

iPhone Application Programming – Project Proposal

Saeid Rezaei (reza2010)

Project Title

Bank application

Description

The project “bank app” is idea to implement a light version of mobile banking similar to Canadian big banks like RBC / TD , BMO, etc. In this app, user would be able to create / register a new user and then login with the credential, also user is able to open new account and manage the existing accounts. User should be able to create new Payee and pay the bill or transfer funds between abbouts.

Due to security matter, This app will not have any connection to external organization or institution (and their API) – however I will call exchange API only to get the current exchange rate. User also can upload picture for the profile.

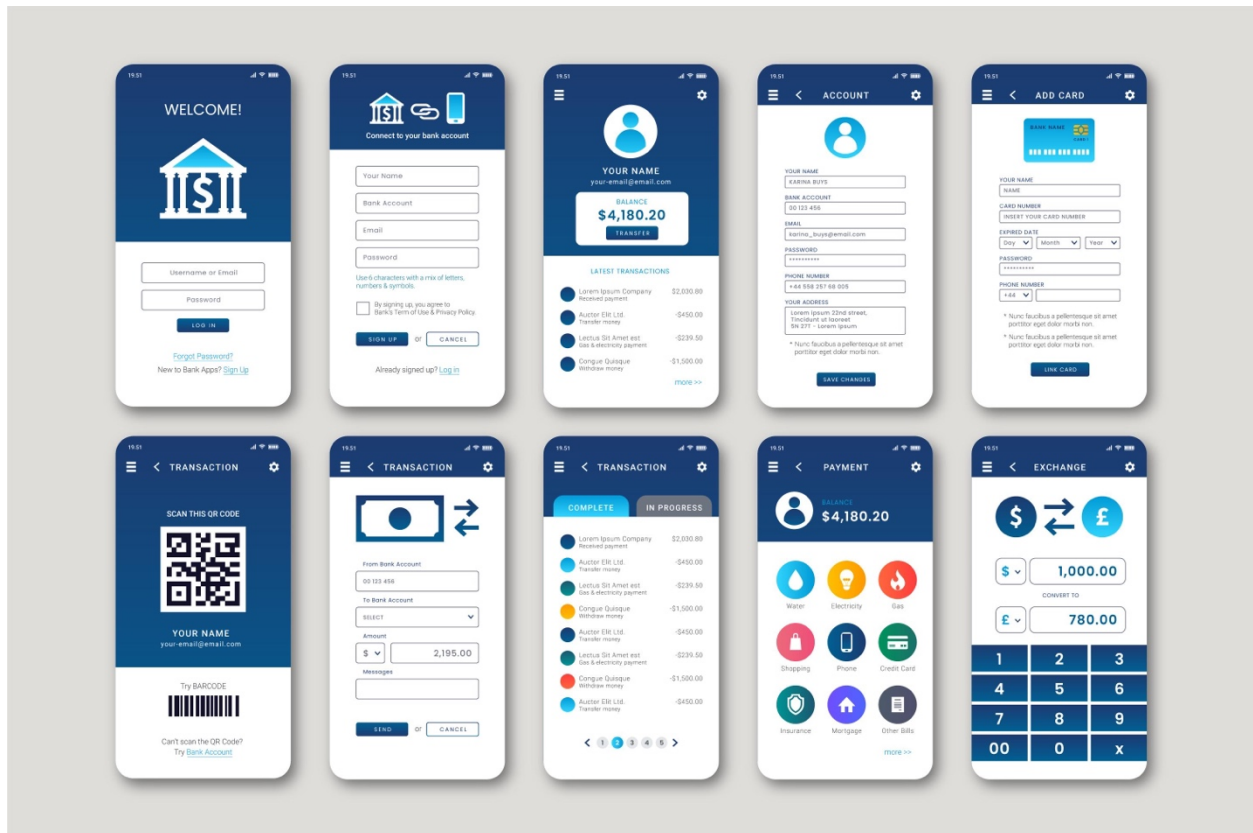
Design & Implementation

This project needs several view (manly tab view) to manage the functionality that I have listed below

My mobile app, will be named **ATLAS Bank**, and would have below story board (Screens):

1. **Login screen:** This is the 1st page that shows after app launch – same as typical login page its askes for username (card #) and password, if this is the first time, then client must register
2. **Register Screen:** In this screen user should be able to provide personal information such as name, last name, address, phone number to create profile and register – there will be verification on email address and postal code format (AnA nAn)
3. **Home screen:** This is the home screen that shows most of information that client is looking into such as list of accounts, loans, balance, and link to create new account
4. **New account:** In this screen user / client should be able to create account such as checking / saving, with two currency such as USD, CAD.
5. **Manage Payee:** In this screen user must be able to declare new Payee company like billing company, Gov agency etc.
6. **Pay bill:** in this screen user should be able to pay the bill by selecting the payees
7. **Transfer funds:** In this screen user must be able to select two accounts (if exist) , FROM / TO and transfer funds, if currency is not same exchange rate will be applied (by calling API) –
8. **Transaction screen:** In this screen client must be able to look into All transaction for selected account and filter by month. (This page maybe gets embedded to home page)

Sample of Home view would be (I may drop / add new view in my final design):



In order to store and manage data, I'm planning to use free database such as SQL Light , or any other DB available to iOS for free, Or I may user JSON file and User Defined to store / restore data.

Schedule:

1. March 6th – Submit the final project proposal
March 8th to March 14th – Search new algorithms/features and finalize the design and

implementation

March 15th to March 28th – Design the structures for each class in detail

March 29th to March 31st – Create three View pages

Apr 1st to Apr 3rdth – Connect each page and implement the data persistence/delegate

methods

Apr 4rd^t to April 25th – Check the final version of the project

April 26nd – Submit the final code April 26rd – Presentation

Reference:

https://www.freepik.com/free-vector/banking-app-interface_9158980.htm#query=mobile%20banking%20app&position=1&from_view=keyword&track=ais