

REQUIREMENT ANALYSIS REPORT

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PROJECT DESCRIPTION

The project is based on the banking industry where the web application has been developed for the different customer interactions on the application and the online transaction of the money of the customer. The online banking system has been developed with the help of the programming language called “Java”, and the software platform known as “Android Studio” respectively. The application has been developed for the financial industry, where any banking organization can use this application for the daily maintenance of customer interaction, customer account maintenance, and other online surveillance and the service can be provided to the client online with the help of the application that is developed solely for the financial organization.

The name of the application that has been developed is "banking application"; this application has been developed for banking organizations where new customers can create new accounts with the help of the application. On the other hand, there are different functionalities of the application. The different transactions of money and the application of the debit card also can be done where the different procedures can be followed by the customer of the bank. Account verification where the balance checking of the account can be done with the help of this application. For this reason the name of this application has been given to a banking application (Septiawan *et al.* 2021).

The primary aim of the project

The main aim of this project is to develop a banking application to provide multiple solutions for any type of banking organization. There are a few other objectives of this project where there are different classifications provided for the main aim. The objectives are mentioned in the below section.

- To develop a banking application that can help in the financial organization.
- To design the different useful features inside of the application that can be used by the customers.
- To utilize the different application development skills through this project.
- To execute the different areas of this project so that a detailed understanding of this application can be developed.

SHOWCASING THE RESPECTIVE PAGES

The Home Page

This section involves the identification of the actors of Thai banking applications. This application has different actors who will demonstrate the roles of this user inside of this application. There are different involvement of the database and the different other software in this application. The user should be properly identified as who will be involved in the application. It can be said that there will be three users of the application who will be connected with the application directly. The customer, admin, and staff are the three different users of his application. The staff can check the application for account creation with the specific user ID and password. On the other hand, the staff can approve the different applications for the debit card and the other details can be verified by the staff only with the help of the staff login (Salimov and D, 2022).

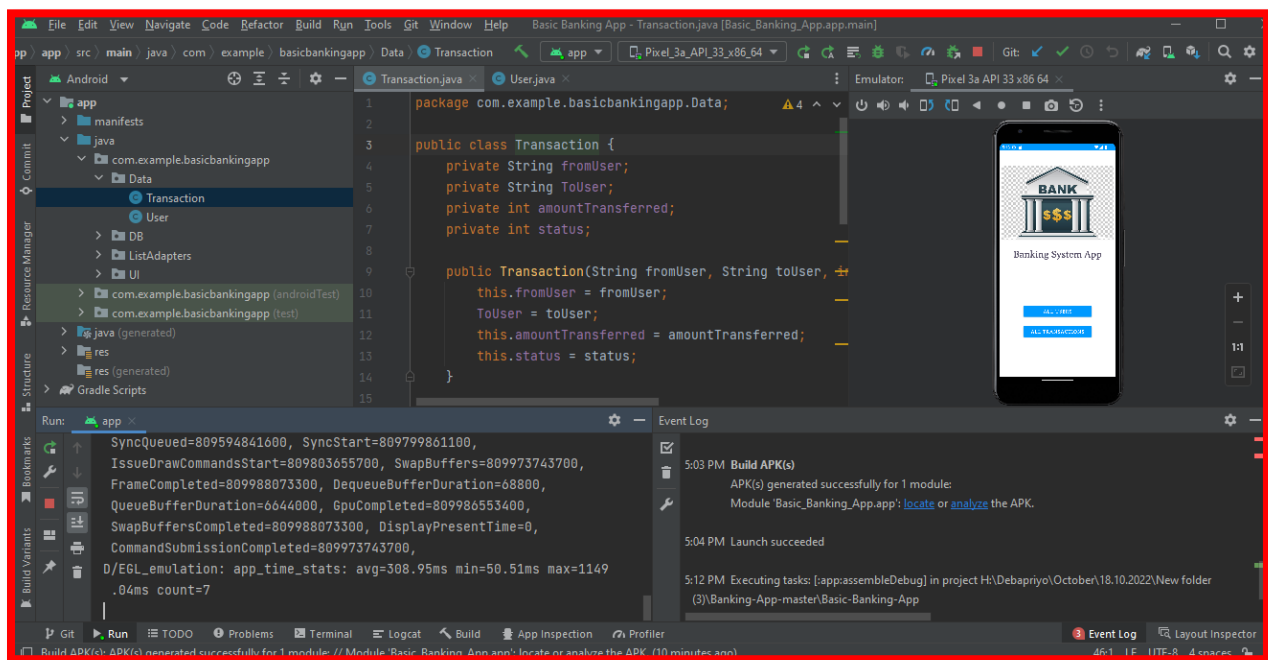


Figure 1: Home Page

(Source: Acquired from Android Studio)

