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Android Bank Application

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Android Bank Application

By

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Summer, 2022

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September 19, 2022

**Dissertation submitted in partial fulfillment for the degree of Bachelor of
Science in Computer Science**

Department of Computer Science & Engineering

Independent University, Bangladesh

Attestation

This is to certify that the report is completed by me, Kazi Qurratul Anne (ID: 1730867), submitted in partial fulfillment of the requirement for the Degree of Computer Science and Engineering from Independent University, Bangladesh (IUB). It has been completed under the guidance of Mr. Mohammad Motiur Rahman. I also certify that all my work is genuine which I have learned during my internship. All the sources of information used in this project and report have been duly acknowledged in it.

Q Anne

Signature

18.09.22

Date

Kazi Qurratul Anne

Name

Acknowledgement

First and foremost, praises and thanks to Allah, the Almighty, for his showers of blessings throughout my Internship work and allowing me to complete the Internship work successfully within the timeframe. I would like to thank Independent University, Bangladesh (IUB) for offering an Internship program for me. From the core of my heart, I would like to express great appreciation to all those who provided me the possibility to complete this report. A special thanks I give to my course instructor, Mohammad Motiur Rahman, lecturer of Independent University, Bangladesh, whose contribution and suggestions were extremely helpful to complete this report. The timely completion of this project is mainly due to the attentiveness and perseverance of my company. I am tremendously thankful to my parents for their affection, devotions, kindness and sacrifices for educating and organizing me for my future. I am also grateful to Midland Bank Ltd. for recruiting me as an intern.

I want to offer my utmost gratitude to Mr. Ariful Islam (First Assistant Vice President, Agent Banking Division, Midland Bank Limited) for his monitoring and guidance to fulfill my Internship.

Kazi Qurratul Anne
September 17, 2022
Dhaka, Bangladesh

Letter of Transmittal

17th September 2022, Mohammad Motiur Rahman, Lecturer of Independent University,
Bangladesh Aftabuddin Ahmed Road, Block-B, Bashundhara R/A Dhaka

Subject: Letter of Submission of Internship Report, Summer 2022.

Dear Sir,

I am writing this letter to kindly inform you that I, (Kazi Qurratul Anne), have completed my Internship program and its report. The Internship started from 29 May 2022 and ended on 29 August 2022. I completed my internship at Midland Bank Ltd. The following report is based on my experience and the work I have seen in the company. I was assigned to work as an intern in the Agent Banking Division. I have worked for 3 months in this company and did my best work there with high passion, dedication and enthusiasm. I hope that you will be kind enough to consider any mistakes in preparing this report and accept it.

Thanking you

Sincerely yours,

Kazi Qurratul Anne

Evaluation Committee

Signature

Mohammad Motir Rahman

Name

Mohammad Motir Rahman

Supervisor

Signature

Sabrina Alam

Name

Sabrina Alam

Internal Examiner

Signature

Dr. Mahady Hasan

Name

Mahady Hassan Tusher

External Examiner

Signature

Name

Convener

Dr. Mahady Hasan

Head, Department of CSF
School of Engineering & Computer Science
Independent University Bangladesh (IUB)

Abstract

Midland Bank Limited is a fourth-generation private commercial bank. Midland bank always provides priority to their customers and would like to be their clients' first choice as a differentiated financial service provider, trusted, respected, and cherished by all stakeholders in the region and beyond, and to pursue an unending quest for excellence in all areas. I had to finish my learning sessions before working on any project, and in this learning session, I was assigned by my supervisor Mr. Mohammad Motiur Rahman to work on a project where my task was to develop an android application called Bank Android App. In this application, customers can do mobile banking with facilities like transfer, bill pay, mobile recharge, Bkash, and check their balance.

Keywords— Internship , CSE, Report, Midland Bank Limited

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Chapter 1

Introduction

1.1 Overview/Background of the Work

Internship is performed with a respected organization as part of the undergraduate curriculum in IUB, during which students will receive hands-on training in workplace procedures and industry knowledge. I spent time working at a bank after completing a three-month internship there. In this report, I've covered my time as an intern at Midland Bank Limited, a summary of the work I did there, and all I accomplished during that time. This section presents my supervisor's perspective on the project. Any organization with numerous linked members and potential new members has realized how important Android applications have become.

I designed an android app for mobile banking. I was told the kind of design I needed to do from my supervisor Mr. Mohammad Motiur Rahman. I followed the design paradigm, he advised me. After getting approval for the project, the project work begun.

A banking app is a piece of software that lets you access your bank account information and carry out transactions right from your phone, tablet, or other mobile device. You can access your current balance and transaction history on many banking apps. You may also deposit checks up to a particular dollar amount, start transfers to other bank accounts, plan payments or pay bills, send payments directly to other people, and find free ATMs. Our app will allow customers to do all the banking online. Our customers won't have to visit the bank for minute tasks. They can do all these from the comfort of their home.

Purpose of the Internship

The objective of this internship is to expose students to real work situations and experiences. The drafting of the report aims to showcase the author's successes throughout the internship. The objectives of the internship program are as follows:

- To help pupils develop their strength, sense of collaboration, and self-confidence.
- The chance to practice learning practical work skills and manners at a real workplace.

- To acquire important knowledge, experience, and abilities in an area that can help you transition into a new job.
- Explore a career interest, develop skills, and gain experience.
- To acquire important knowledge, experience, and abilities in an area that can help you transition into a new job.
- To aid in the application of the theories and abilities you have gained in the classroom and for your own personal growth.
- During their instruction, the student will be able to learn moral principles including accountability, dedication, and dependability.
- Increasing full-time employees' productivity and time management because interns frequently finish smaller assignments
- To build the strength, teamwork spirit and self-confidence in students' lives.

1.2 Objectives

The project's goal is to submit an application for a mobile banking system. The main goal of the project is to create a comprehensive and effective android application that can offer an online mobile banking experience. Other goals include:

- Design an android application for bank.
- Test the system many times.
- Make the System user friendly so that customers find it easy to use.
- There should be a range of features to complete various tasks.
- Make the System secure and safe to use.

1.3 Scopes

Features available to user and administrator after developing this android application are:

- The admin can view customers transactions or update the existing information or delete.
- Customers can login into the app, view the features and select their desired ones to perform a task. Once they do that, they will be directed to the desired option and given instructions to complete the task.
- Customers can also contact us.
- The admin can also view the customer information of the ones who have logged in into the app and customers can view the pages.

Chapter 2

Literature Review

2.1 Relationship with Undergraduate Studies

The different courses offered by IUB was a huge help for this project. I learned MYSQL in my Database course (CSE303). For this project I used SQLite. My programming logic was built by courses like the Data Structure (CSES203), Algorithms (CSE211), Database Management System (CSE303) etc. Object Oriented Programming course (CSE213) helped me build the codebase in a structured, organized, and professional way. And all the other course lessons helped me solve various problems that occurred while completing the project. Some of the tools I learned from my courses and used here are described below:



Figure 2.1: Java

Java is a widely used object-oriented programming language and software platform that runs on billions of devices, including notebook computers, mobile devices, gaming consoles, medical devices and many others. The rules and syntax of Java are based on the C and C++ languages. The portability of Java is a key benefit while creating applications. It is relatively simple to transfer Java program code from a notebook computer to a mobile device once you have done so. The fundamental intention of the language's creation in 1991 by James Gosling of Sun Microsystems (later bought by Oracle) was the ability to "write once, run anywhere."

A software platform and a programming language are both parts of the technology known as Java. The Java Development Kit (JDK), which is available for Windows, macOS, and Linux, must be downloaded in order to construct an application using the Java programming language.

Programming in the Java programming language creates Java bytecode, which is the instruction set for the Java Virtual Machine (JVM), a component of the Java runtime environment (JRE). Java bytecode can be run anywhere since it executes unaltered on any platform that supports JVMs. The JVM, Java API, and an entire development environment make up the Java software platform. The Java bytecode is run (parsed) by the JVM. The Extensible Markup Language (XML) generation, online services, networking, and security capabilities are only a few of the libraries that make up the Java API. The Java software platform and language when combined produce a potent, tested technology for enterprise program development [1].



Figure 2.2: Android Studio

The official integrated development environment (IDE) for creating Android applications is called Android Studio. It integrates the code editing and developer tools from IntelliJ IDEA, a Java integrated development environment for applications. Android Studio employs a Gradle-based build system, emulator, code templates, and Github integration to assist application development for the Android OS. In Android Studio, every project contains one or more modalities that include source code and resource files. These modalities consist of Google App Engine modules, Library modules, and modules for Android apps. To update running applications with new code and resources, Android Studio employs a feature called Instant Push. A code editor offers code completion, refraction, and analysis in addition to helping the developer write code. The APK file is then created from applications created in Android Studio and submitted to the Google Play Store [2].



