

Application Requirements

General system requirements:

- User Interface should be secure and accessed with user and password.
- The user and password of the client (pre-generated) are kept in database and are accessed by the app.
- The data presented in the interface should be easy to understand and accessible to the user.
- The user will be able to see account details, change personal information and password, perform transaction to other accounts and special services and view his transaction history, all accessible from the main body of the application.
- The accounts should be of different types depending on the currency.
- The user can download a copy of the transaction history as PDF.
- The system should contain at least the following modules : a module that extracts the data from the database, a module that writes the data to the database and a module that facilitates the transactions.

Database requirements:

- Management of data for clients, accounts and the bank.
- The database should allow:
 - Data recovery at a specified time.
 - Support of offline backup.
 - Administration of data.
 - Users to access information concurrently.
 - Definitions of diferite types of users with different access rights.
 - Monitoring all types of queries and implementing complex data structures.
- Should have a 'log' for the activities performed.

Stand-alone application requirements:

- It should facilitate the login of the users, access information about the account and manage transactions.
- The Login screen is a graphical interface containing two box fields for the user and password, 'login' button and a 'forgot password' button.
- The password box field is case sensitive and conceals the password.
- Pressing the login button queries the database.
- If they are correct it leads to the account page else an error message appears declaring either one or both of the fields maybe incorrect .

- The Login screen is in the middle of the window.
- The Account Page is the main body of the application:
 - It greets the user with a welcome message and notifications about the account.
 - It contains a menu on the left allowing access to the different sections.
 - In the middle there are some basic informations about the bank accounts the user has access to.
 - On the top there are tabs that switch from the overview of all accounts to specific accounts (saving accounts, loans etc.)

The web server requirements:

- Facilitates the contact between the stand-alone application and the database.