Here, in the above image, the “Home Page” has been properly displayed after getting created by way of the pertinent software queries. In this page, there exist two individual options in respect of the banking operations. These two options mention all of the users along with the corresponding transactions for that matter. By clicking on either of these options, a separate page would direct

the user to its corresponding destination in this regard (Rithvik *et al.* 2021).The objective for any home page is to render a concise background to all of its respective users, which has been achieved in this case.

The Page to display all the users

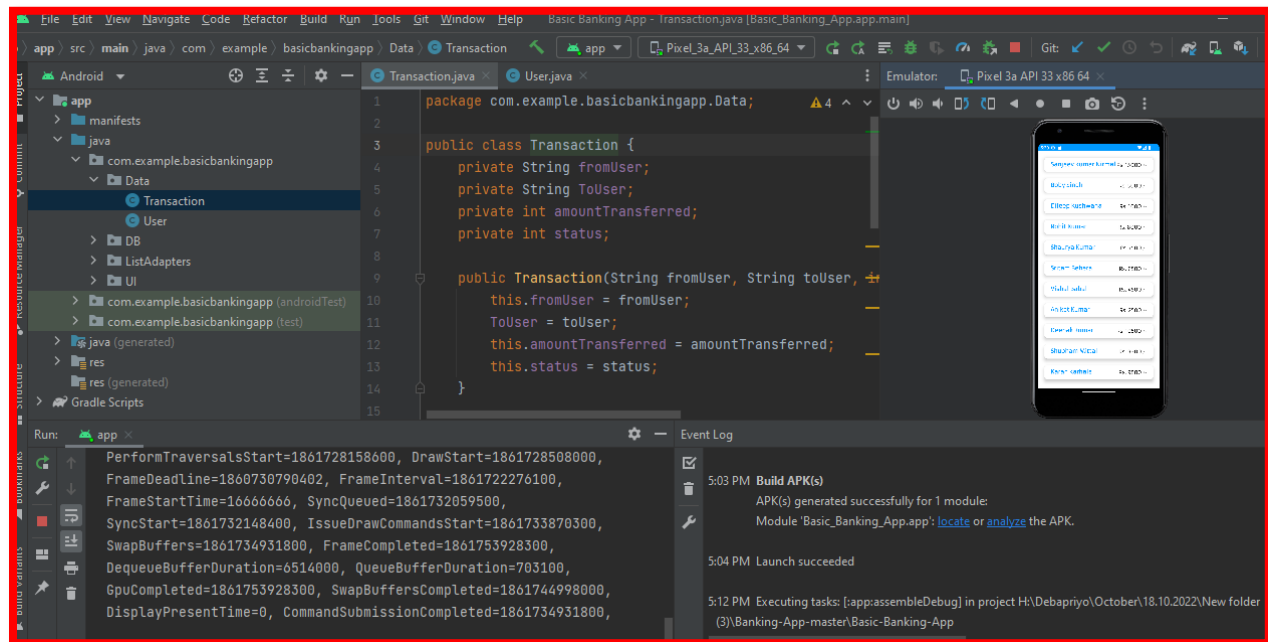


Figure 2: Page describing all the users

(Source: Collected from Android Studio)

The image attached in the section-above essentially gives a considerable amount of detail regarding all the users who are using this specific application for their respective operations with the bank (Parulian and M, 2022). It can very well be understood that by clicking on the corresponding option related to the earlier page, this list in the above has got displayed for that matter. From this list, the corresponding details of all these users can also be obtained in this regard.

