**Software Requirements Specifications**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** | **Version** | **Author** | **Date** | **Comment** | **Peer review** | **Date** | **Comment** |
|
| **Internet Banking System** | **1.0** | **Alaa Gamal** | **30-Apr-19** |  |  |  |  |

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# **Introduction**

## 1.1. Purpose

The purpose of this document is to present a detailed description of the Internet 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 unexpected event. This document is intended for the stakeholders, architects, developers and testers of the system and will be proposed to the Regional Historical Society for its approval.

## 1.2. Scope of Project

This software system will be an Internet Banking. This system will be designed to allow the client deal easily with his/her banking accounts through internet.

More specifically, this system is designed to allow a client to manage and use his/her account/s

As display his/her previous transactions, make transactions between his/her inter accounts or for external accounts .The system also contains a relational database containing a list of clients with their transactions.

# **Description of Overall System**

## Functional Requirements Specifications

### **Registration**

Form contains two web pages , first page will contain username, password, confirm password, user ID fields and mobile phone number to authorized the client by sending message to him including verification code .

And also contain radio button to determine the type of user normal client or admin.

Second page will be verification page.

**Table1: Atomic requirements of registration.**

|  |  |  |  |
| --- | --- | --- | --- |
| **SRS ID** | **Requirement** | **CR ID** | **SIQ\_ID** |
| BANK\_SYS\_SRS\_Reg\_R001 | Registration form must contain username field | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q29 |
| BANK\_SYS\_SRS\_Reg\_R002 | Registration form must contain password field | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q29 |
| BANK\_SYS\_SRS\_Reg\_R003 | Registration form must contain confirmation password field | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q29 |
| BANK\_SYS\_SRS\_Reg\_R004 | Registration form must contain mobile phone field. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q29 |
| BANK\_SYS\_SRS\_Reg\_R005 | Registration form must contain Email field. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q29 |
| BANK\_SYS\_SRS\_Reg\_R006 | Registration form must Register Button. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q29 |
| BANK\_SYS\_SRS\_Reg\_R007 | Username field must accept only characters and numbers with max length 32. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R008 | Password shall be a strong password contains numbers, characters (capital and small) and special characters. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R009 | Password field shall accept length from 8:12. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R010 | confirmation password must contain same data that in password field |  |  |
| BANK\_SYS\_SRS\_Reg\_R011 | User ID Field must not exceed 14 digit. It must accept only digits. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R012 | User ID Field must accept only digits. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R013 | Mobile phone field must accept only digits | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R014 | Email field must accept only valid email | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R015 | After the user click on Register button, the user will be redirect to the verification page. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q15 |
| BANK\_SYS\_SRS\_Reg\_R016 | Verification page must contain text field with title verification code has 3 cells. | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q17 |
| BANK\_SYS\_SRS\_Reg\_R017 | Each cell of verification code shall accept 2 numbers only | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q17 |
| BANK\_SYS\_SRS\_Reg\_R018 | Verification page must contain confirm button | Bank\_Sys\_CR\_001 | BANK\_SYS\_SIQ\_Q17 |
| BANK\_SYS\_SRS\_Reg\_R019 | After clicking on confirmation button and with valid data the user will be redirect to home page | Bank\_Sys\_CR\_001 |  |
| BANK\_SYS\_SRS\_Reg\_R020 | In case of Admin: will be input field of staff ID. | Bank\_Sys\_CR\_001 |  |
| BANK\_SYS\_SRS\_Reg\_R021 | Constrains of staff ID field must not exceed 6 digits. | Bank\_Sys\_CR\_001 |  |

### **Login Form**

Form contains username, password and user ID fields and Login button.

|  |  |  |  |
| --- | --- | --- | --- |
| **SRS ID** | **Requirement** | **CR ID** | **SIQ\_ID** |
| BANK\_SYS\_SRS\_Log\_R001 | Login form must contain username field | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q9 |
| BANK\_SYS\_SRS\_Log\_R002 | Login form must contain password field | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q9 |
| BANK\_SYS\_SRS\_Log\_R003 | Login form must contain ID field | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q9 |
| BANK\_SYS\_SRS\_Log\_R004 | Login form must contain Login button | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q9 |
| BANK\_SYS\_SRS\_Log\_R005 | username field accept only characters  and numbers | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q16 |
| BANK\_SYS\_SRS\_Log\_R006 | User name field must not exceeds max length of 32. | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q16 |
| BANK\_SYS\_SRS\_Log\_R007 | ID field accepts only numbers. | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q16 |
| BANK\_SYS\_SRS\_Log\_R008 | Password field shall accept any input to make secure login | Bank\_Sys\_CR\_002 | BANK\_SYS\_SIQ\_Q17 |
| BANK\_SYS\_SRS\_Log\_R009 | when the user click on the login button with valid data , the user will be redirect to home page | Bank\_Sys\_CR\_002 |  |

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## Nonfunctional Requirements Specifications