

1. Introduction

This document gives detailed functional and non-functional requirements for the bank management system. This product will support online banking transaction. The purpose of this document is that the requirements mentioned in it should be utilized by software developer to implement the system.

1.1 Purpose

Online banking system is specifically developed for internet banking for Balance Enquiry, Funds Transfer to another account in the same bank, Request for deposition and managing account activities.

The Traditional way of maintaining details of a user in a bank was to enter the details and record them. Every time the user needs to perform some transactions, he has to go to bank and perform the necessary actions, which may not be so feasible all the time. It may be a hard hitting task for the users and the bankers too. The project gives real life understanding of Internet banking and activities performed by various roles in the supply chain. Here, we provide an automation for banking system through Internet 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. The project gives real life understanding of Internet banking and activities performed by various roles in the supply chain.

1.2 Scope

This Product will automate the banking transaction process. This Project investigates the entry threshold for providing a new transaction service channel via the real options approach, where the entry threshold is established by using an Internet banking system designed for the use of normal users (individuals), Industrialists, Entrepreneurs, Educational Institutions (Financial sections), Organizations and Academicians under transaction rate uncertainty.

1.3 Definitions, Acronyms, And Abbreviations

User: The only person in the whole system who will use the internet banking facility.

1.4 Overview

It is website which will help user to get easy access to the banking facility.

This website will act as intermediate between bank account and user.

2. General Description

2.1 Product Perspective

It will provide platform for user to maintain their bank accounts with ease

2.2 Product Function

It will updates on time, will secure all the details

2.3 User Characteristics

Candidate must have knowledge about net banking, and aware about online banking risks.

2.4 General Constraints

Good internet connection

3. Specific Requirements

3.1 Hardware Requirements

- Processor- P4 System
- RAM- 256MB
- Disk Space- 8GB
- Web Browser- Chrome Recommended

3.2 Software Configuration

- Operating System- Cross Platform (Any)
- User Interface- HTML/CSS
- Client Side Scripting- Java Scripting
- Programming Language- Java and JSP
- Development Environment- NetBeans 8.2
- Database- MySQL Server

3.3 Functional Requirements

In this section we will briefly discuss about various functional users

➤ End User

- Able to create an account
- Able to deposit money in his account
- Able to transfer amount from its account to other
- Able to recover his password if forgotten
- Able to change the details in the profile

3.4 Non-Functional Requirements

- **Performance** –this is quick, time saving and cost effective process net banking
- **Reliability**-it is 99% reliable, all major aspects have been taken for optimized use
- **Availability** – this website will be available 24*7 User can access it at any point of time
- **Security**-all details of candidates and companies will be secure, there is no chances of misusing of info
- **Maintainability**-websites will be maintained timely, all required updates will be done
- **Portability**- this is the website so you can access it anytime, anywhere with the help of internet connection

3.5Inverse Requirements: None

3.6Design Constraints

- The communication between the portal software and the database will be in SQL
- The portal layout will be produced with HTML/CSS
- The product will be written in JSP
- System administrators must have access to comprehensive documentation

