
Software Requirements Specification

for

Baking System Application

Version 1.1 approved

Prepared by <Luis Ledezma, Feras Shoukeir, and Samer Al Musawi>

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Revision History

Name	Date	Reason For Changes	Version
Luis Ledezma			
Feras Shoukeir			
Samer Al Musawi			

1. Introduction

1.1 Purpose

Our first Software Engineering project will resemble a banking system application. This app will be having the characteristics of an app that will store information. As a banking system, it will have information tracking and storage capabilities. It will allow the user/organization to store information from both clients/costumers as well as their employee's information.>

1.2 Software

The application will be written in C++ programming language and for project requirements we will be using tinyxml2 libraries for support and build purposes. Depending on the scope of the application, there could be more libraries that added to the project for functionality purposes>

1.3 Project Goals

When the application is complete, the users will be able to use the application for banking purposes. The users will be able to store and retrieve information.>

2. Overall Description

2.1 Product Perspective

As a small banking system application that will store information, it will mainly focus on two types of information; from clients/customers and from employees. When it comes to clients/customer's information, the main things that this application will focus on will be the ones that we believe are the most important ones to make a banking system work.>

2.2 Product Features

We will be using tinyxml2 to help store client's accounts which have unique account ids for example. Those account ids are associated with individual customers. Those accounts can also have checking accounts or saving accounts. Within those accounts there are transactions and money involved which this application will help keep track of. As far as the employees goes, this application will help store things like their names, ids, address, type of employee and more. Those employees also have employee credentials like logins, password, etc. This application with the use of tinyxml2 will help keep track of all the information needed.>

2.2.1 Product Features Updates (Credit Card Application)

As a big new feature, we decided to add the ability to add credit/debit card information. It would act the same way a company would conduct a credit card application process and it would handle it

the same way. By checking scores and the necessary requirements, the application determines whether or not come can apply for a credit card. The credit card information is saved as well as the applicants info in our xml files that already exist within the project.>

2.2.2 Product Features Updates (Password encryption)

Another big feature for that his update includes is password encryption. It was important but also nice to add a password encryption because it just made sense to add the feature because passwords have to be protected. And of course, you can't have a banking system without out any protective measures.>

2.2.3 Product Features Updates (enhancements)

We decided to add a tinyxml helper as well as try-catch blocks to be able to handle error much more efficient. This update also includes minor enhancements to make the application run smoother and more reliable.>