SRS FOR MOBILE MONEY TRANSFER APPLICATION

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Introduction:

1.1 Purpose:

The purpose of this document is to present a detailed description of the mobile money tranfer 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 and fastest methods for the transactions.

1.3 Definitions and Abbreviations:

Following are the definitions for the jargoned words. TERMS DEFINITION SQL Server Structure query language for the database purposes.Used to define procedures to store and retrieve data. User A lay person who needs the system to do his task efficiently and effectively. An account holder or a bank's website visitor. Database Collection of all the information monitored by this system. JSP JSP Hypertext Preprocessor, A server side scripting language, is used to connect the html with the databases. Credit Card Credit holding cards, Buy everything and pay from the credit cards. These cards are of each bank and ensure that the person has an account and balance in the specific bank of which he holds the card. Account Teller Bank staff that provides information about an account to the user who visits the bank branch physically. Computer Systems Computers, which will be used as clients to access the server database according to its right. Visitors Anyone visiting the site. Bank Features All the benefits and characteristics that bank provide. These features will be explained to the new comer visiting the website without an account. Administrator A person that will be responsible for the addition and deletion of the staff members from the general database of the system.. SRS A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. Stake Holders Any person with an interest in the project who is not a developer.

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2.4. Functionalities:

This software will have following functionalities

2.2.1. 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.

2.2.2. 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.

2.2.3. 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.

2.2.4. 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.

2.2.5. 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.

2.2.6. 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.

2.2.7. Check book Allotment:

If the customer's checks have been completed, a new check book will be allotted to him.

2.3 User Characteristics: There are various kinds of users for the product. Usually web products are visited by various users for different reasons. The users include

2.3.1. Chancellor who will be acting as the controller and he will have all the privileges of administrator.

2.3.2.All the persons who needs to perform banking.

2.4 Generals Constraints:

Some general constraints should be defined which will have a great part in the overall succession of the online banking project. 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. 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.

2.5 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:

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.

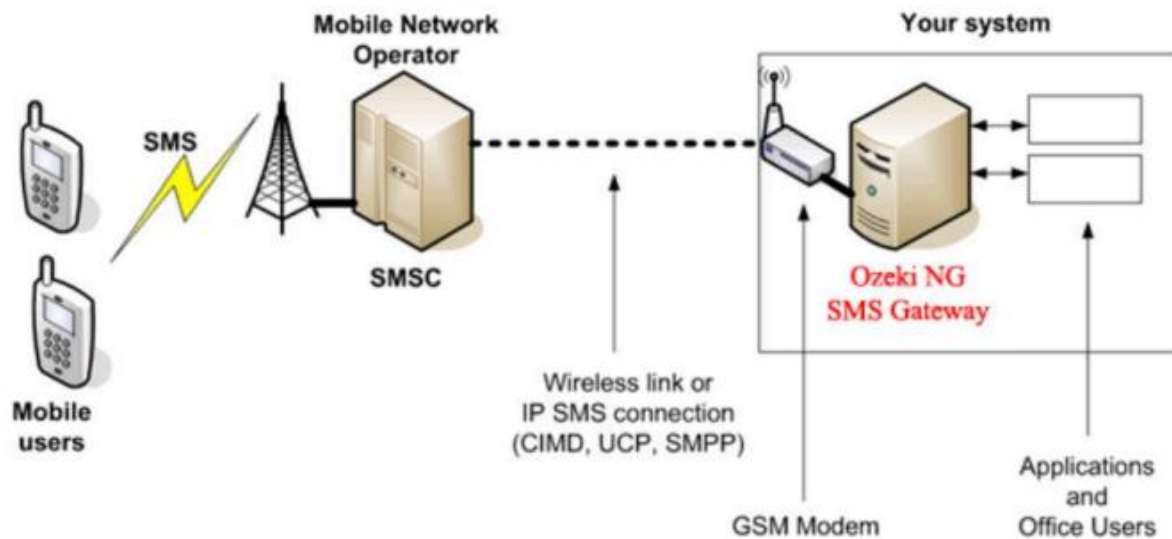f) Check book Allotment.

2.2. NON-FUNCTIONAL REQUIREMENTS

Performance, protection requirements and security requirements belong to non-functional requirements of the application. MPayment requirements for performance are related to communication between Core banking system and Terminal. These functions should last only a few seconds. The speed at which the terminal will be informed of the transaction depends on the internet terminal-server switch connection, and it is advisable that the trader provide sufficient speed internet link. Example of a security requests is that there must be no possibility that the application installed on your smartphone, which is used for user authentication, affects other functionalities of the system. Also, transactions made by the user of the mPayment account, should be standard banking transactions, so the security of the banking business is not disturbed. One of the protection requirements refers to the fact that when the user opens mPayment account activation of the account is not executed until the user performs user identification with identity

