**Banking System Project Report**

**Project Overview**

The Banking System project is designed to provide a comprehensive platform for users to manage their banking needs efficiently and securely. The system encompasses essential banking functionalities, allowing users to perform various operations such as account management, transactions, and maintaining transaction history. This report outlines the key features and functionalities of the banking system, along with a brief description of each.

**Functionalities**

**1. Signup/Signin**

* **Description**: The system allows new users to create an account (Signup) by providing necessary personal information such as name, email, and password. Existing users can access their accounts (Signin) using their registered credentials.
* **Features**:
  + User registration with validation checks.
  + Secure login mechanism with username and password.

**2. Deposit**

* **Description**: Users can deposit money into their accounts through various methods, such as bank transfers or cash deposits.
* **Features**:
  + Input for deposit amount.
  + Confirmation of successful deposit.
  + Update of account balance in real-time.

**3. Withdraw**

* **Description**: Users can withdraw funds from their accounts, subject to available balance and withdrawal limits.
* **Features**:
  + Input for withdrawal amount.
  + Validation to ensure sufficient balance.
  + Confirmation of successful withdrawal and updated account balance.

**4. Transfer Money**

* **Description**: The system enables users to transfer money to other accounts within the same bank or to external accounts.
* **Features**:
  + Input for recipient account details and transfer amount.
  + Validation checks for account existence and sufficient balance.
  + Transaction confirmation and notification to both sender and recipient.

**5. Delete Account**

* **Description**: Users have the option to delete their accounts permanently from the system.
* **Features**:
  + Confirmation prompt to prevent accidental deletions.
  + Secure removal of user data from the database.
  + Notification of successful account deletion.

**6. Update Account Info**

* **Description**: Users can update their personal information, such as contact details and address, to keep their account information current.
* **Features**:
  + Input fields for updating various account details.
  + Validation to ensure data integrity.
  + Confirmation of successful updates.

**7. Transaction History**

* **Description**: Users can view their transaction history, which includes deposits, withdrawals, transfers, and any other relevant activities.
* **Features**:
  + Display of a detailed list of transactions with timestamps.