Software Requirement Specification(SRS)

For

Internet banking System

BY

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**1. Introduction**

This web application must be easy to use and at the same time be sufficiently featuring rich to manage all the site content. It needs to be suitably intuitive for a committed webmaster who wishes to personalize the site.

**1.1 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. The intended audiences for this document are the development team, the team manager, the customer and all other stakeholders in the system.

**1.2 Scope**

New software needs to be built for Online Banking system. For this, a new user should easily be able to get application form, fill that form manually and submit with proof in nearest banks or online. The new user first registers themselves, by applying at the Net Banking site, then fills and submits the form to bank. Finally, the Admin grants the access after verifying the details about new users request and activates the users’ account.

**1.3 Overview**

Online Banking System project captures activities performed by different roles in real life banking which provides enhanced techniques for maintaining the required information up-to-date, which results in efficiency. New users can register through online application form which is available in our website. After registration the system, it will automatically generate a printout copy, by which they can open a new account in the bank.

**2. Overall Descriptions**

The application is to be fully-functional bank software. It will consist of a few different modules:-

**2.1 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.

# System Interfaces



**Admin**

**New User**

**User**

**Transact**

**Withdraw**

**Apply**

**Deposit**

**Register**

**ACCESS**

**Grant**

# User Interfaces

There are four different ways for a user to interact with the system:

**Viewers:** Many unknown persons or un-authenticated persons visit the Bank official site via internet. They collect the information and search what are the schemes are available in the bank web page.

**New User:** Who all visited that Bank webpage or heard about the bank those persons getting ready to start account in bank. They register the bank application form, submit and start account in the nearest bank.

**Existing User:** The Existing user is the most typical user of the Online Banking system. Each Users have their own account and registered or authorized login access. The Existing user can login in online to their account perform the operation of deposit, withdrawn, transfer, balance queries and transactions

**Administrator:** Admin is master user of the system because they are main role of the system. Admin grant and maintain the database of the existing user and grant the permissions to users. It overrules all other users.

# Hardware Interfaces

On each System and internet connections there are processes responsible for it. They perform all online functions needed for a single banking system. If the systems that hardware (server and user’s system) is able to make the banking function properly.

# Product Function

# User Characteristics

The typical bank customer will be a person, from the age of 18 and up. There will more than likely be a fairly equal distribution of males and females. The typical customer will probably use the online couple of times a week. The typical customer might not know anything about computers, so their system needs to be very simple and easy to use.

# Constraints

The information of all the users must be stored in a database that is accessible by the Online System.

The Online Banking System is connected and is running all 24 hours a day. The users access the Online 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 Dictionary System

**3. Specific Requirements**

# External Interfaces

The external interfaces of the Online Banking system are relative to the various users which contain independent access units in each, and one master control of admin. These interfaces are described below:

# User Interface

The User Interface defines the human-computer interaction of the Online Banking system. The system requires interaction from various users:

* The standard existing users or customers interact with the online interface within the banking System.
* The existing user interacts with the system to allow or authenticate for deposit, withdrawn, transfer and balance queries
* The new user interacts with the system to register and apply to the Online Banking transactions.

# Hardware Interface

The software shall interface with the electromechanical that controls the online connection systems. The software shall interface with a breaking mechanism in case of emergencies. The transactions and accesses shall be controlled by the software based on command and graphical user inputs. The hardware interface is supported by the main control panels (buttons, keyboard, mouse and communication mediums).

# Software Interface

Software interface is supported by the main control panels and operating system in which hosts the algorithms for calculating distributed travel and wait time information.

Additionally, the algorithms define and export system commands for main control panels, and communication mediums.

# Functions

The Online Banking System shall contain the following functionality organized by object:

* + 1. **.Login Capabilities**

INPUT- The username and password

OUTPUT- the personalized login page will be displayed.

PRECONDITION – the user should be a registered customer/ should register as a new user. POSTCONDITION- NA.

* + 1. **Browsing**

INPUT- Clicks on the link to which the service belongs. OUTPUT- The service of the banking web page view

PRECONDITION- The link pages should exist in the banking database. POSTCONDITION- NA.

* + 1. **Register**

INPUT - New user fill the details send the completed form OUTPUT - The form is sent to the administrator.

PRECONDITION – the user should be a registered customer/ should register as a new user. POSTCONDITION- NA.

* + 1. **Print view**

INPUT - New user download the completed form OUTPUT - the form is view and make ready to print

PRECONDITION – User download the application form from webpage

POSTCONDITION- NA.

* + 1. **Money Deposit**

INPUT - User can click the link and send to database

OUTPUT - user can view the information in page

PRECONDITION – the user should be a deposited their account.

POSTCONDITION- NA.

* + 1. **Money Transfer**

INPUT - User can click the link and send to database

OUTPUT - user can view the information in page

PRECONDITION – The user click the hyperlink in webpage.

POSTCONDITION- User views the balance amount in page.

* + 1. **Account Information**

INPUT - User can click the link and send to database

OUTPUT – User can view the information in page

PRECONDITION – the user click the hyperlink in webpage.

POSTCONDITION- User views the balance amount in page.

# Performance Requirements

The Online Banking System shall be built upon an internet connection of server. The processor must be capable of handling real-time functionality activated by the defined users and communication medium. In addition, the system must be safety-critical

# Design Constraints

**Standards Compliance:** The software shall adhere to Account Department codes and regulations, and Building codes related to public accounts safety.

**Hardware Limitations:** This software shall run only on an internet, it must be easily transferable to the field. Admin perform the operation in online either offline.

**4. Software Attributes (Non-functional)**

# Usability

The users of the system are members and the administrators who maintain the system. The members are assumed to have basic knowledge of the computers and Internet browsing

# Reliability

The system is safety critical. If it moves out of normal operation mode, the requirement to drop to the next lower floor and open its doors is given priority

* 1. **Availability**

When in normal operating conditions, request by a user for an servicer shall be handled within 1 second

* 1. **Security**

There shall be no security mechanisms in place to keep unwanted users out of the system.

* 1. **Maintainability**

There shall be design documents describing the internal works of the software.

* 1. **Portability**

There are no portability requirements.

Requirement Organization: All requirements shall be organized according to object.

**5. Dependencies**

The various numbers of users and services on the Online Banking system

* Power source
* Systems(User systems/Servers)
* Communication mediums(wired/wireless)
* Internet Connections

**6. Appendixes**



New User

Create UID

Register

Admin

Login

Existing User

Browse

Deposit

Withdraw

Purchase

Enqire

* 1. **Requirements Summary**

System analysis will be performed to determine if it is feasible to design information based on policies and plans of the organization and on user requirements and to eliminate the weaknesses of the present system.

General requirements are: -

* + 1. The new system should be cost effective.
    2. To augment management, improve productivity and services.
    3. To enhance User/System interface.
    4. To improve information qualify and usability.
    5. To upgrade system’s reliability, availability, flexibility and growth potential.