documents in the Bank. By activating mPayment accounts at the bank, the customer should receive a unique PIN number which he will use to verify executed transactions at the terminal. After obtaining the PIN number, the user will be responsible for the verification of transactions at the terminal, as the execution of transactions is carried out by sound identification and entering a PIN number. Also, the PIN code should be used for modifications of the mPayment account on the Web interface. Finally, the design of the Web application should be taken into account in order to be user friendly (easy to use and accessible to all types of users, regardless of their education, age, opportunities, and training in working with computers). The SRS should have a separate chapter relating to restrictions. Thus additional functionality is separated from the basic functionality, which makes it easier to prioritize in the realization of the project. In addition, these requirements should be presented in the same way as the main requirements. That means that there should be a description of their purpose, description of proper functionality and sequence diagram.
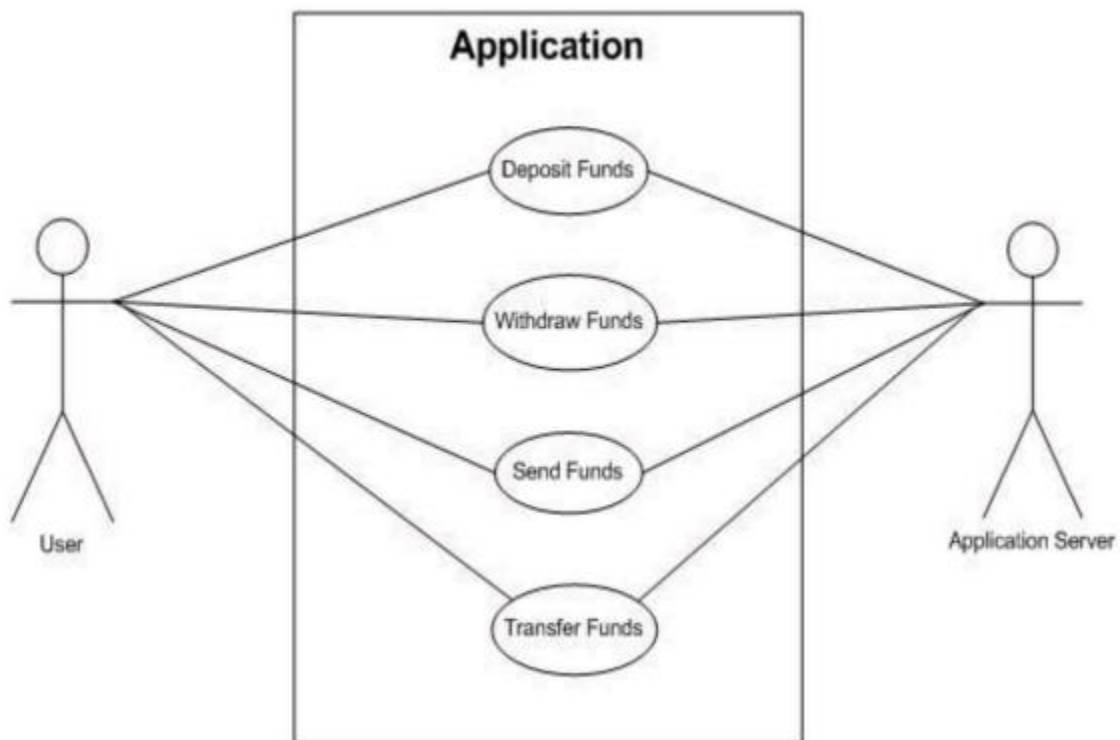
Presents restrictions in the mPayment system

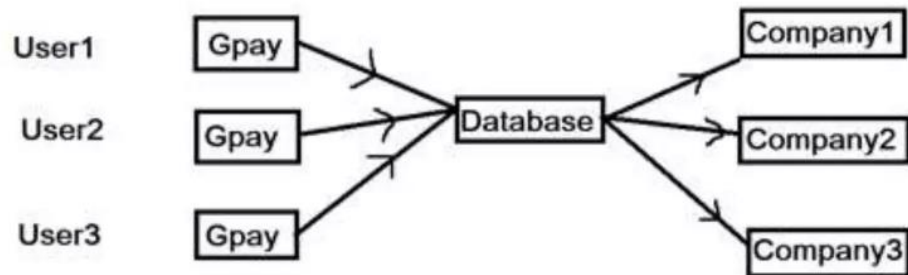| Other functionalities	Short description
SMS notification	Notifications of changes of customers accounts
Active SMS	Insight into the state of customers accounts
Regulatory limits	Copy for basic tasks
Limit	Setting a single, daily, and total amount of transactions
Enabled/locked accounts	Enabling and locking of customers accounts
Cancellation of account	Closing account on customer's request

Class Diagram

. Use Case Diagram

Sequence Diagram

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User1   Gpay   Company1

User2   Gpay   Database   Company2

User3   Gpay   Company3

Data flow Diagram

Request failed   if not recognized

Clients → Payment request → Request validation → Load Con-figuration (Bank,Mob.no) → Pay or Request money

Payment report ← UPI Pin ← Select your bank to pay

Wrong Pin/ server problem