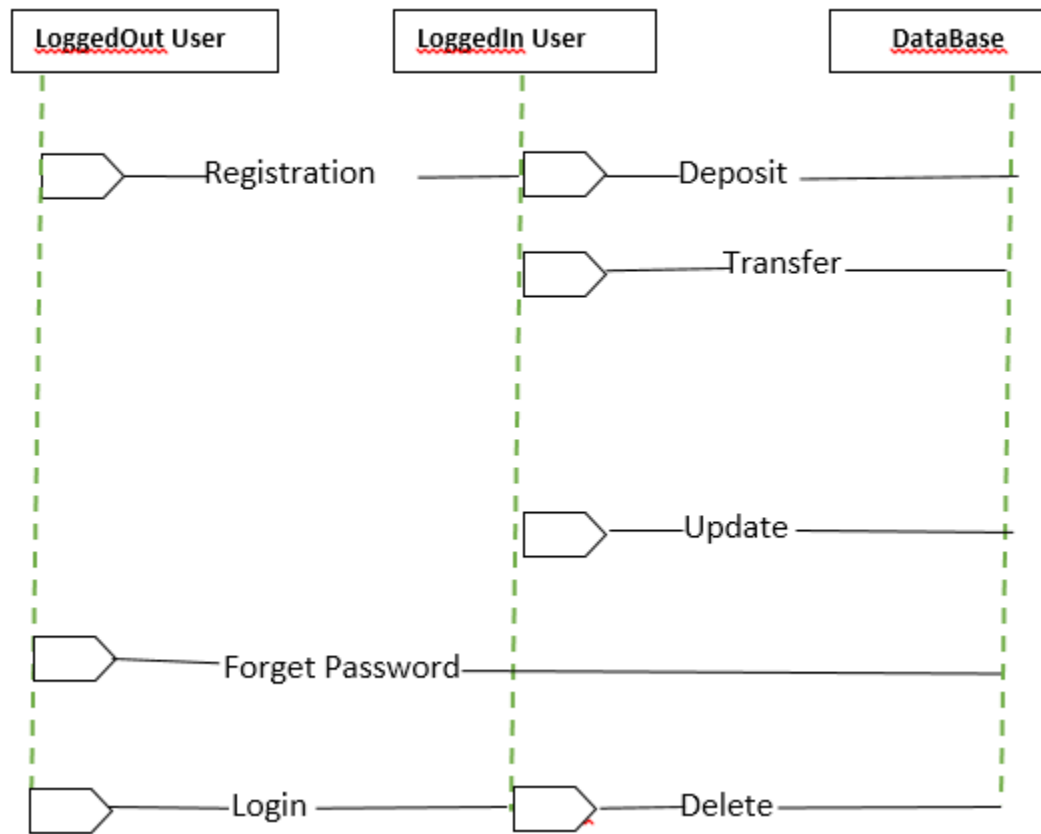
3.7Functional Database Requirements

The following information will be placed in the database:

- ID (Auto Generate),
- fname,
- lname,
- password,
- amount,
- Email,
- Address
- Phone