Figure 2.3: XML

The content and organization of data in a document are both described using the markup language extensible markup language (XML). The Simplified Generalized Markup Language is used in this (SGML). An industry standard for online content delivery is XML. XML is extensible because it offers the ability to define new tags. XML uses tags, just like HTML, to describe content. However, the tags in XML explain the meaning and hierarchical structure of data rather than concentrating on the presentation of content. The advanced data types needed for effective data exchange across various applications and systems are made possible by this functionality. Additionally, because XML makes it possible to separate content from display, the content (or data) is transferable between disparate systems. Information delimited by tags is called an element. Every XML document has a single root element, which is the top-level element that contains all the other elements. Elements that are contained by other elements are often referred to as sub-elements. An element can optionally have attributes, structured as name-value pairs, that are part of the element and are used to further define it [3].



Figure 2.4: SQLite

SQLite is an in-process library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is thus free for use for any purpose, commercial or private. SQLite is the most widely deployed database in the world with more applications than we can count, including several high-profile projects. An embedded SQL database engine is SQLite. SQLite lacks a dedicated server process, unlike the majority of other SQL databases. SQLite directly reads and writes to common disk files. One disk file can store an entire SQL database, including all of its tables, indices, triggers, and views. The database file format is cross-platform, allowing you to freely copy databases between big-endian and little-endian architectures as well as between 32-bit and 64-bit platforms. These characteristics make SQLite a well-liked option for application file formats. The US Library of Congress suggests storing data in SQLite database files. Consider SQLite to be an alternative to fopen() rather than Oracle [4].

Depending on the target platform and compiler optimization options, the library size with all features enabled may be less than 750KiB. There is a trade-off between memory usage and speed (64-bit code is larger, and some compiler optimizations like aggressive function inlining and loop unrolling can lead the object code to be much larger). The more RAM you provide SQLite, the faster it will typically execute. Nevertheless, even in low-memory contexts, performance is typically pretty good. In some cases, SQLite can outperform direct filesystem I/O in terms of speed.

2.2 Related works

Walter Kriha [5] in his article has mentioned the systematic overview of NoSQL databases and common concepts, techniques and patterns as well as several classes of NoSQLdatabases (key/value-stores, document databases, column oriented databases) and individual products. Some advantages and disadvantages of using NoSQL databases are mentioned in this paper. Supriya S. Pore, Swalaya B. Pawari [6] conducted a comparative study of SQL and NoSQL. The study highlights the types of databases like SQL and NoSQL, it also differentiates among them. The Axiomatics of SQL and NoSQL databases has been described in this paper. The study says that due to data consistency, ACID property is not used in the NoSQL databases. Vatika Sharma, Meenu Dave [7] have given an overview of NoSQL databases focusing on how it has declined the dominance of SQL with its background and characteristics. Daniel Pan [8] in his article has shown how to connect firebase to an Android app and basics of designing the structure of database in Firebase. Landon Cox [9] study highlights the comparison between SQLite and firebase. It also focuses on organizing data in the form of a JSON tree in order to store in Firebase.

Chapter 3

Project Management & Financing

3.1 Work Breakdown Structure

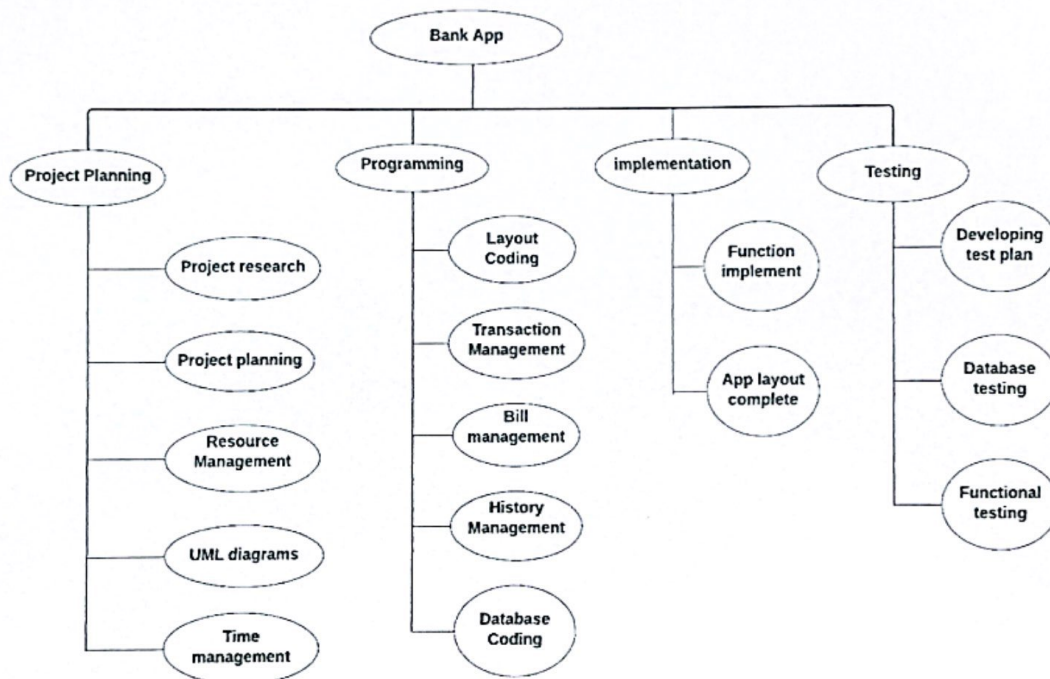


Figure 3.1: Work Breakdown Structure Diagram

3.2 Process/Activity wise Time Distribution

The processes for each step are separated in accordance with the project's estimated completion time of about 3 months. The critical path method was used to construct the time

distribution. A technique for assessing schedule flexibility and identifying tasks necessary for project completion is the critical path method (CPM). A critical route is the longest sequence of tasks that must be finished promptly in order for the project to be finished. Project time distribution:

Task	Days	Work Percentage
Requirement Analysis	15	14
Design	15	21
Implementation	28	41
Testing	8	14
Deployment	9	10
Total	75	100

Figure 3.2: Time Distribution

3.3 Gantt Chart

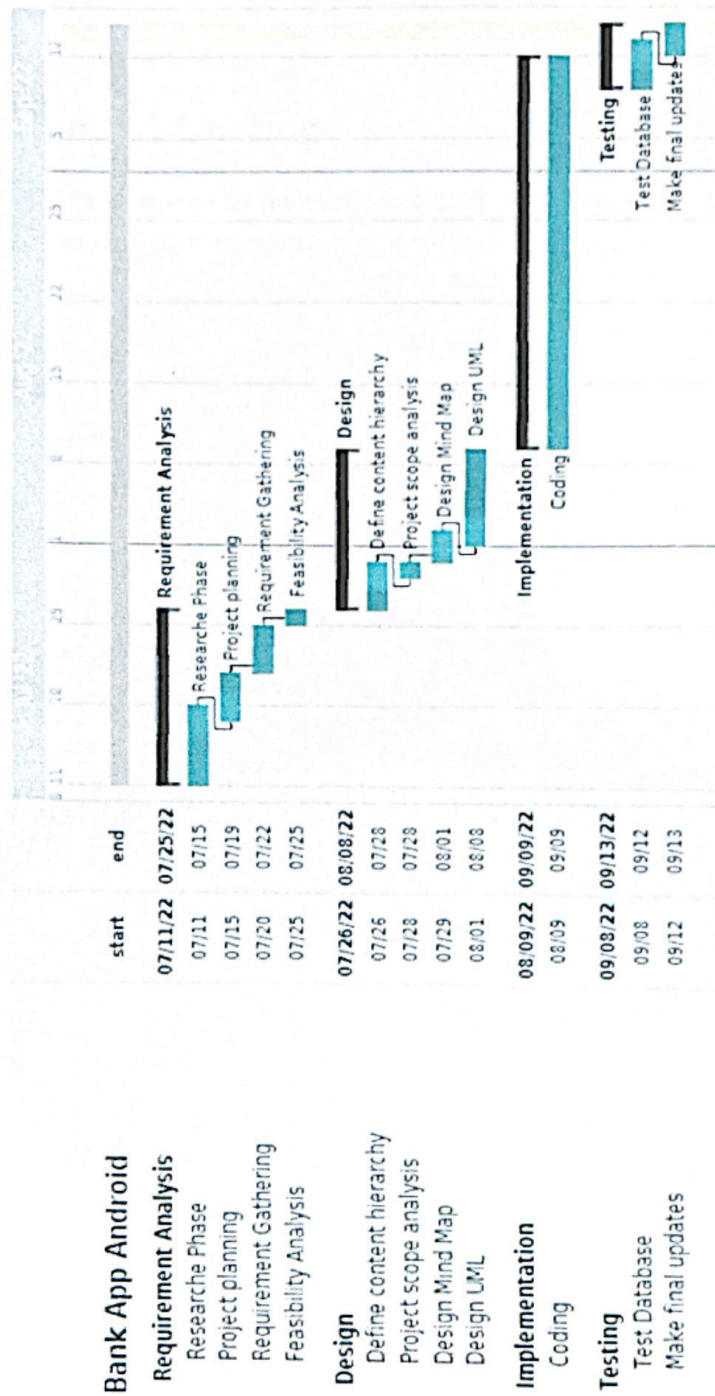


Figure 3.3: Gantt Chart

3.4 Process/Activity wise Resource Allocation

Enough support and resources were provided to me by my supervisors both in office and IUB.

