of the active readers separately. The reader, the author and the reviewer have only one use case apiece while the editor is main actor in this system.

### 2.2.1 Employee Use Case

Getting a loan

Employee

#### Loan resumption

Student

#### 

#### Use case: Getting a loan

#### Diagram:

Employee

Getting a loan

Student

**Brief Description**

The student arrives at the office and the employee records a loan request for him.

**Initial Step-By-Step Description**

#### 1. The employee enters the student's information into the system

#### 2. The employee checks the conditions for accepting the sponsor and attaches the files

#### 3. The employee verifies that the student obtained the approval of student affairs and attaches the files to the student's information

#### 4. The system organizes the student card

#### 5. The system gives a student a special serial number

#### Xref: Section 3.2.1, Getting a loan

#### Use case: Loan resumption

#### Diagram:

employee

Loan resumption

Student

**Brief Description**

The student arrives at the office and the employee registers a request to resume the student loan after it has been previously suspended from the manager

**Initial Step-By-Step Description**

#### 1. The employee enters the student number into the program

#### 2. The employee verifies the student's success.

#### 3. The employee activates the student card in the system

#### Xref: Section 3.2.2, Loan resumption

### 2.2.2 Cashier Use Case

Students

Cashier

Pay off a loan

#### Use case: Pay off the loan

**Diagram:**

Students

Cashier

Pay off the loan

**Brief Description**

The cashier deducts the amount that the student has paid

**Initial Step-By-Step Description**

1. The cashier chooses the button to search the student’s serial number to access the student’s database.
2. Determine the type of loan from the system that the student will pay (monthly / computer)
3. The system determines the amount to be paid with the addition of delay benefits
4. The cashier enters the amount the student pays into the system.
5. The system deducts the amount paid from the amount that the student must pay.
6. The system prints a receipt of the amount paid, its benefits and date.

#### Xref: Section 3.2.1, Pay off the loan

Use case: **Inquiry about the amount paid out**

**Diagram:**

Cashier

Inquiry about the amount paid out

**Brief Description**

The treasurer obtains information about a loan for a specific student

**Initial Step-By-Step Description**

1. The cashier chooses to enter the student number and search for him in the system.

2. The system searches for the student number database

3. The cashier chooses details about this loan.

4. The system shows lists of the sums withdrawn and paid for the student number.

**Xref:** Section 3.2.2, **Inquiry about the amount paid out**

### 2.2.3 Manager Use Case

**Use case:** Stop granting the monthly loan

#### Diagram:

Manager

Stop granting the monthly loan

**Brief Description**

The principal pauses cards for students who fail the system until they succeed

**Initial Step-By-Step Description**

1. At the beginning of each academic year, the director requests the system to review student databases and search for students who have not submitted a success document

2. The system gives links to student cards

3. The principal activates the suspension of student cards

**Xref:** Section 3.3.1, Stop granting the monthly loan

## 2.3 User Characteristics

All users (employee / manager /

Cashier) from using buttons and drop-down menus

And similar tools.

The main screen of the program will have a simple interface

It contains a button for a loan and a button to repay the loan

The manager is expected to be familiar with Windows and that

It is able to handle databases.

The detailed look of these pages is discussed in section 3.2 below.

## 2.4 Non-Functional Requirements

It is assumed that there is a local network between the staff devices. There is a printer connected to the cashier's computer to print a link of a certain size and not color (white / black). The speed of the software depends on the capabilities of the computer.

The manager will run on the private computer that contains the Access database. Access is already installed on this computer, which is a Windows operating system.