**Software Requirements**

Project Name**: Banking *Management System***

Company**: *American Express***

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**1. Introduction**

**1.1 Purpose**

The goal of the project is a banking Web application and an ATM system for users of American Express Bank, to be able to check their balance, do online payments, transfer money and so one, all of which will be accessible with the online website.

**1.2 Intended Audience**

The intended audience are our client the stakeholders of American Express Bank, and the customers using American Express.

**1.3 Intended Use**

The intention of the software’s is that users can do banking online from anywhere and anytime the wish, and using the ATMs distributed all across the United States without going to the bank. And to make banking easier and understandable for the customers.

**1.4 Scope**

For this project the Client has outlined us with several functions that the software needs to accomplish, those are:

* Check Balance
* Transfer Money to different accounts
* Transaction History
* Account Overview
* Withdraw Money

**2. Overall Description**

As mentioned above, the customer in this case American Express Stakeholders want us to develop a software for its clients, that will fulfill certain banking functions online, and it should be easy to navigate and manageable by the customers.

**2.1 User Needs**

The users in this case want an easy yet manageable Banking System/Software so that they can do certain banking functions such as, Balance Check, Transfer Money etc.…

**2.2 Assumptions and Dependencies**

For starts the software needs to be highly secured due to the reason being that users have personal information in the system, and there for the margin for errors needs to be 0, otherwise all of the user’s private information will be leaked or vulnerable to any outside source.

**3. System Features and Requirements**

**3.1 Functional Requirements**

As mentioned above, in coordination with the client (American Express), they want the software to accomplish several key functions, those being:

* Check Balance
* Transfer Money to different accounts
* Payment/Transaction History
* Withdraw Money
* Register new Clients

**3.2 External Interface Requirements**

The customers want the software to be easy to navigate, as for the UI design they wish that the UI design would be in Blue and White colors representing their logo design.

**3.3 System Features**

In order for the software to be functional, we need to implement a Database which will be able to store information upwards of +50milion users considering it is one of the largest bank in North America, and as for deployment, we feel that the best solution is that to use cloud servers with 8GB in RAM, and will be online 24/7.

**3.4 Nonfunctional Requirements**

For the non-functional requirements we have been guided by the customer to focus more on these non-functional requirements:

**Security and Reliability:** The software needs to be secured due to the reason that clients have personal information stored, and the clients need to be assured that their information will not be leaked in any way.

**Maintainability:** It makes it possible to add or change features confidently, while not avoid making improvements for fear of breaking the existing software.

**Scalability:** It will be designed for large scale use, to the ever-growing clients that will use this software in the future.