3.5 Estimated Costing

As the project was assigned by my course instructor, Mr. Mohammad Motiur Rahman, there was no cost in building the project.

Chapter 4

Methodology

For completing any project, a system must go through some process which is called Software Development Life Cycle (SDLC). SDLC is a process which consists of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. The life cycle defines a methodology for improving the quality of software and the overall development process.

There are various software development life cycle models such as:

- Waterfall Model
- Iterative Model
- Agile Model
- Big Bang Model
- Spiral Model

In this project, I used an agile model to develop the project. It is the best SDLC methodology and also one of the most used SDLC in the tech industry as per the annual State of Agile report. Its one speciality is it allows any requirements changes without negatively impacting. Agile Methodologies have overcome the traditional waterfall model by becoming flexible, fast, lean, responsive, and consistent and methods more open to changes.



Figure 4.1: Agile Method

There are many advantages of this method. Agile method allows fast delivery to satisfy customers and adapt any requirement change. It provides higher product quality through testing during the development process. It helps to predict the cost, time and resource through breaking up the project. It also allows customer collaboration and feedback. It is becoming more flexible, fast, lean, responsive and consistent. If anything isn't good or acknowledged decidedly, it very well may be immediately changed in the next cycle. Agile cycle empowers more authority over the undertaking through day by day gatherings. Agile gives the chance when fresher changes should be fused. The purchasers' necessities and inclinations can be adjusted to, in the turn of events measure. A practical prepared to utilize item is made get-together few emphasis subsequently more useful. Every emphasis permits changes to be made to the item effectively causing it to develop and create. Users are given main concern, and this guarantees the item is valuable and attempts to meet their requests each phase of the way. Small groups work better utilizing coordinated improvement measure as an engineer can have different abilities and can use them at a few phases of the cycle without clashes.

Chapter 5

Body of the Project

5.1 Work Description

I used Java, XML, Android Studio, and SQLite. The bank app is an application where customers can perform all the banking related tasks from the comfort of their home or any other place as they want without having to go to the bank physically. The app permits the customer to make all kinds of transactions within the app itself. It provides a mobile display of all the features related to banking. Customers have to log in with their account id and password to perform transactions or check their balance.

Mobile banking will be possible through the app. It is a user-friendly, responsive application. Our goal is to:

- Design an android banking app.
- Test the system many times.
- Building the app as smoothly as possible.
- Increasing customer traffic.
- User friendly login process.
- Easy design for transactions.
- Make the System user friendly so that customers find it easy to use.
- Make the runtime faster.
- Make the app secure and safe to use.

5.2 Requirement Analysis

Rich Picture



Figure 5.1: Rich Picture

Functional Requirements

- The system should allow customers to login with their password.
- The system should allow them to update personal details.
- The system should allow them to view balance.
- The system should allow them to view personal history of transactions.
- The system should allow them to transfer money.
- The system should allow them to perform Bkash and mobile recharge tasks as well as paying utility bills.

Non-Functional Requirements

Non-practical prerequisites determine measures that can be utilized to pass judgment on the activity of a framework in general as opposed to explicit ways of behaving. Properties like security, execution, and accessibility which can be worked around, are fundamentals to satisfy

for a usable framework. The assessment regardless of whether the item satisfies the non-practical necessity typically lessens to a boolean response: yes or no.

For a bank android application, the main non-utilitarian prerequisites incorporate security, execution, ease of use, and accessibility.

Security

Bank frameworks are infamous for being dependent upon noxious assaults, so security is the significant prerequisite for the framework. This cannot be neglected at any cost.

Convenience

The framework should give different graphical points of interaction to clients. All framework interfaces should be easy to use and easy to learn, particularly in a client interface. The client should have the option to quick learn and utilize the connection point without earlier information on financial wording or rules.

5.3 System Analysis

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Analysis begins when a user or manager begins a study of the program using an existing system. During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Diagrams etc.

5.3.1 Six Element Analysis

Process	Human (Role)	Non-Computing Hardware	Software	Hardware	Database	Connectivity
Login	Select option from the app.	None	Android app	Smartphone	SQLite	Internet
Select an option	Press the option.	None	Android app	Smartphone	SQLite	Internet
Perform the task	Put necessary information	None	Android app	Smartphone	SQLite	Internet
Logout	Logging out of the application.	None	Android app	Smartphone	SQLite	Internet

Figure 5.2: Six Elements Analysis

5.3.2 Feasibility Analysis

There are 5 different kinds: technical, operational, economic, schedule and social feasibility. The main goal of feasibility study is not to solve the problem but to achieve the scope. Let's check the different kinds of feasibilities:

Technical Feasibility: Technical feasibility refers to the analysis of the technical resources that are available inside the organizations in relation to the project requirements. Technical feasibility study aids in determining whether technical resources are adequate for a given task and assesses hardware, software, and other technical needs for mobile app development companies.

Operational Feasibility: Operational feasibility refers to the evaluation of the procedures that the app development company uses to carry out the project's completion. This evaluation entails research to evaluate whether and how the needs of the mobile app development company may be satisfied by completing the project.

Economic Feasibility: Economic viability includes the project's cost and benefit analyses. Before allocating financial resources, economic feasibility enables mobile app development companies to assess a project's viability, costs, and benefits.

5.3.3 Problem Solution Analysis

Problems:

- There should be options for the admin side to view the customer information.
- Admin side should be able to control the information of customers and update if necessary.
- Customers should be able to view options and perform different banking related tasks.

Solutions:

- An admin panel will be built to manage the admin side.
- Database will be used for controlling the purpose of customer information.

5.3.4 Effect and Constraints Analysis

Effects:

- Efficiency Flexibility.
- Better Management, better Quality.
- Furthermore, Proper system analysis makes the clear path for android application development by minimizing the future IT requirements.
- Social events of a reasonable arrangement of necessity for any framework will give a benefit of the exact preparation of the assets for improvement, this will bring the end result for minimal price.
- System analysis helps to acquire flexibility and flexibility in the system development, in addition to lowering expenses. Additionally, it establishes a set of criteria that clearly outlines the development goals for each version.

Constraints:

Product Summary: Customers can perform their banking related tasks from the android application in their Android smartphones. To conduct the tasks the person needs to have a smartphone which is an android device. Customers can perform mobile banking from their house or any other place they want without having to visit the bank and wait in line for simple tasks like money transfer or check balance.

Stakeholders: Admin panel, Organization, Customers, and Finance department.

Technical Features:

- Must be user friendly.
- Customers should be able to perform all the banking tasks in the app.

- Should have a Transaction history view option.
- Should have a mobile recharge option.
- Should be able to check the current balance in their account..
- Should provide good security.

