**Topic:**

Project Proposal

**Project:** Online Banking Management System

**Course:** Software Construction & Development

**Group Members:**

1. Mohammad Ahmad Malik
   * (Reg: F21-BSSE-120)
2. Adnan Nasir Sheikh
   * (Reg: F21-BSSE-131)

**Bank Name:**

as-Sadiq al-Amin Bank

**Objectives:**

The main objective is to create a web-based only system. which will help to maintain the bank account records, Maintain the transaction records of the customers. Easy to track all the banking activity a centralized system to maintain all the bank activity. The system has also a currency converter module ([[1]](#footnote-1)).

**Non-Functional Requirements:**

1. Security
2. Usability
3. Availability
4. Localization
5. Reliability ([[2]](#footnote-2))
6. Modifiability

**Functional Requirements:**

1. Customers can view their account details such as type of account, available balance, interest rate on available loans, credit/debit statements, etc. from any remote location.
2. Customers can check their transaction history which includes necessary information like transaction time, type, and amount.
3. Customer can view and download transaction history & reports in .XLS or .PDF format.
4. It will display the amount of deposited cash or withdrawn cash along with the date of deposition/withdrawal.

**Actors:**

* Admin (Bank)
* User (Customer)

**Admin:**

Following activity performs by admin or bank user.

* The bank can ADD/EDIT/UPDATE new customers.
* Admin can ADD/EDIT/UPDATE Bank.
* The bank can ADD/EDIT/UPDATE transactions as per the customer request.
* When a new user will be added under any bank. A unique account number will generate automatically for the customer that the user will use this during the transactions.

**User:**

User can perform following crud operation.

* Users can register and login in to the application.
* User can deposit money as a request and the amount is updated by the admin on approval.
* Users can send money to another user.
* The user can update his profile.
* Users can check the transaction history as well.

**User Interface Priorities**

* Professional look and feel
* Use of AJAX at least with all registration forms and with every search option and at the id of each searched result with mouseover event.

**Technology Used:**

**Front-End:** Js, Html, CSS, JS.

**Server-side:** JavaServlet.

**Back-end:** MYSQL.

**Server:** Tomcat.

**Software Requirements:**

FRONT END: HTML, JAVA SCRIPT

DATABASE: SQL

Operating System: Windows XP & later versions.

1. Currency converter module to change their currency (i.e., from PKR to USD, AED, etc.) [↑](#footnote-ref-1)
2. Browser testing and support for IE, NN, Mozilla, and Firefox [↑](#footnote-ref-2)