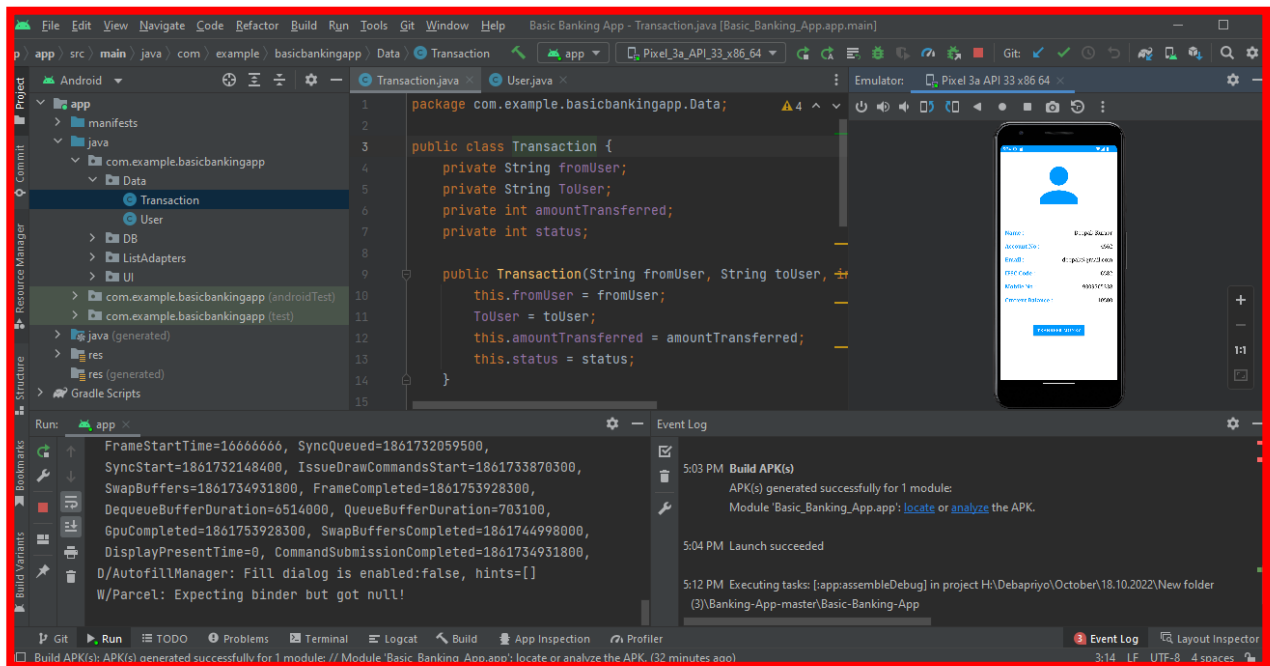
Roles

The users of this application have been disclosed, but in this section, the user of this application will be discussed with more depth where the different types of users and their corresponding roles in this application have been discussed briefly in this model. Three different users are connected to this application admin dept., which will have the entire access to the application, and the staff

who will use the credentials to approve the pending application and the different other technical; support can be given by the staff to the customers. The customer can fill out different forms to create an account with the bank, or to apply for a debit card and different account-related actions can be performed by the customers (Marpaunget *al.* 2021).

The Page to show the details of the users

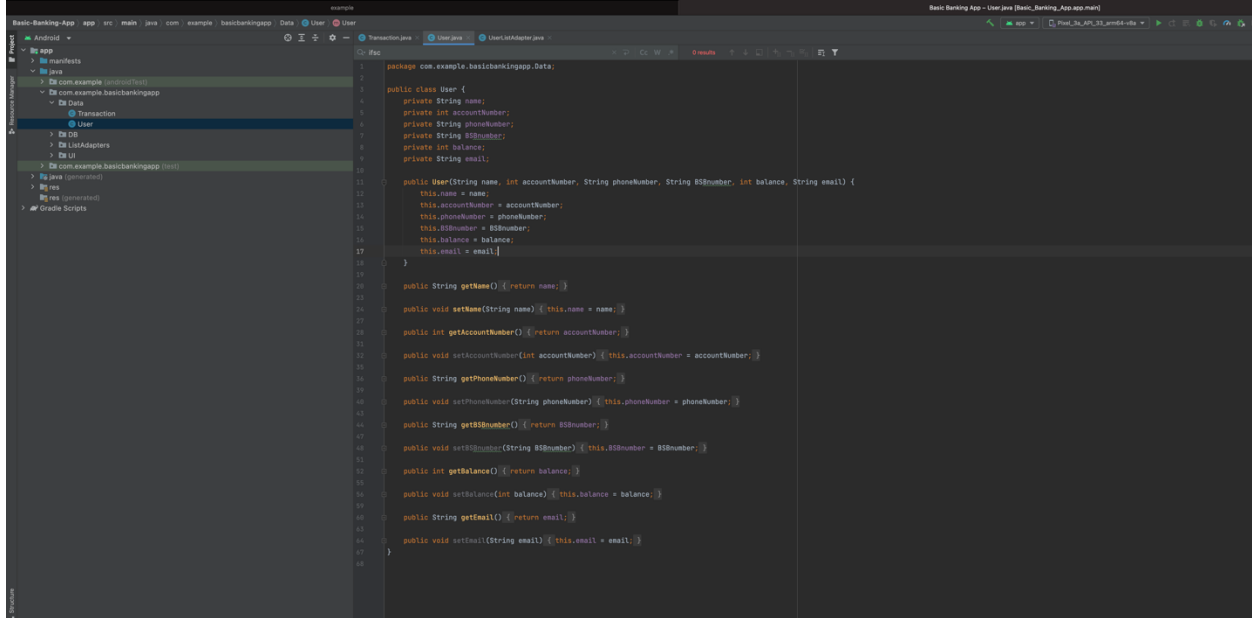
Figure 3: Displaying the customer details



(Source: Obtained from Android Studio)

In this picture, the page that comes afterwards in relation to the earlier pages has been shown (Ghelani *et al.* 2022). This page is showing several details with respect to one specific customer in this regard. Here, one can see that the basic details such as the name of the account holder, the email address, the account number, the BSB number, and the account balance have been provided for that matter. It is necessary in case of any bank to take note of all these pieces of information to validate the authenticity of any account holder's integrity towards that institution.

Page to display the performed Transactions



```
1 package com.example.basicbankingapp.Data;
2
3 public class User {
4     private String name;
5     private int accountNumber;
6     private String phoneNumber;
7     private String BSInumber;
8     private int balance;
9     private String email;
10
11     public User(String name, int accountNumber, String phoneNumber, String BSInumber, int balance, String email) {
12         this.name = name;
13         this.accountNumber = accountNumber;
14         this.phoneNumber = phoneNumber;
15         this.BSInumber = BSInumber;
16         this.balance = balance;
17         this.email = email;
18     }
19
20     public String getName() {return name;}
21
22     public void setName(String name) {this.name = name;}
23
24     public int getAccountNumber() {return accountNumber;}
25
26     public void setAccountNumber(int accountNumber) {this.accountNumber = accountNumber;}
27
28     public String getPhoneNumber() {return phoneNumber;}
29
30     public void setPhoneNumber(String phoneNumber) {this.phoneNumber = phoneNumber;}
31
32     public String getBSInumber() {return BSInumber;}
33
34     public void setBSInumber(String BSInumber) {this.BSInumber = BSInumber;}
35
36     public int getBalance() {return balance;}
37
38     public void setBalance(int balance) {this.balance = balance;}
39
40     public String getEmail() {return email;}
41
42     public void setEmail(String email) {this.email = email;}
43
44 }
```

Figure 4: Page showcasing the Transactions

(Source: Retrieved from Android Studio)

The picture which has been attached in the section above mentions the page that comes next in the line, dealing with the matter of users' transactions (Febriani *et al.* 2021). By clicking on the respective button, all the facilitated transactions get showcased in this regard, including all the respective details for that matter. Here, as not a single transaction has taken place with respect to the corresponding user, the message in the above picture displays that fact.

SIMPLE WIREFRAMING OF THE ACTIVITIES

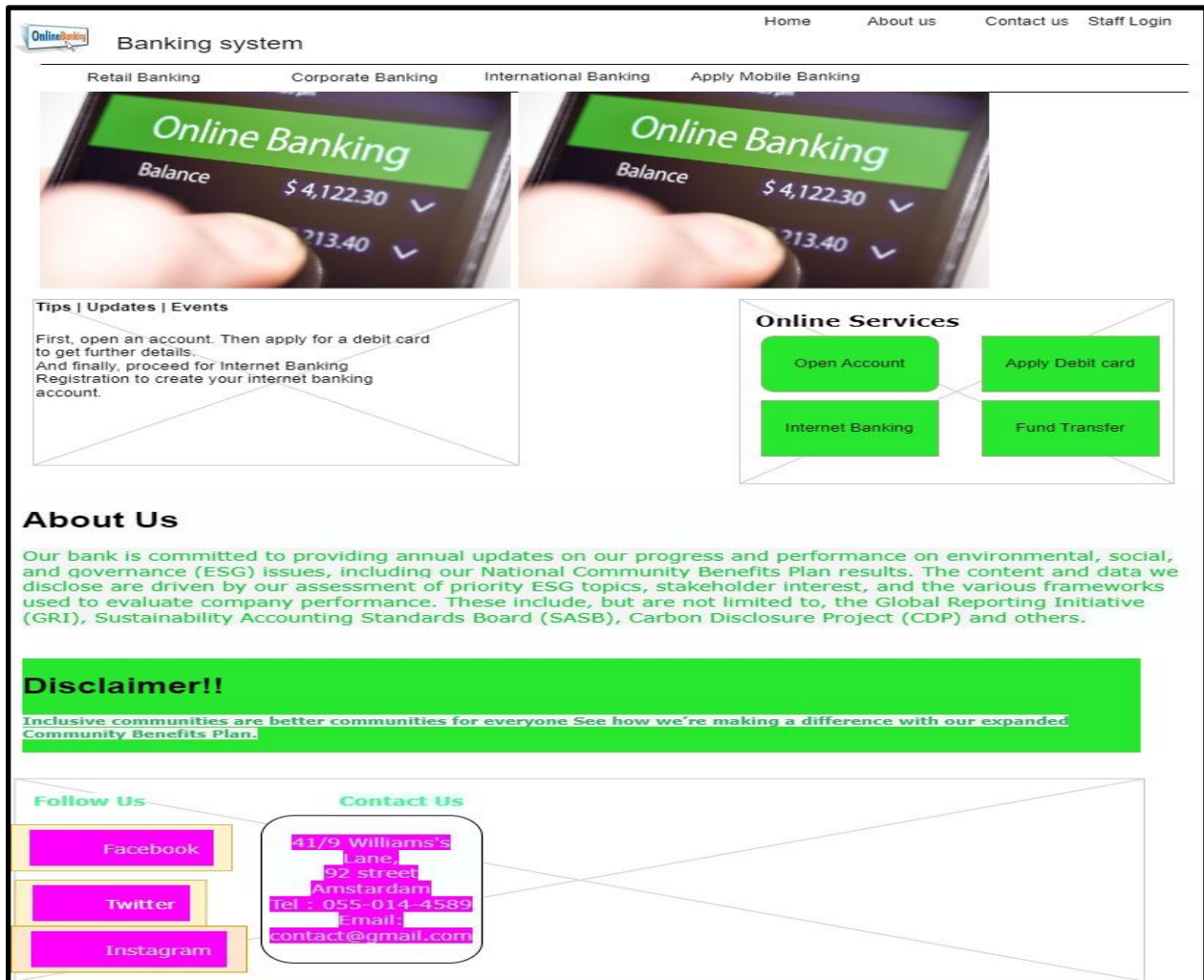


Figure 6: Wireframe framework

(Source: Collected from the Draw.io)

The mentioned figure states that the wireframe diagram has been created for the application that is developed with the help of the different blocks and the simple art. The activities of the application have been successfully demonstrated with the help of the diagram that can be seen in the emanation figure. It can be seen in the mentioned figure that the about us section is seen where more information about the organization is provided in this section. There are four different activities seen in the mentioned figure where the four buttons represent the different activities. The buttons are

- Open account
- Internet banking

- Apply debit card
- Fund transfer.

When the customer clicks on the open account button then activity 2 will open where a specific form will be filled up by the customer, the image of the form is attached earlier. The staff of the organization will accept and approve the application that is under activity 3. The customer will be able to apply for a debit card which is under activity 4 (Bhambri and V, 2021).

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