5.4 System Design

UML Diagrams

Use Case Diagram

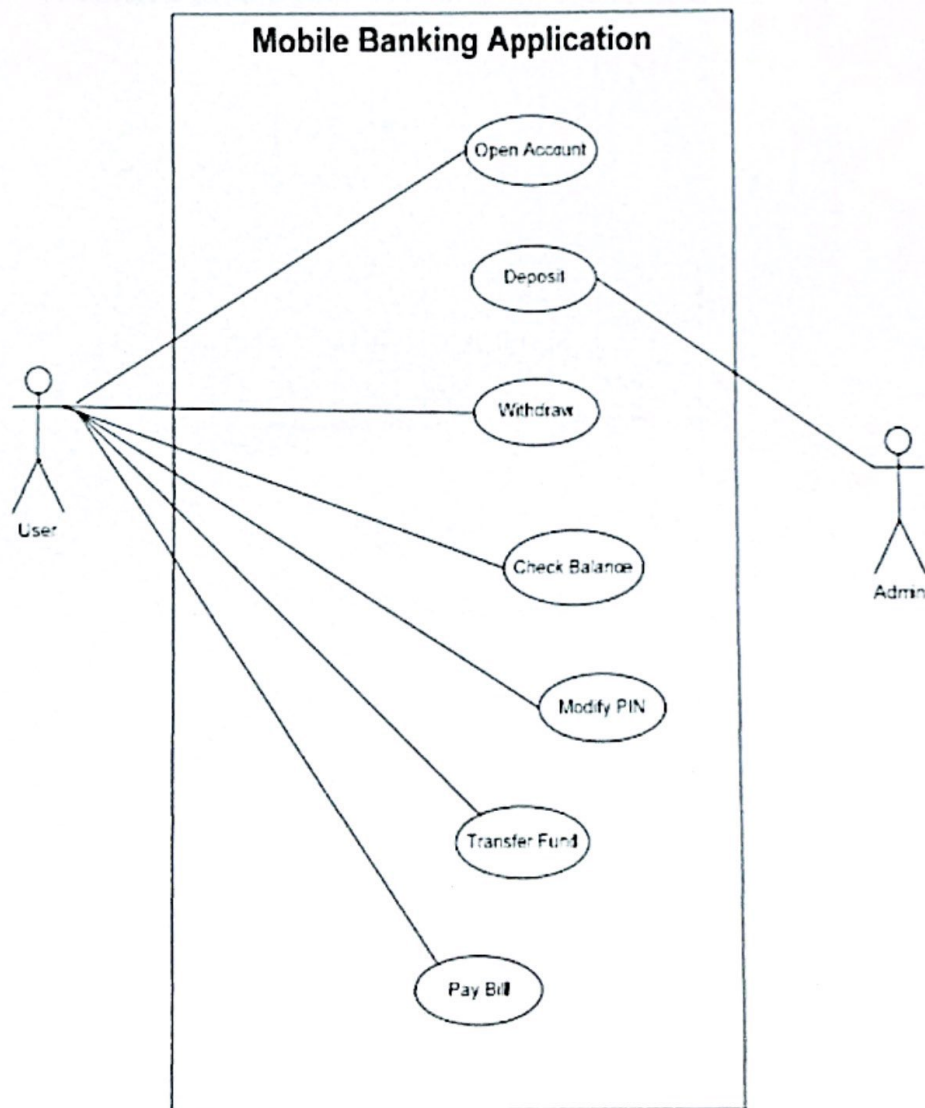


Figure 5.3: Use Case Diagram

ERD

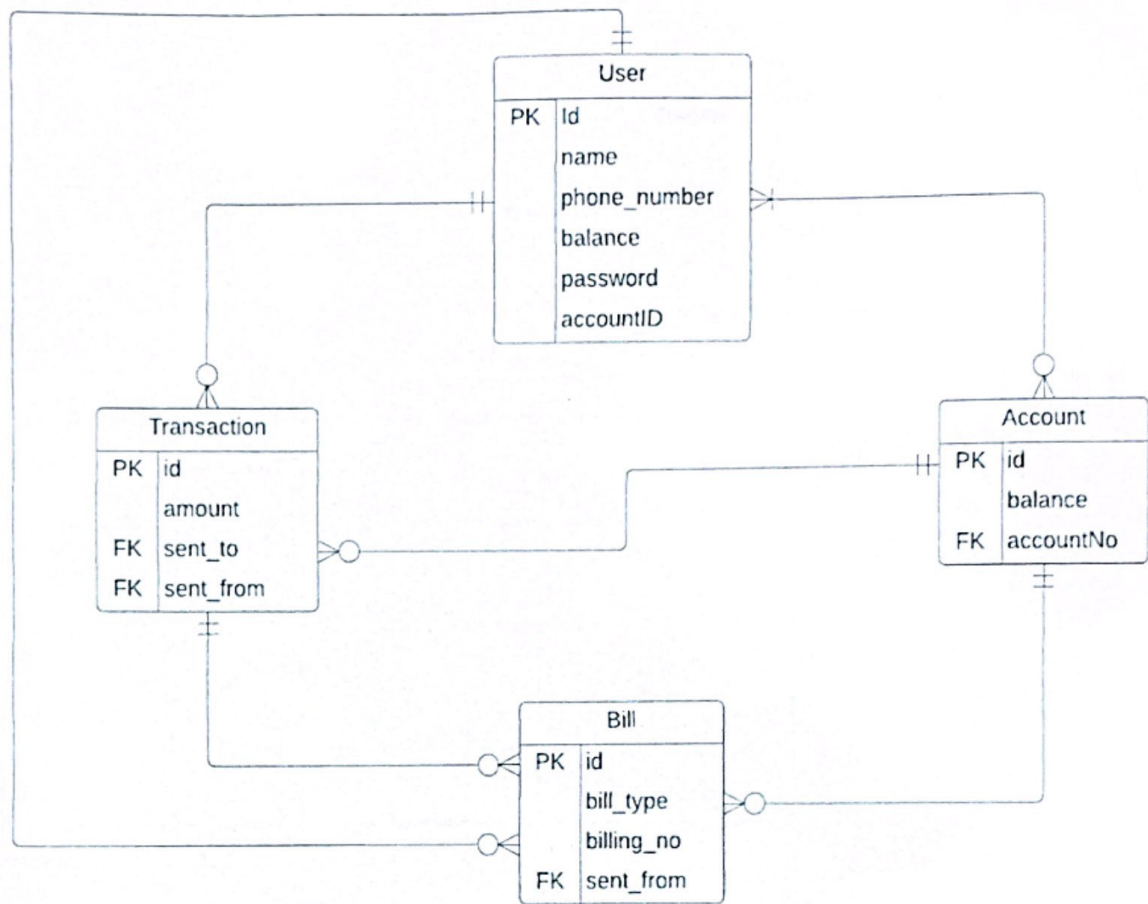


Figure 5.4: ERD

Data Flow Diagram

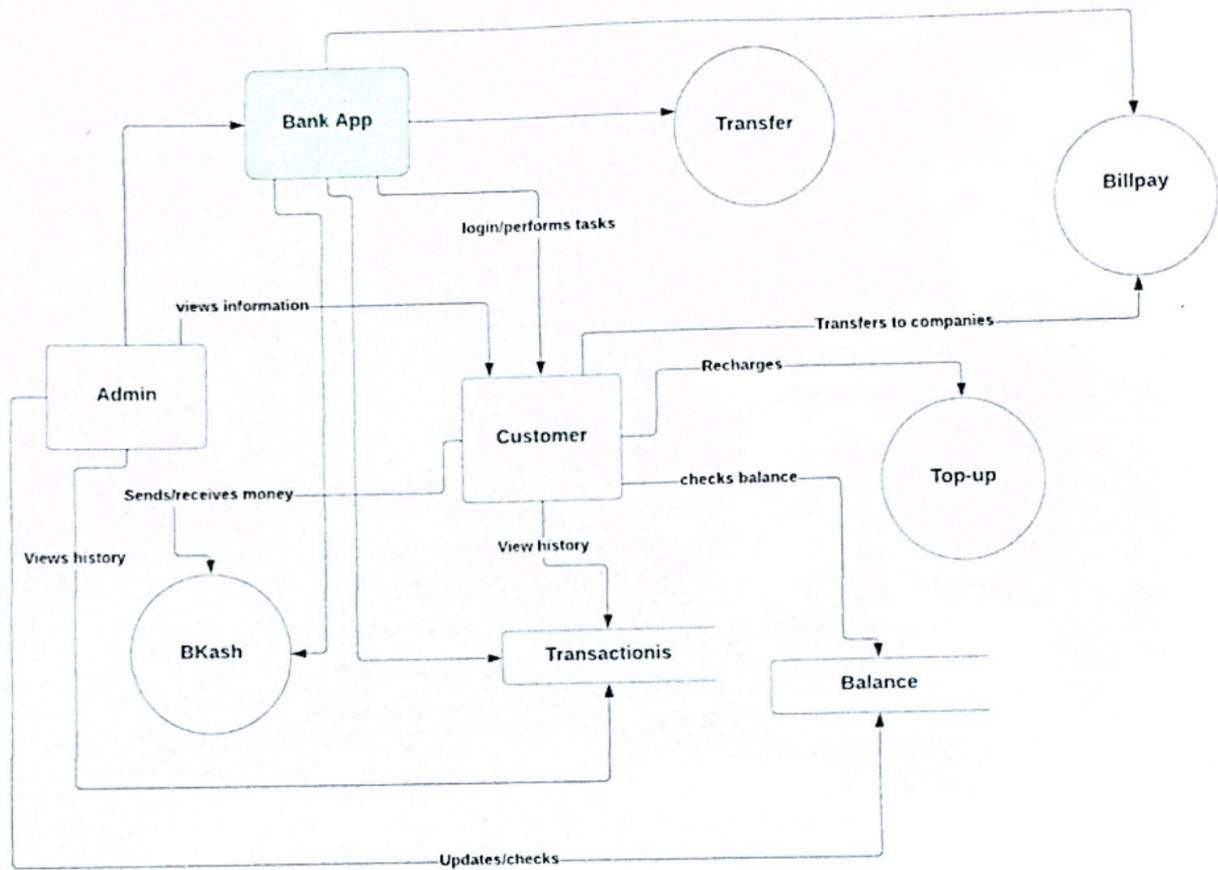


Figure 5.5: Data Flow Diagram

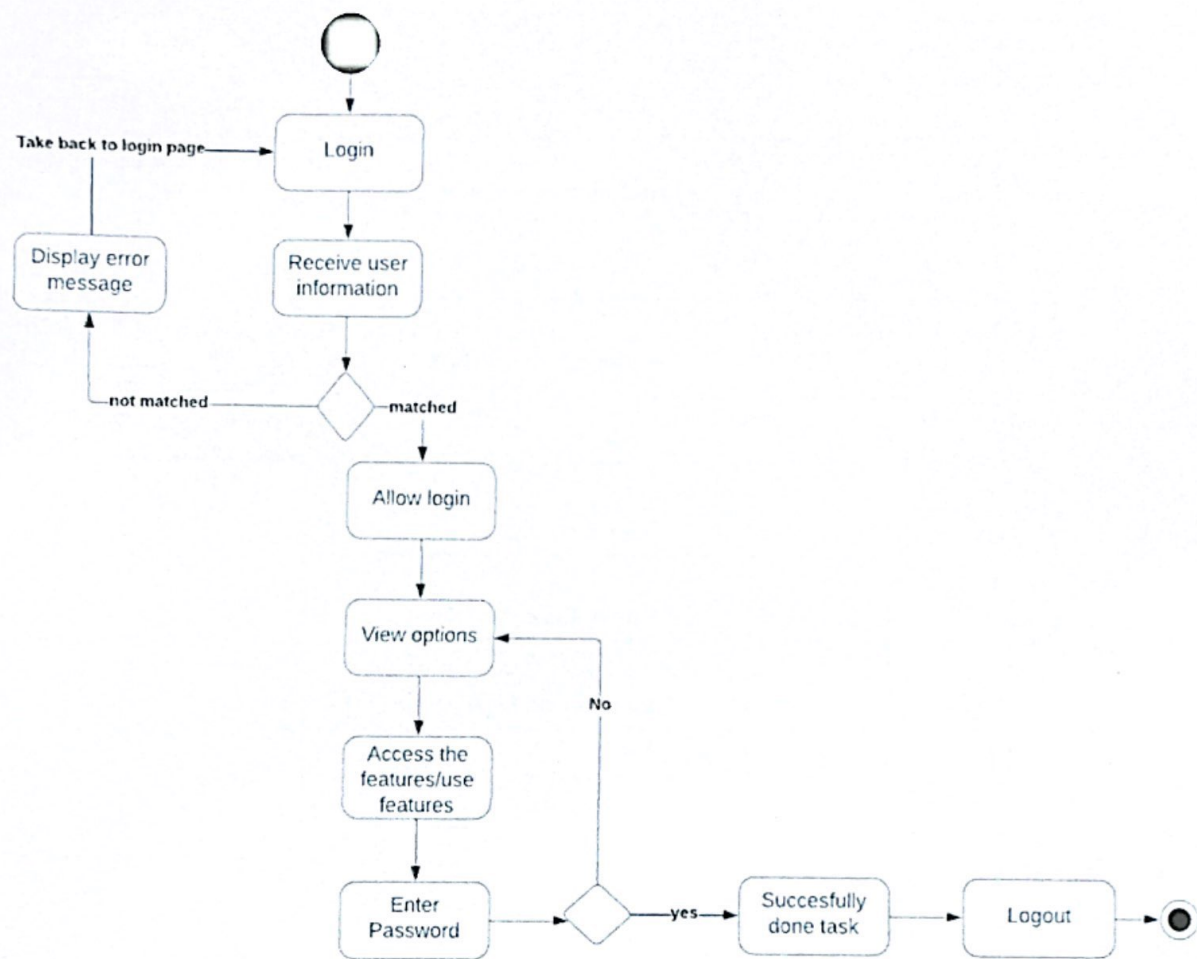
Activity Diagram

Figure 5.6: Activity Diagram

Sequence Diagram

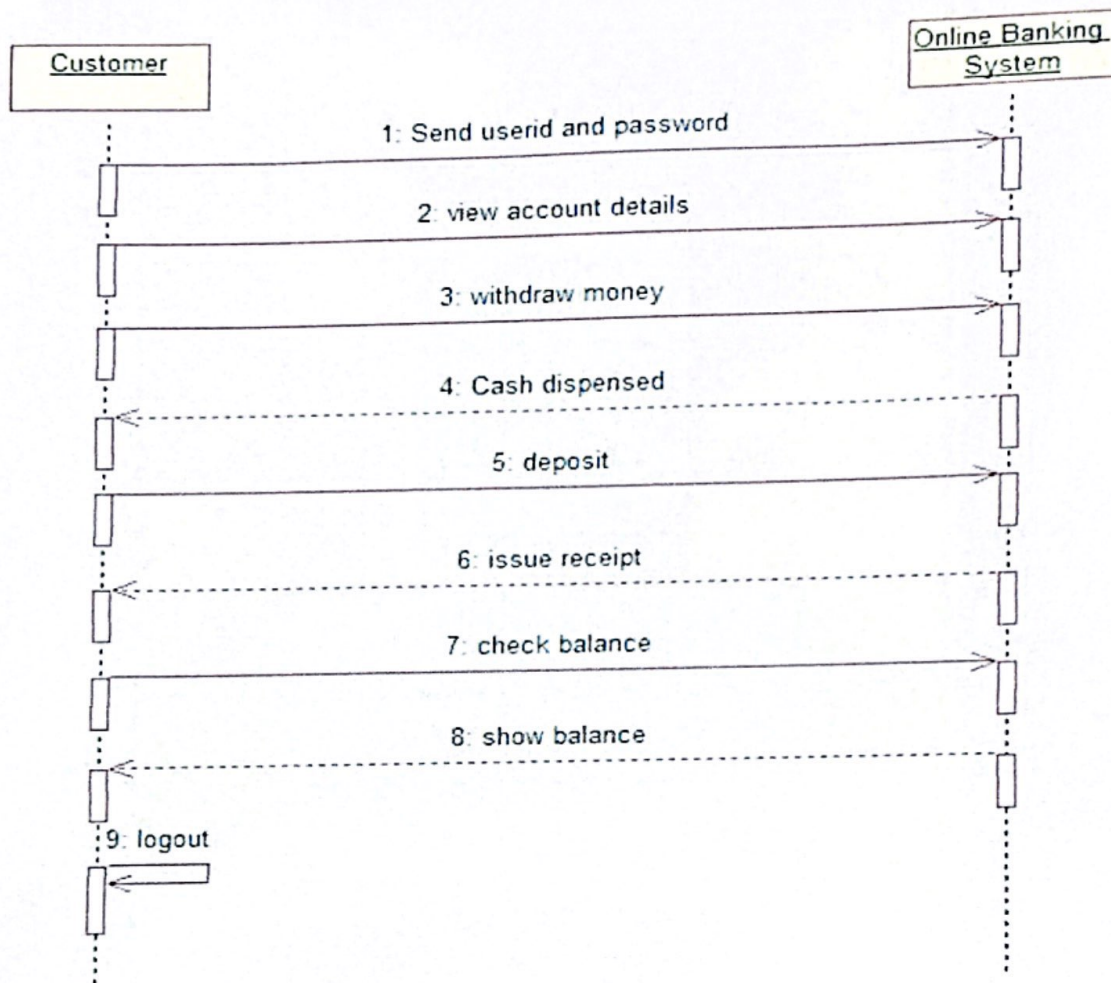


Figure 5.7: Sequence Diagram

5.5 Implementation & Testing

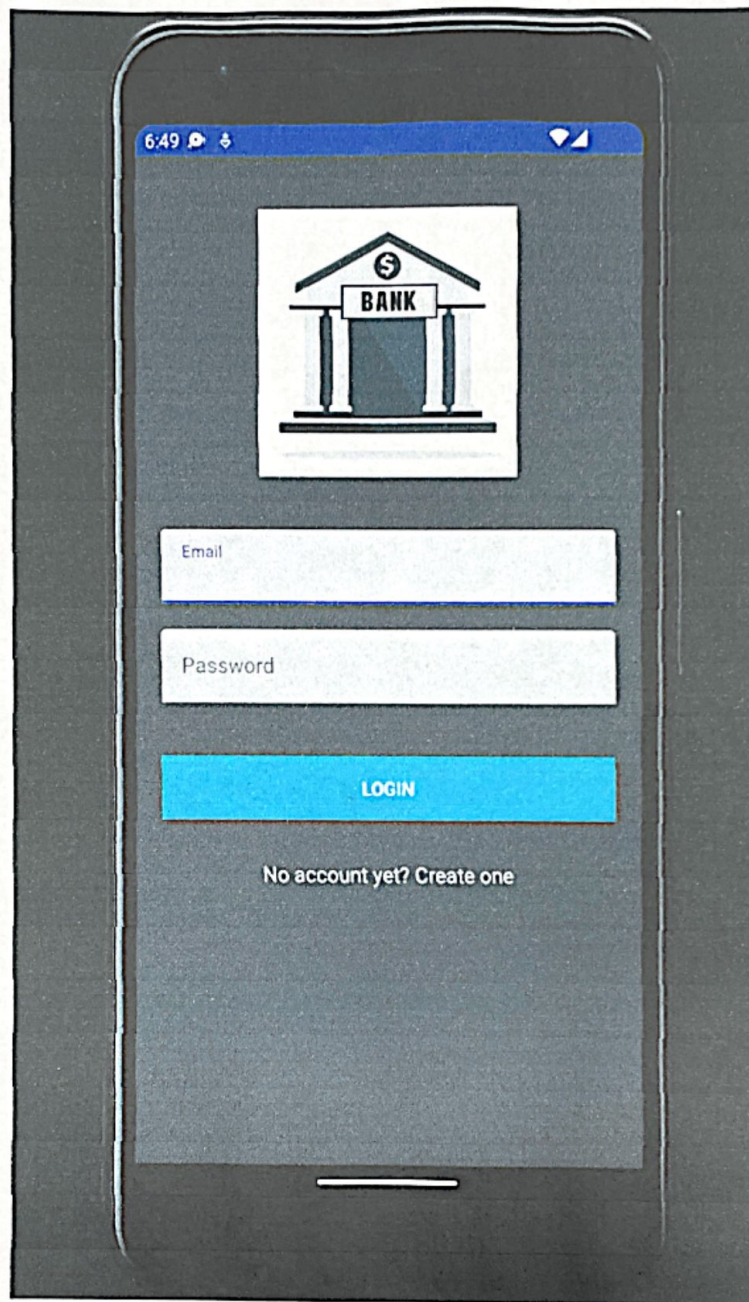


Figure 5.8: Login

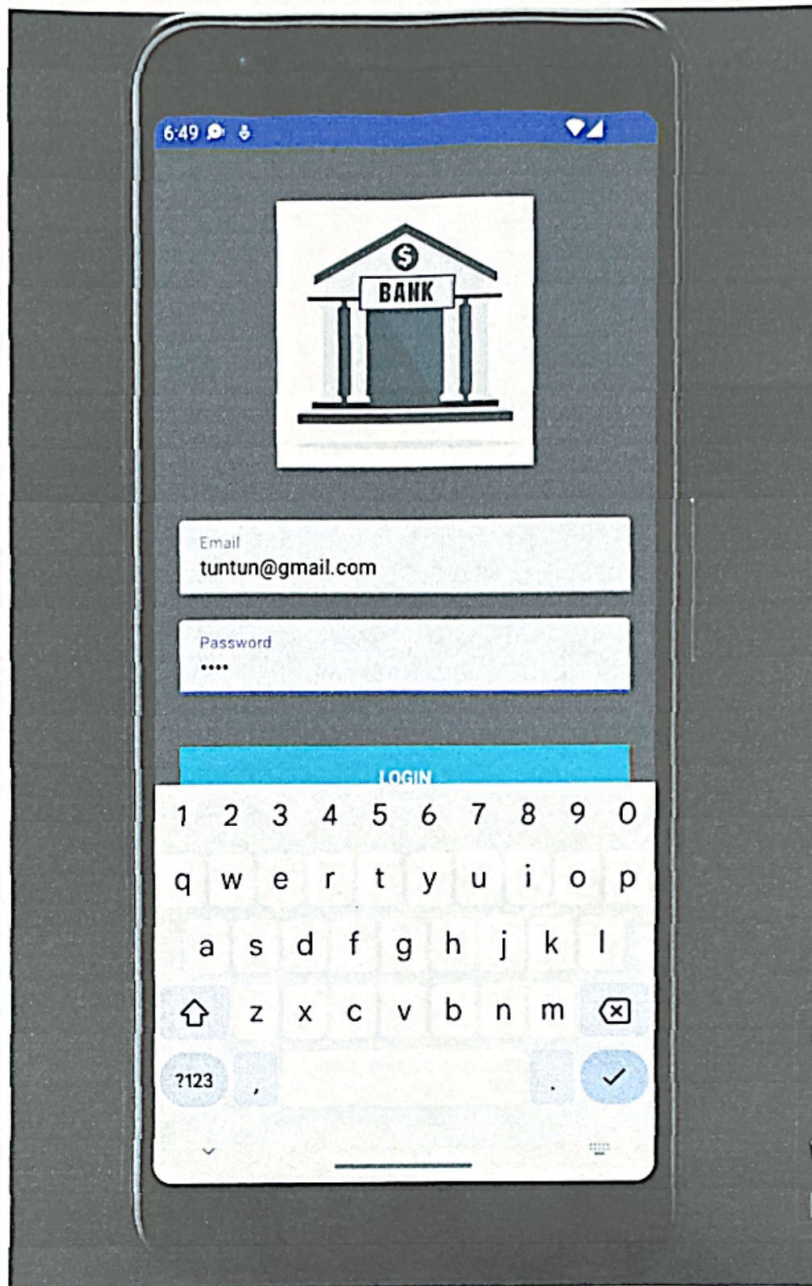


Figure 5.9: Login Process



Figure 5.10: Home Feed

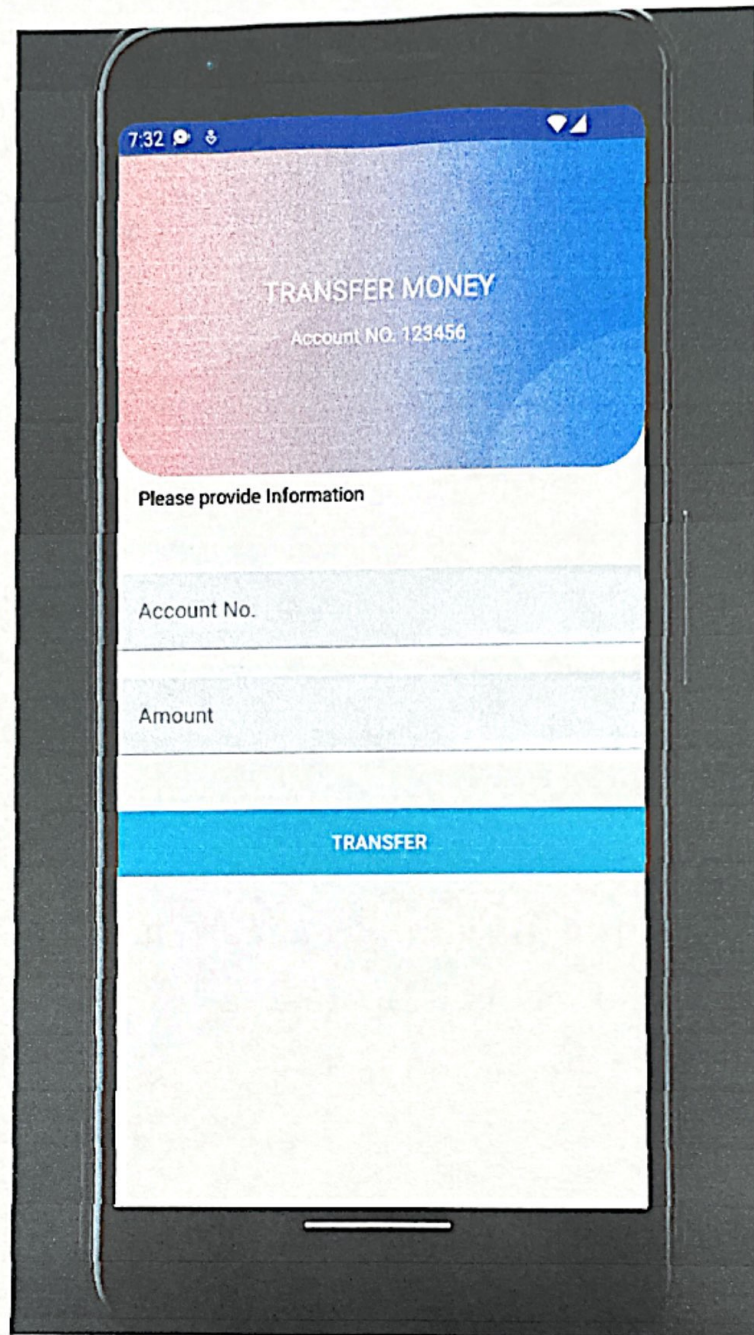


Figure 5.11: Transfer Money

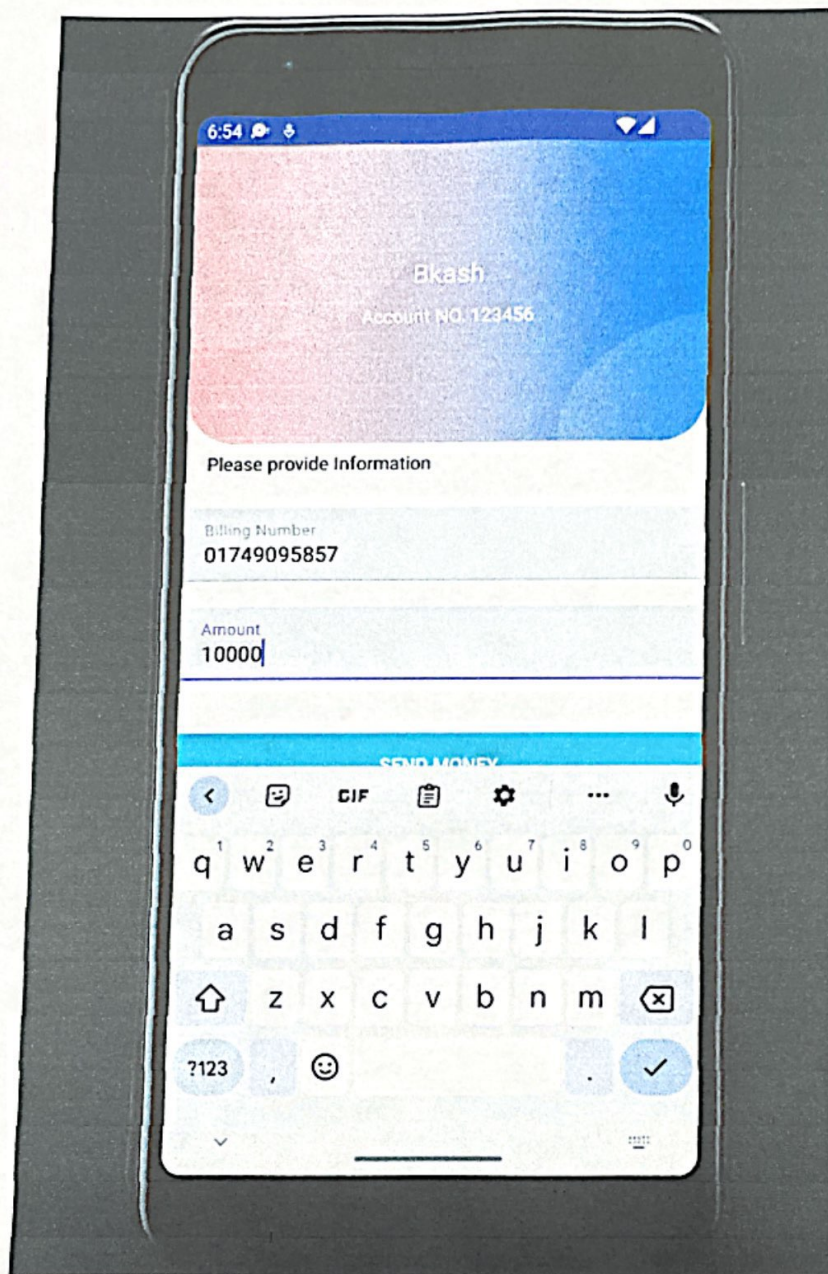


Figure 5.12: BKash

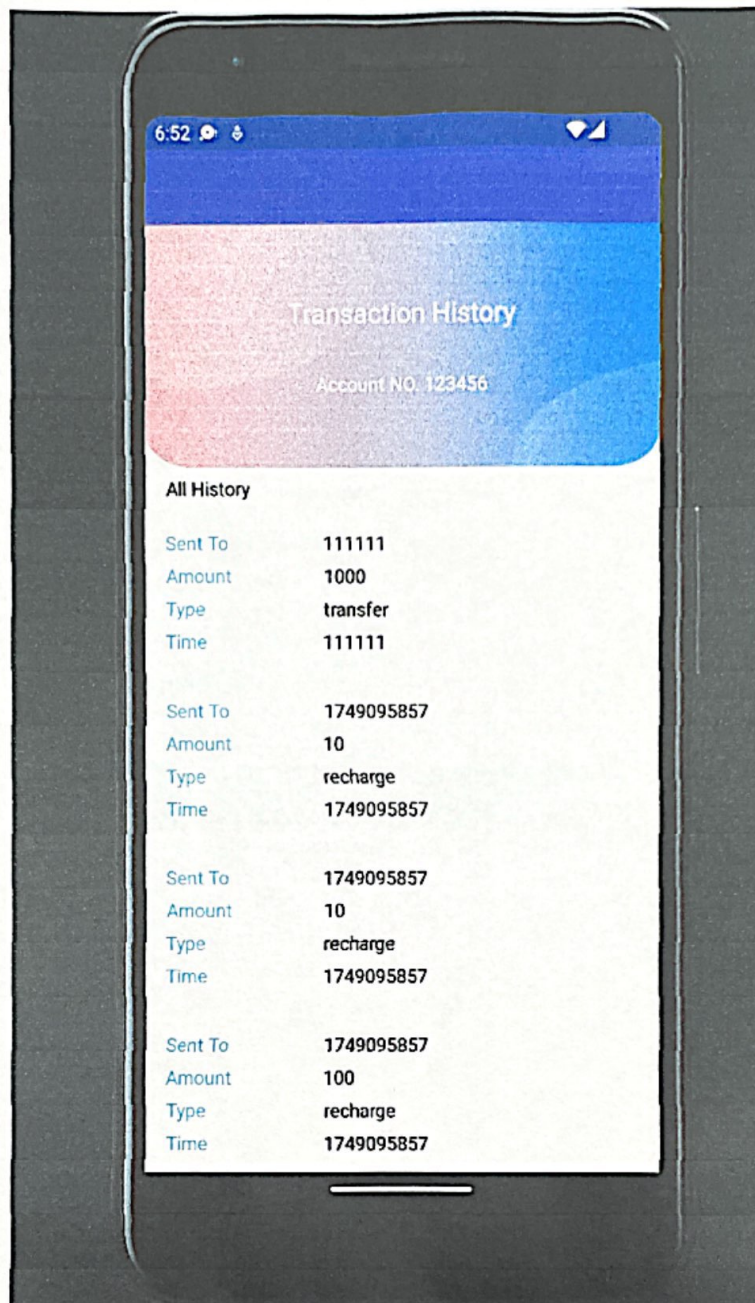


Figure 5.13: Transaction History

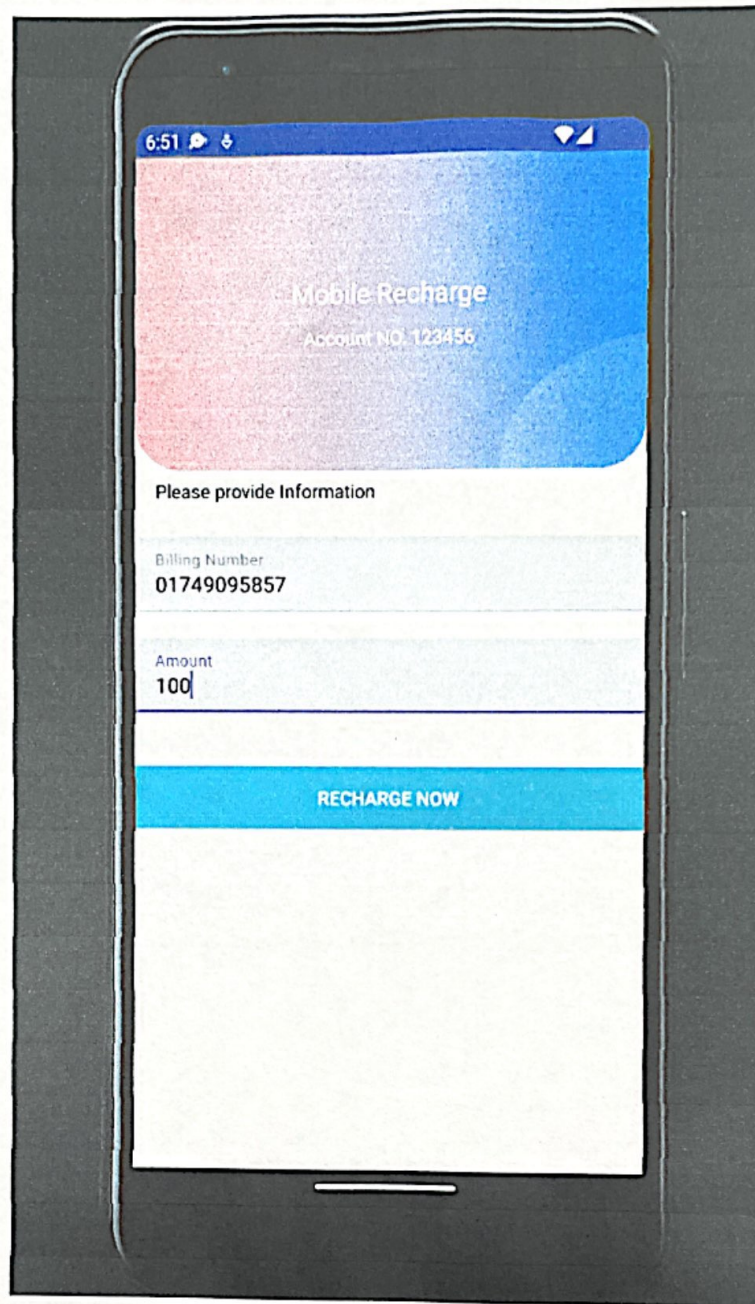


Figure 5.14: Mobile Recharge

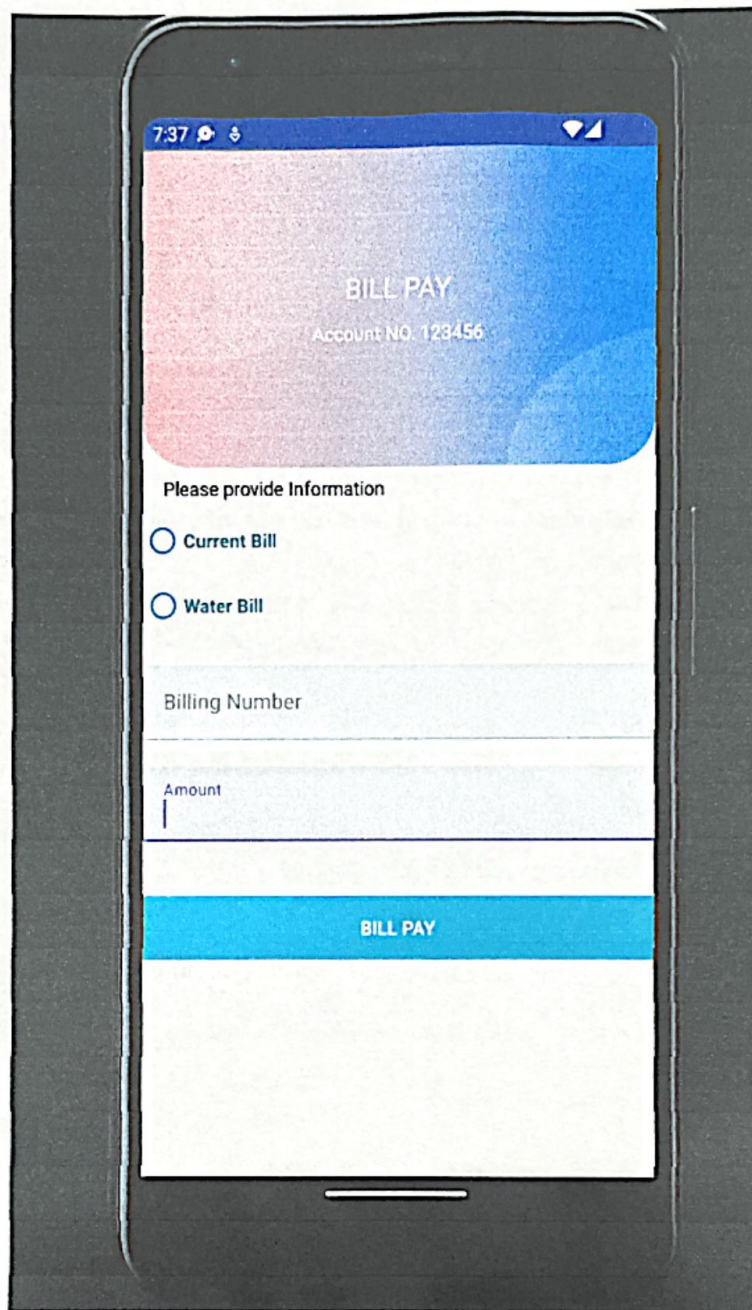


Figure 5.15: Bill Pay

Chapter 6

Results & Analysis

Our app has a very simple user-friendly interface. Customers can login/logout of the app. Customers can view all the features in the app and check their current balance. Customers can choose an option and perform monetary tasks within the app. Customers can check all kinds of transactions made by them in the transaction history option in the app. Customers can pay their utility bill from the app with the help of their billing number and send money to BKash numbers from their account in the app. In the Transfer section, customers can send funds to different accounts. Mobile recharge option is also available for the customers.

