

# SRS FOR BANK MANAGEMENT SYSTEM

# 1) Introduction:

## 1.1 Purpose:

The purpose of this document is to present a detailed overview of the **Online Banking System**. 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.

## 1.2. Scope:

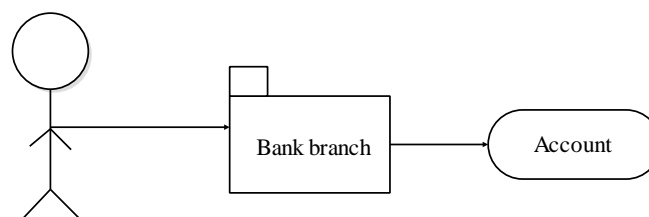
An online banking system will be applicable everywhere, where banking exists. It will be more efficient and easier way to have a record on systems through which everyone can easily access it according to his rights as compared to the traditional banking system. Every bank will prefer the online banking system instead of the traditional banking system as it contains many useful features such as opening of account, electronic funds transfer, record monthly statement etc.

# 2) General Descriptions:

## 2.1. Product Perspective:

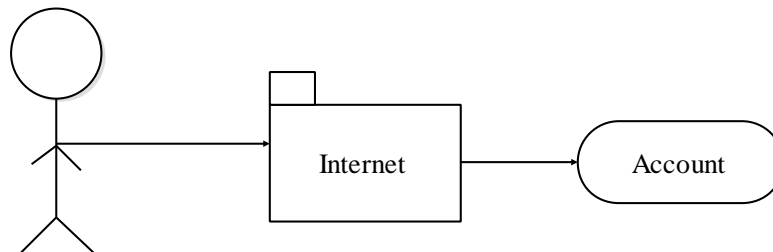
Following is the context or origin of online banking system. Comparison b/w the Tradition system and the new system can also be cleared through the system models.

### Online Banking System(Traditional System)



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

### **Online Banking System(New System)**



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.

#### **2.2. Functionalities:**

This software will have following functionalities.

##### **2.2.1. Online balance check and transaction information:**

Customer will be able to check his balance through online.

##### **2.2.2. View history of transaction:**

Customer can view his/her transaction history through online.

##### **2.2.3. Balance transfer:**

Customer can transfer the balance amount to other account through any payment mode such as through direct account or upi payment.

##### **2.2.4. Online record Entry and Search:**

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. They can also search record entries or transaction details of customer for update if its needed.

#### **2.2.6. Online Shopping:**

Customers will be able to shop online and pay the bills from their account.

### ***2.3 User Characteristics***

There are various kinds of users for the product.

The users include:

2.3.1. Staff who will be work for bank and he/she will have the privileges of maintain and updating information of customers and solve their accounts problem.

2.3.2. All the persons who needs to perform banking.

### ***2.4 Generals Constraints:***

The information of all the users must be stored in a database that is accessible by the Online Banking System. The Online Banking System is connected to the computer and is running all 24hours a day. The users access the Online Banking System from any computer that has Internet browsing capabilities and an Internet connection. The users must have their correct usernames and passwords to enter into the Online Banking System.

#### ***2.4.1. Hardware Requirements:***

As this system is an online Web-based application so a client server will be the most suitable Organizational style for this system. Computer systems will be needed by each of the actor as well as that user must be connected to the internet. So, concisely following hardware will be needed.

1) Computer systems

2) Internet availability

#### ***2.4.2. Safety and Security:***

This Project must be safe and secure because customers will directly contact their account through the internet. System will have to identify the valid user according to his/her details and password. System must avoid the fake entries. If the user enter the

wrong details and password then the system will inform the user about their mistake through message.

## **2.5 System specification**

In this section the hardware and software requirements essentially needed for the proposed system or the project is described.

### **2.5.1. Software and Hardware specification**

#### **Software specification**

|                  |                                 |
|------------------|---------------------------------|
| WEB SERVER       | - IIS 5.03                      |
| INTERNET TOOLS   | - HTML,DHTML,JAVASCRIPT         |
| LANGUAGE         | - ASP.NET WITH C#               |
| OPERATING SYSTEM | - WINDOWS 7/8/10 WITH IIS       |
| FRONTEND         | - ASP.NET                       |
| BACKEND          | - MS SQL SERVER 2008            |
| WEB BROWSER      | - INTERNET EXPLORER 6 AND ABOVE |

#### **Hardware specification**

|                |                                     |
|----------------|-------------------------------------|
| CPU            | - INTEL PENTIUM PROCESSOR AND ABOVE |
| HARDDISK SPACE | - 40 GB                             |
| DISPLAY        | - 15" COLOR MONITOR                 |
| MAIN MEMORY    | - 512 MB                            |
| DRIVE          | - CD/DVD                            |
| KEYBOARD       | - 104 KEYS                          |
| CLOCK-SPEED    | - 2.6 GHZ                           |
| MONITOR        | - 15" SVGA COLOR                    |

### 3) Specific Requirements:

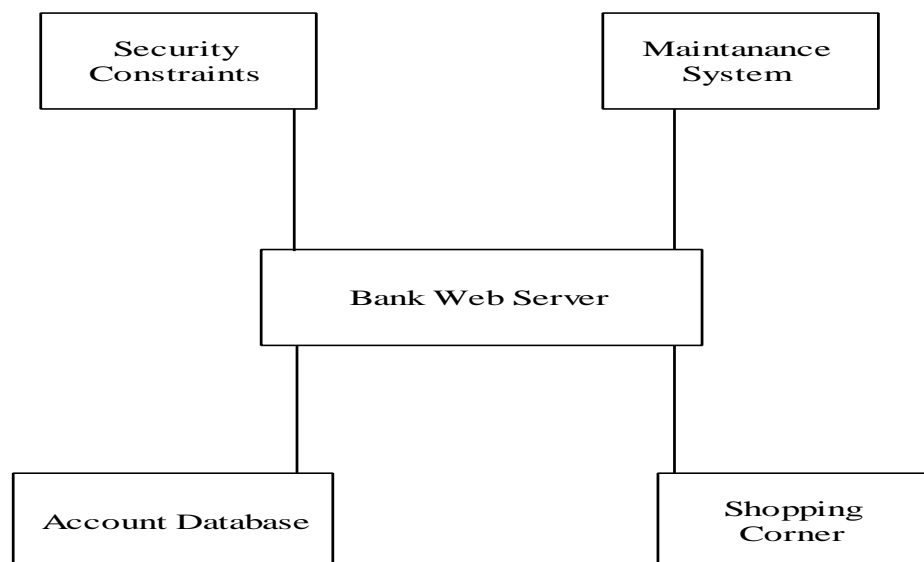
How the online banking will interact with the environment, what will be the functional and non-functional requirement. These all the steps should be defined here for providing a powerful base to the design phase. The design of the project will completely depend on the functional and non-functional requirements. So these should be defined clearly and accurately for the effectiveness.

#### 3.1 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.

##### 3.1.1) Context Diagram and extent list:



### ***3.3) 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 it could be said as a complete system.

- **Security**

The banking system must be fully accessible to only authentic user. It should require pin for entry to a new environment.

- **Reliability**

The application should be highly reliable and it should generate all the updated information in correct order.

- **Availability**

Any information about the account should be quickly available from any computer to the authorized user. The previously visited customer's data must not be cleared.

- **Maintainability**

The application should be maintainable in such a manner that if any new requirement occurs then it should be easily incorporated in an individual module.

- **Portability**

The application should be portable on any windows based system. It should not be machine specific.