ONLINE SAVINGS BANK (SRS)

1) Introduction:

Purpose

This document details the software requirements for the Online Banking system project. It defines what the problem is and what problems a complete solution has to solve. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be liable for the approval or disapproval of the project by the community of the Bank.

Scope

An online banking system will be applicable everywhere, where banking exists. It will be more efficient and easier way to have a record on systems through which everyone can easily access it according to his rights as compared to the traditional banking system. Every bank will prefer the online banking system instead of the traditional banking system as it contains many useful features and fastest methods for the transactions.
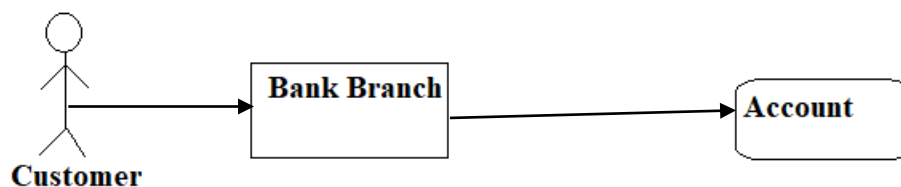
2) General Descriptions
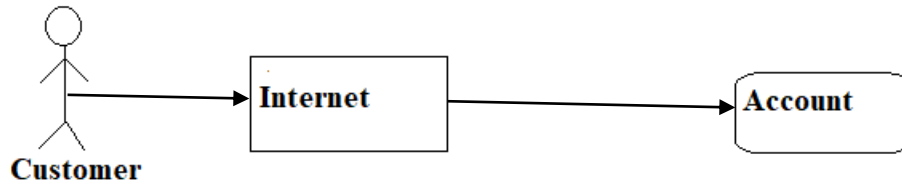
Product Perspective

The Online Banking System is the software, which manages the various users with independent access. The Online Banking is a special order software system. It will be used in the stated configuration of online.

In traditional system, customer should have to visit the Bank branch physically for the transactions or some other task. It wastes time.
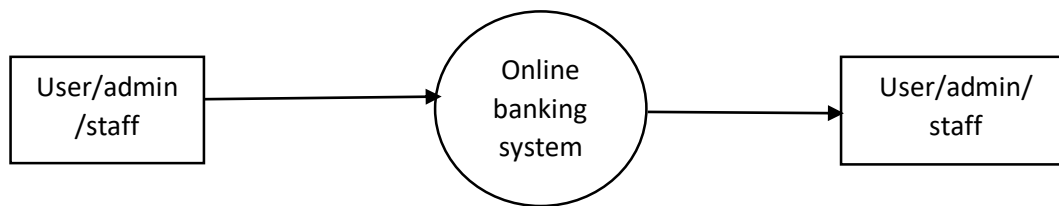
Traditional Banking System

New System

DFD(level 0)

After implementing the online banking system customer will be able to connect to his account through the internet connection. Time usage will be minimized, task will be done fast instead of waiting someone other to complete his task.

Functionalities

This software will have following functionalities

Online balance check and transaction information:

Customer will be able to check his balance online while sitting at home by accessing the database of the bank using his/her password and account no. allotted him by the bank

Save or view up to 1 year past history of transaction:

It will be easy for the customer to view or save his history transactions up to past 1year transactions. It will provide him the opportunity to maintain his bank balance and needs.

Balance transfer:

This system will provide a path to the customer of the bank to transfer his balance to other account in easy steps. A small transfer fee will be applicable for this transaction

Online record Entry:

Bank staff will input and maintain their record online. It will be easy and efficient for them to serve more and more people in less time.

Online record search:

Bank staff will easily search a record and update it if needed. Transactions will be faster even physically from the branch because it will be very easy for the bank staff to check the balance of a specific person and update its record if necessary.

Online Billing Option:

Customers will be able to shop online and pay the bills from their account. A secure way will be provided for the billing. Online shopping will provide them the easiest way to buy and sell their items.

Safety and Security

This Project must be safe and secure because customers will directly contact their account through the internet. Software will have to identify the valid customer according to his/her bank details and password. So it is a difficult task to prevent the system by major disasters by preventing the unauthorized access to the system.

Assumptions and Dependencies

Following are the assumptions and dependencies which are related to this online banking project.

1) This project is a stand-alone project so it will not affect the system where it will be embedded.

2) This project is a web-based project while the staff was addict of using traditional methods of data storage and retrieval so they will be trained a bit to jump to it.

3) This system will not depend on any other module. It will be a web-based so everyone will independently contact it. 4) It is will not affect the environment at all.

5) Banks will feel free to adopt it because it will not be so much expensive.

6) As this project contains valuable and new features so it will probably remove the previous online banking systems embedded in some banks.

3) Specific Requirements

Functional Requirements

Following are the services which this system will provide. These are the facilities and functions required by the customer.

a) Online balance check.

b) Online shopping opportunity.

c) Online data entry by the staff.

d) Updating the data.

e) Balance transfer.

f) Check book Allotment.

Non-Functional Requirements

Those requirements which are not the functionalities of a system but are the characteristics of a system are called the non-functionalities. Every software system has some non-functionalities. Just fulfilling the requirements of the user is not a good task, keeping the system accurate, easy to maintain, reliable and secure is also a basic part of software engineering. Online Banking System must have the following non-functional requirements so that I could be said as a complete system.

Reliability, Correctness, Performance, Usability, Maintainability.

4) Possible Product Evolution

Not even one system maintains its stability for a very long period. Every system requires evolution according to the time and fashion introduced in the market as well as due to lot of competition companies have to change their system to provide more features to their customers to compete the society.