Opportunities

- The app can be used 24/7.
- Many useful features are available.
- Building good relationships with customers and giving them a good experience.

Chapter 7

Project as Engineering Problem Analysis

7.1 Sustainability of the Project/Work

By adopting a "green" mindset into its project management strategy, a company can have positive effects across the board, which can increase productivity, minimize waste, and improve employee morale. There aren't many techniques for planning and executing sustainable projects.

Start by assessing current project sustainability: Before taking any steps toward greater sustainability, it's imperative to be aware of where you are right now. A sustainability analysis makes it easier to identify the most important areas for improvement and to monitor your progress as your sustainability initiative takes shape. You should first establish whether the concept of sustainability pertains to a particular project or project management technique. In that case, you should evaluate the expenses and time necessary to implement the necessary changes, the potential advantages for the environment and the company's reputation, and any potential cost savings that may result.

Develop a sustainability strategy: After your assessment is finished, the next stage is to write a strategy that outlines the objectives for increasing sustainability, how those objectives will be met, and the benefits the business expects to reap as a result. Similar to a project plan, the strategy should identify the individuals, positions, or divisions in charge of overseeing the sustainability initiative and the degree of control they will have over setting project priorities.

Adopt a sustainability standard: Organizations have started to establish guidelines to aid senior leaders and project managers in determining if they are accomplishing their sustainability objectives as interest in projects becomes more widespread.

Look for sustainability in partners and vendors: An organization's ability to put pressure on the businesses it does business with increases with size. In addition to lowering your company's environmental impact, requesting more sustainability from vendors and suppliers may result in wider changes among your vendors' other clients.

Spread the word: The secret to success in any organizational endeavor is communication. Project teams should be included as soon as sustainability strategy is established. Request input from staff members regarding your sustainability objectives and fresh suggestions that they may have based on prior work. Employees will work harder to make the sustainability endeavor successful the more invested they feel in it.

7.2 Social and Environmental Effects and Analysis

Our app is not detrimental or harmful to the environment in any way. We hope that customers will throw away the paper waste in the garbage after their work or reuse them in some ways..

7.3 Addressing Ethics and Ethical Issues

It is important that the ethical guidelines are being followed. Here are some that should be followed:

- Maintaining privacy and keeping user data safe and secure.