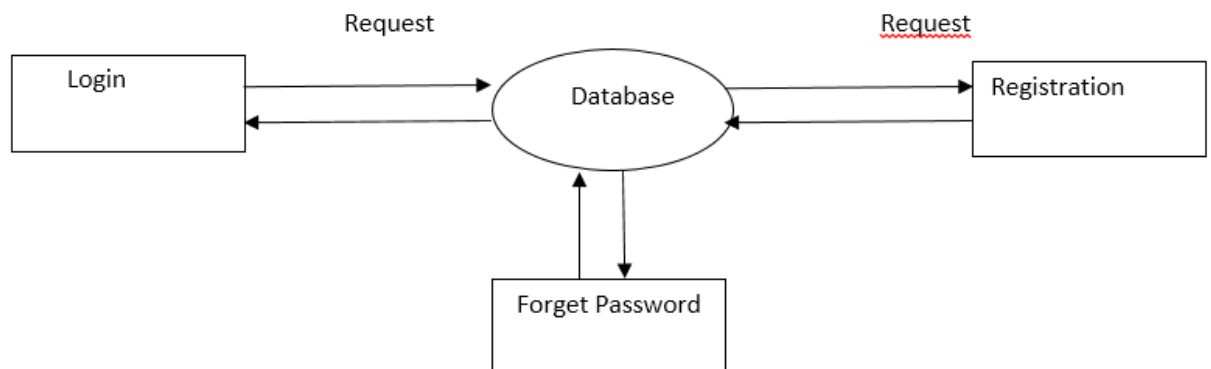
4. Analysis Model

4.1 Sequence Diagram

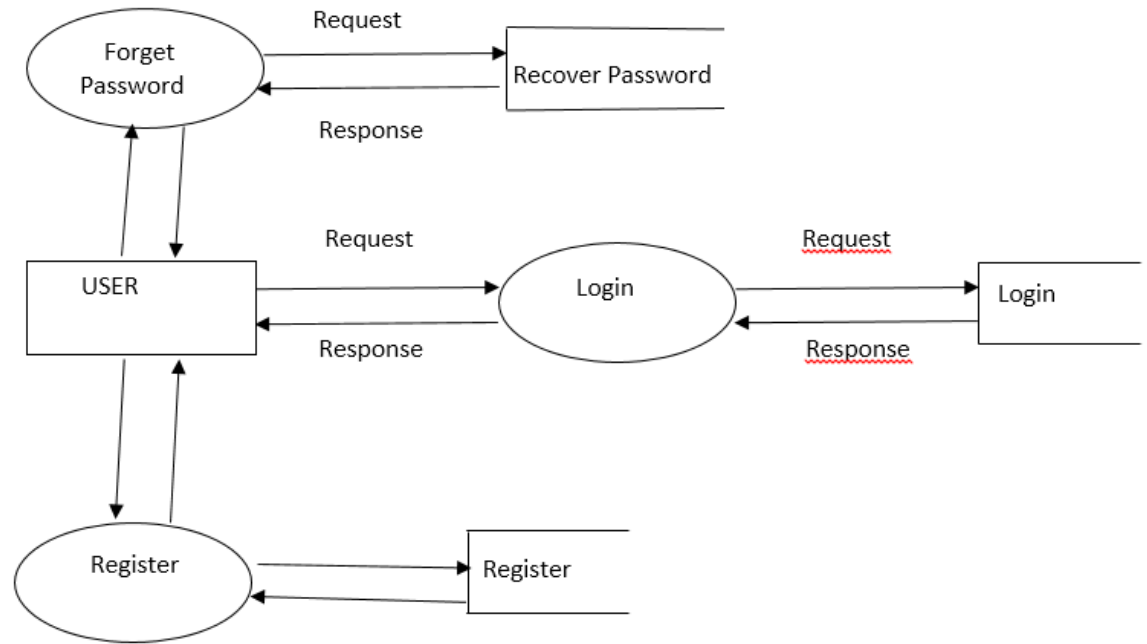


4.2 Data Flow Diagram

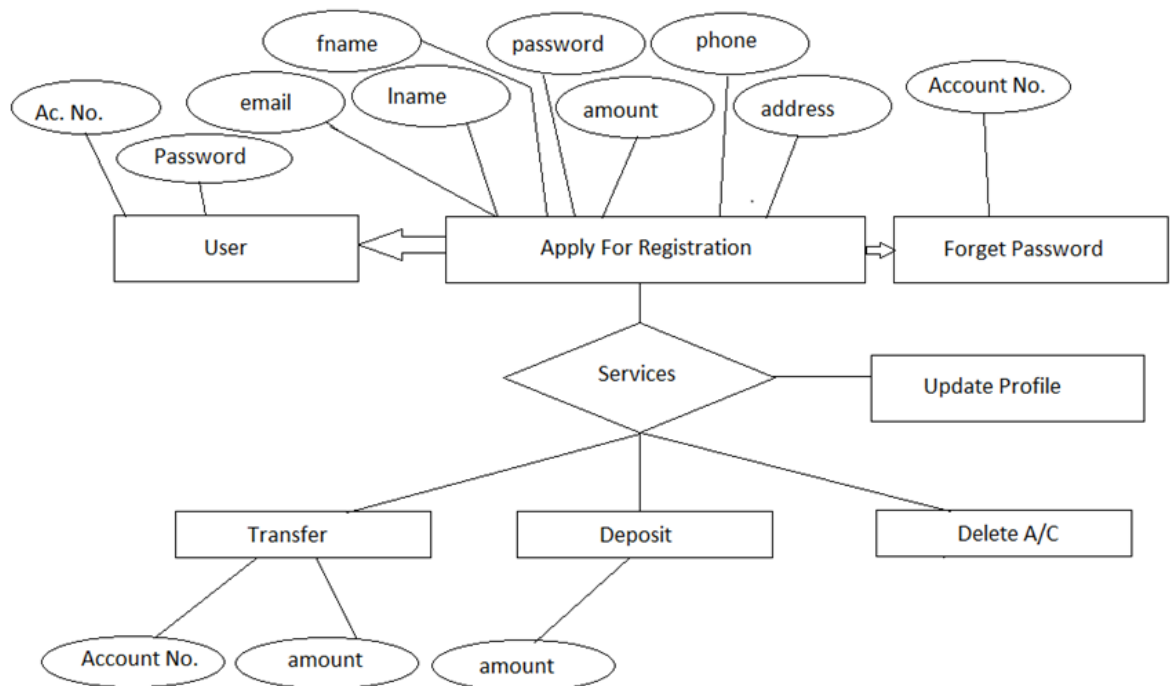
Level 0:-



Level 1:-



4.3ER Diagram



5. Implementation and User Interface

5.1 User Interface

- *Registration Screen: Various fields available on this screen will be: *First Name*Last Name*Password *Email Id *Address*Amount*Phone No*
- *Login Screen: Various Fields available on this screen are: *Account No*Password*
- *Forget Password: Field available on this screen is: *Account No*
- *Welcome: Details about the logged in user are shown on the session window and different navigation buttons are also provided
- *Transfer: Various Fields available on this screen are: *Payee Account No, Amount*
- *Deposit window: The Field available on this screen is: *Amount*
- *Profile: Details of the user are shown in the window with a button followed by editable information... When button clicked the user can manipulate their details

5.2 Use Case

Specification of use case

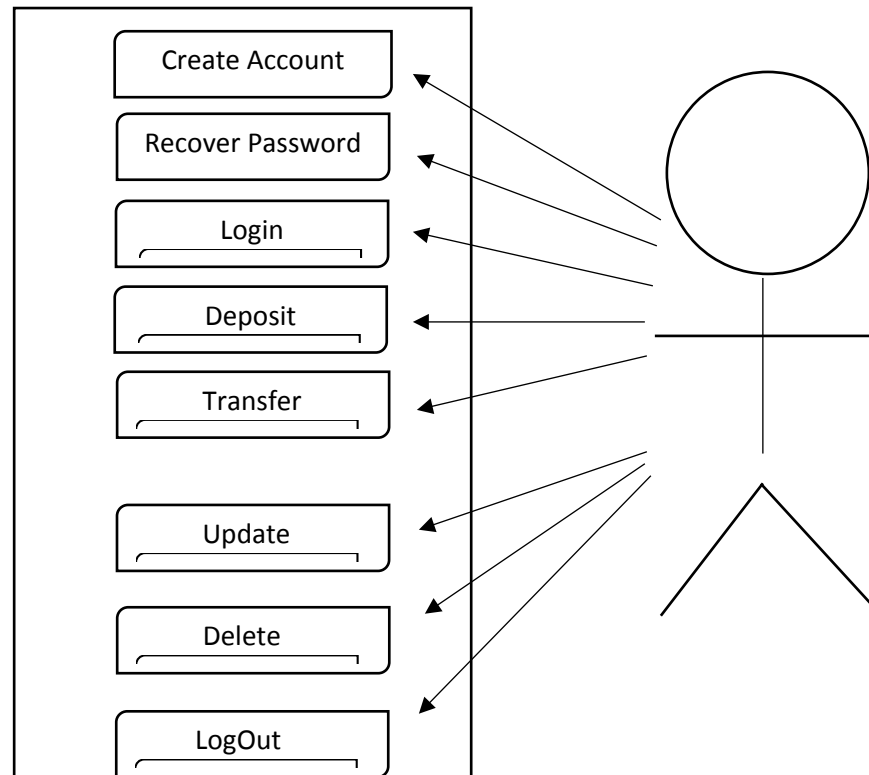
Primary actors

- End User

Preconditions

- Network access

1 User



Basic flow of events

- Registration
- Login
- Transfer
- Deposit
- Profile Editing
- Update/delete
- Logout

References: Google.com

6. Appendices