

Software Requirements Specification

Introduction

Purpose

This product is a convenient way for customers to access their bank account. It will be useful for both consumers and producers. Producers will be able to add value to accounts and consumers will be able to remove funds from accounts. It will handle overdrafts, produce statements for consumers, and show accrued interest. It will be a more accessible way for account holders to access information surrounding their money.

Intended Audience

The intended audience of this document is the software development team that will be creating the product: myself, Abi, Katie, and Caelum. Additional stakeholders would be the customer service team, senior leadership, marketing, and data processing, as all these departments would face benefits and changes to day to day operation with the implementation of this software.

Intended Use

Due to the nature of this project, we will be implementing a scale model of a DDM that will have limited features of the entire system.

Scope

This product is intended to improve the ease of access that a customer has with their account. It will provide statement and balance updates. It will improve customer service, and account management. The software will show which type of account the person has access to, and will improve overall communication between the business and the customer.

Definitions and Acronyms

Success means producing an efficient software that accurately portrays customers' accounts.

Overall Description

User Needs

The user should be able to see their account, add debits and credits, see statements and the types of account that they hold. It should be efficient, easy to use, and accurate.

Assumptions and Dependencies

This project requires a connection to MySQL through Squirrel which is hosted on the Simmons network. If there are issues with MySQL on Simmons end, then the database access will not be able to work. Beyond that, the software for this product stands alone.

System Features and Requirements

Functional Requirements

The product needs customers. The customers need an account which can handle debits and credits, interest, checks, and produce a statement. Therefore, a database of customers is necessary for the product to function.

Interface Requirements

This particular project will not have a GUI component. It will function through command line calls.

System Features

This product uses databases on MySQL and Java to manage the customers.

Non-functional Requirements

The security for this product does not exist, but it has the potential to implement username and password security features. It should have efficient performance such as around a 1 second latency period.