- Only the administration has access to the database.
- There should not be any kind of favoritism.
- Only relevant user data should be collected.

Chapter 8

Lesson Learned

During this time, I gained a lot of insightful knowledge about a wide range of issues. Some issues were technical, while others had to do with corporate strategy. I was able to resolve those issues with the aid of my supervisor, teachers, course lessons, and the internet.

8.1 Problems Faced During this Period

- Delay in app runtime.
- Same option for top-up and money transfer.
- App quality.
- Delay in confirmation text.

8.2 Solution of those Problems

- Work on responsiveness of the app
- Separating top-up and money transaction options.
- Improving app quality.
- Making confirmation text faster and more responsive.

Chapter 9

Future Work & Conclusion

9.1 Future Works

QR code scanning will be added within the app. Customers should be able to scan QR codes to make purchases or transfer money. Customer profile will be added in the app. Profile customization for the customers will be added. Implementing the admin panel within the app.

9.2 Future Scopes

There will be scopes to work in an IT company. Students will be able to gain valuable work experience. Students can work as an App Developer. Students will learn new and improved skills and how to apply them. They can prepare for a future career.

9.3 Limitations of the Work

Due to time shortage for an internship program, there is still a lot of work that is to be done as I had planned earlier like adding the admin panel part inside the app.

9.4 Conclusion

A very nice initiative to assist individuals to be able to enjoy banking from the comfort of their home. It is a great way to enjoy mobile banking through an app from anywhere customers want. They no longer have to wait in lines for a simple transaction. They can simply use their smartphone for these tasks. Once again many thanks to my supervisor, Mr. Mohammad Motiur Rahman for assigning this project to me and my internship workplace supervisor, Mr. Ariful Islam. Technical comprehension was enhanced through this project. There are now a number of possibilities open to students who are interested in working in this field. Many public and private businesses hire app developers to work on online initiatives and develop apps. As a result of the online industry's rapid expansion and the increased demand for app designers, there

will be several career prospects for hopefuls in the upcoming years. An expert in this subject can also work independently as there are numerous internet businesses that offer freelancing employment to people.

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An Undergraduate Internship/Project on your Topic

By

Kazi Qurmatul Anne
Your Name

Student ID: yourID
1730867

Summer, 2022

Consent Form

The student modified the internship final report as per the recommendations made by his/her academic supervisor and/or panel members during final viva, and the department can use this version for archiving.

Mohammad Motiur Rahman (19th Sept, 2022)
(Signature of the Supervisor)

Mohammad Motiur Rahman
Name of the Supervisor

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