**BBank** is an application that provides services similar to banking. We can say that this application is an online banking emulator.

Important note: This application is not an official application of any bank. This app is just a pet project. And it has a non-commercial character.

Below is an application guide that describes in detail how the application works.

# Content

TECH STACK	3
DATABASE STRUCTURE	4

# TECH STACK

- Kotlin (v 1.9.0)
- Jetpack Compose (compose bom version 2024.04.01)
- Jetpack destinations (Raamcosta) (v 1.10.2)
- Leak Canary (for debugging)
- Koin(v 3.5.6)
- FirebaseDatabase (v 21.0.0)
- FirebaseAuth(v 21.3.0)
- Gson(v 2.9.0)
- Google Maps
- Retrofit(v 2.11.0)
- OkHttp(v 4.12.0)
- Retrofit Cache (v 1.0.0)
- Secrets plugin(v 2.0.1)
- MVI
- SOLID
- Clean architecture
- JUnit(v4.13.2)
- Mockito(vv5.15.2)
- Koin Test(v4.0.2)

# **DATABASE STRUCTURE**

To use the app. You need to create your own project via the Firebase Console, connect the Firebase Database utility there and create tables with the appropriate structures.:

Common structure:

```
https://fastbanking-d98db-default-rtdb.firebaseio.com/
accounts
app_verison
appliances_cards
appliances_credits
appliances_deposits
bank_news
cards
credits
maps_data
test
transaction
users
```

Accounts:



# App\_version:

```
app_verison

updateDate: "1743684403038"

verison: "1.0.0"

versionUpdates: "First version of the app. No updates)"

appliances_cards
```

Appliances\_cards:

```
appliances_cards
    -OQ8HuCKtvuCUoJeq5Fj
        currencyCode: "AMD"
        dateOfAppliance: "1747133898952"
        detailedCardApplianceType: "REISSUE_PAYMENT_CARD"
        id: "-OQ8HuCKtvuCUoJeq5Fj"
        newAccountNecessary: "false"
        salaryCard: "true"
        selectedOffice
            address: "Skarini"
            workingTime: "10:00-20:00"
        status: "Waiting"
        system: "Visa"
        type: "Dedut"
        userId: "1111111111111A"
        virtual: "false"
```

## Appliances\_credits

Appliances\_deposits:

```
appliances_deposits

-OQ8IDcuaQ0Nke1PxA26

currencyCode: "AMD"

dateOfAppliance: "1747133982638"

detailedDepositApplianceType: "URGENT_DEPOSIT"

id: "-OQ8IDcuaQ0Nke1PxA26"

minimumContribution: "22.0"

period: "1"

procent: "1121.0"

selectedOffice

address: "Skarini"

workingTime: "10:00-20:00"

status: "Waiting"

userId: "111111111111111
```

## Bank\_news:

```
bank_news

1
author: "A.A.AA"
creationDate: "1743684403038"
id: "1"
imageUr1: "https://plus.unsplash.com/premium_photo-1664474619075-644dd191935f?w=500&auto=format&fisRecommended: "true"
mainText: "jskcnjkndccnskjdccnkjs|dcnkjsdnckjsdnckjsndckjnsdckjnsdckjnsdcknsdckn"
reference: "https://tech.onliner.by/2025/04/03/filmy-aprelya-2025"
synopsys: "First synopsis"
title: "First title"
```

Cards:



#### Credits:

## Maps\_data:

```
maps_data

1
address: "Nezavisimosti"
latitude: "53.932609"
longitude: "27.645291"
type: "Atm"
workingTime: "8:00-19:00"
```

#### Transaction:

```
Transaction

-ORzBzeZ4V91NHX6nmcQ

currency: "byn"

date: "1749112052277"

details: "From botis abenn to 5555666677778888"

id: "-ORzBzeZ4V91NHX6nmcQ"

priceAmount: "100.0"

receiverId: ""

senderId: "11112222333334444"

type: "P2P"
```

#### Users: