



Project : Al-rajhi

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Chapter1

Feasibility study & project proposal

1.1 Introduction:

Banks are considered as a vitally important service in our everyday life. They help us access our funds through personal services and self-service medium such as online banking apps.

1.2 Problems:

As banks sometimes may not provide a sufficient number of branches in each city, online banking services play an essential role in bridging the gap between the customer and the bank.

1.3 Background:

Al-Rajhi bank is one of the world's largest islamic banks with total assets of 741 billions SR, and it has a large network of over 557 branches and more than 4,750 ATM machines across Saudi Arabia.

1.4 Proposed solutions:

Al-Rajhi app enables customers to have a customized personal banking experience and to manage all their banking operations at anytime from anywhere remotely. Additionally, it provides customers with credit cards that help them to pay for any kind of services saving them the effort to withdraw money from ATM machines.

1.5 work plan:

One of the major issues that persists is the lack of Al-Rajhi, which could be solved by establishing an application that enables customers to use the bank services

Chapter 2

Project

Requirements

2.1 Functional requirement:

System requirements:

- 1- The system must allow the user to log in using password and phone number or ID
- 2- the system must provide an icon “forgot password” in case the user forgot their password.
- 3- the system must provide an option “remember me” to save user’s login information
- 4- the system shall allow the user to open a new account for the customers who don’t have an account
- 5- the system shall allow the user to register digital channels for the customers who opened an account through the branch
- 6- the system shall send a verification code to authenticate the user
- 7- the system shall send messages of debit and credit operations
- 8- the system must provide quick access option by using a MPIN chosen by customers
- 9- the system must make a call to the customer’s phone number to allow them to add beneficiaries by pressing a specific number
- 10- the system must allow the user to view history of transactions

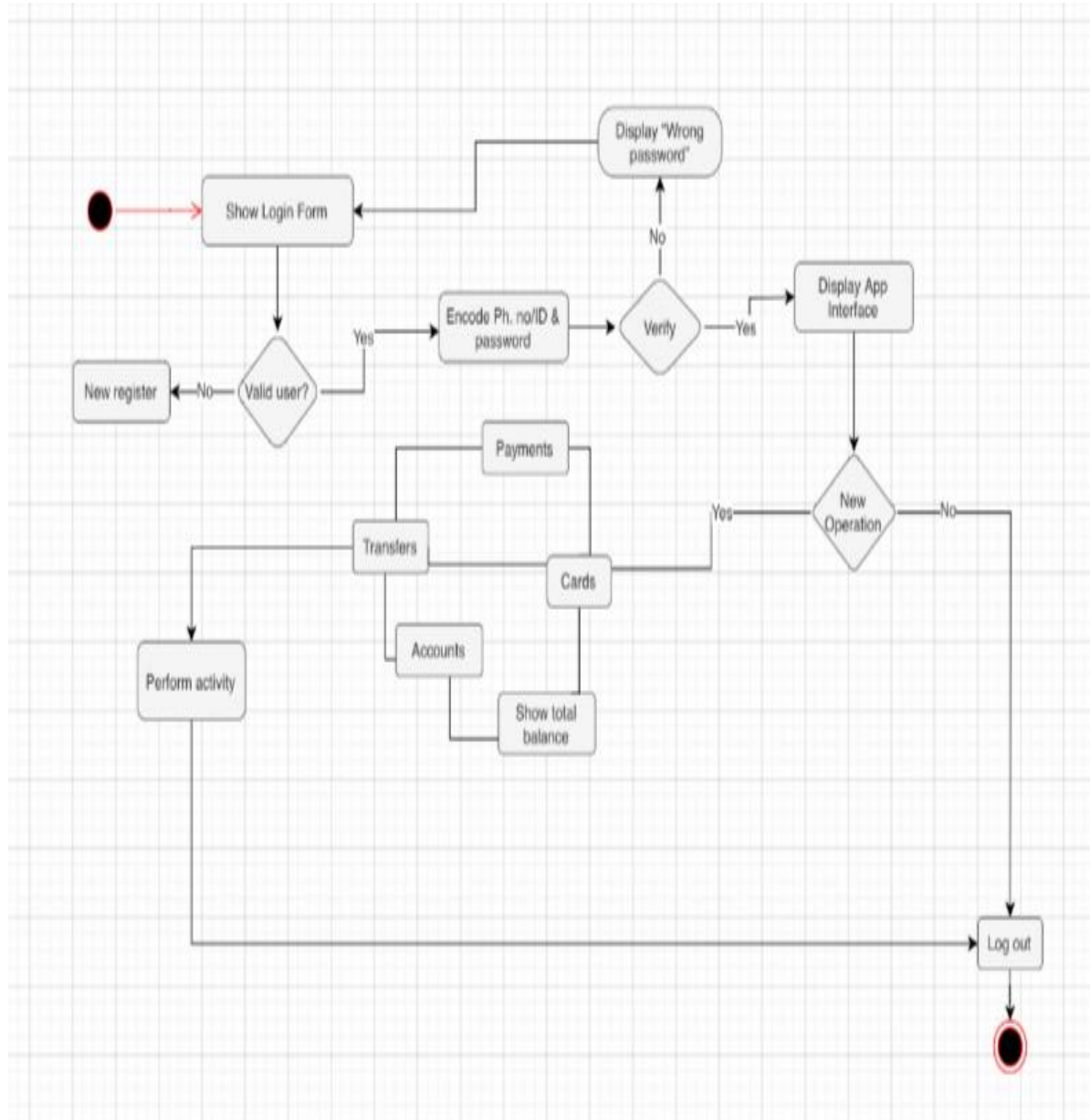
2 . 2 Non-functional requirements:

- 1- The system must automatically log the customer out of their account when it's inactive after 5 minutes
- 2- the system must send the verification code within 1 minute
- 3- customers shall be prompted to provide ATM card number and the username to create new password
- 4- Each page must load within 2 seconds

Chapter3

Activity diagram

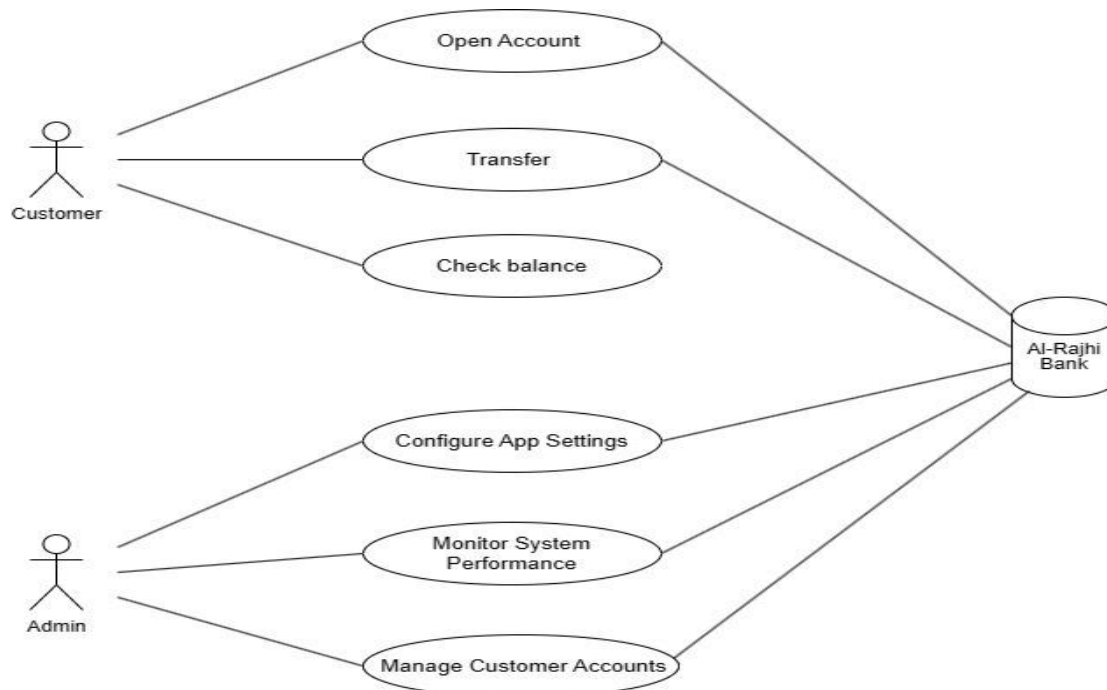
3. activity diagram:



Chapter 4

Project use case modelling

4. project use case modelling :



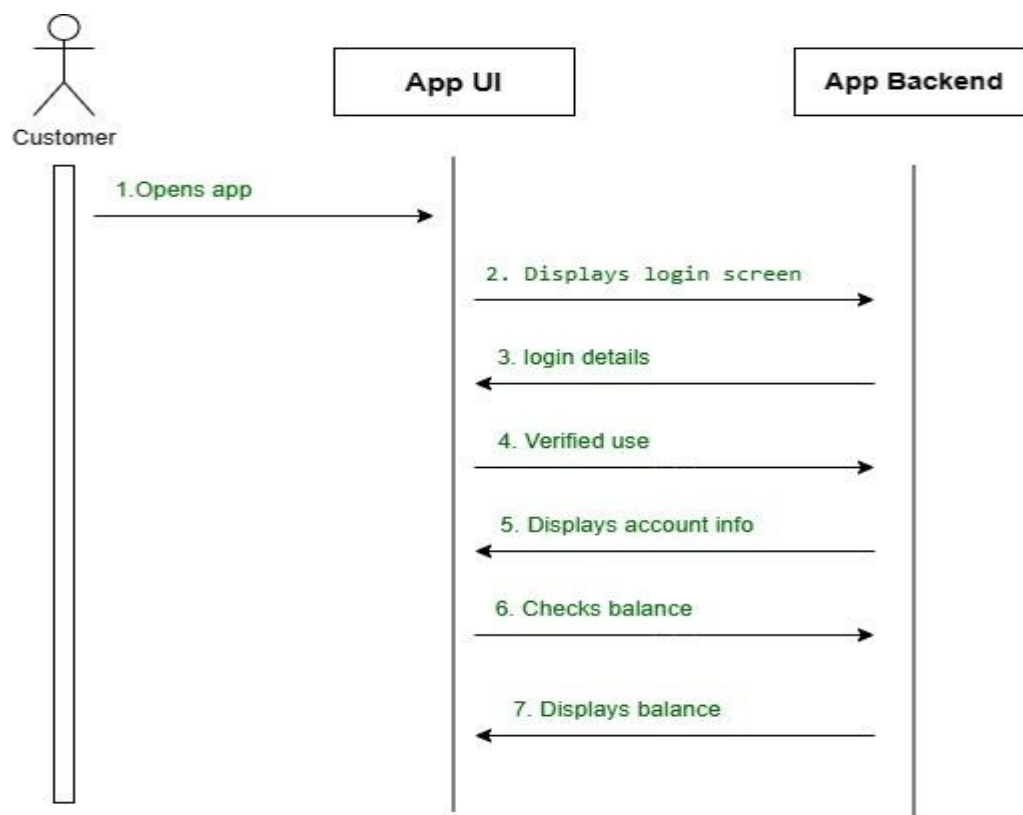
Actors		Rules	
Beneficiaries		Balance statement ,Bank transfer, Add a beneficiary, Buy products	
Companies		Display products such as cars, And offers	
the support		Entering the system, correcting errors, and dealing with the system directly	
Customer	<ul style="list-style-type: none">- Check Balance- Transfer- open account		
Admin.	<ul style="list-style-type: none">- Configure App Settings- Monitor System Performance- Manage Customer Accounts		
Actors	Customer and Bank		
Description	Explains how to transfer money to beneficiaries or government agencies		
Data	Money, a message arrives on the phone with a verification number		
Stimulus	The customer wants to transfer his money to another beneficiary or to a government agency		
Response	The money was transferred to another beneficiary or to a government agency		
Actors	Customer and Bank		
Description	Opening an account for the Customer in Al Rajhi Bank		
Data	ID number, phone number, email		
Stimulus	The Customer wants to open an account		
Response	The money was transferred to another beneficiary or to a government agency		

Chapter5

Sequence

Diagrams

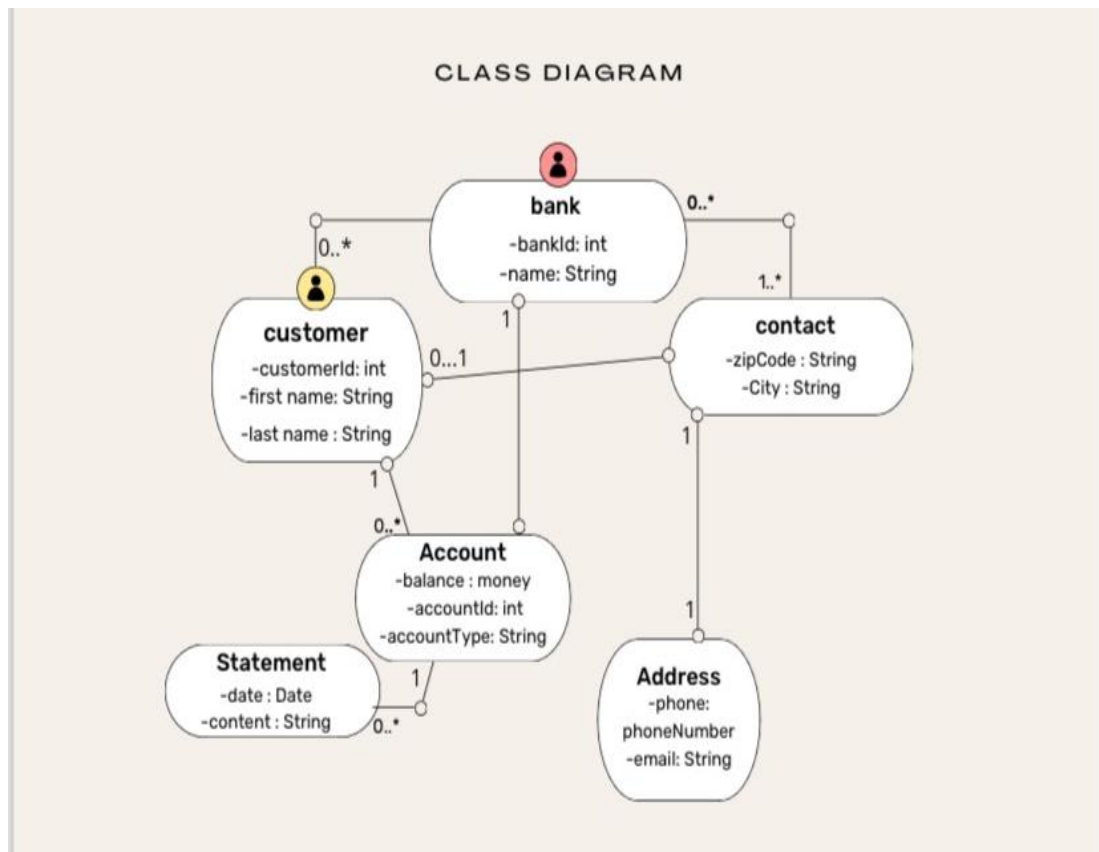
5.sequence diagrams:



Chapter6

user interface design

6 .user interface design:



**Thank you
for reading
the report**

references:

- <https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-class-diagram/>
- Activity diagram - Step by step guide
https://youtu.be/knM8BGY9yVI?si=YHgrFiOqJ7j_RoKh
- <https://app.diagrams.net>