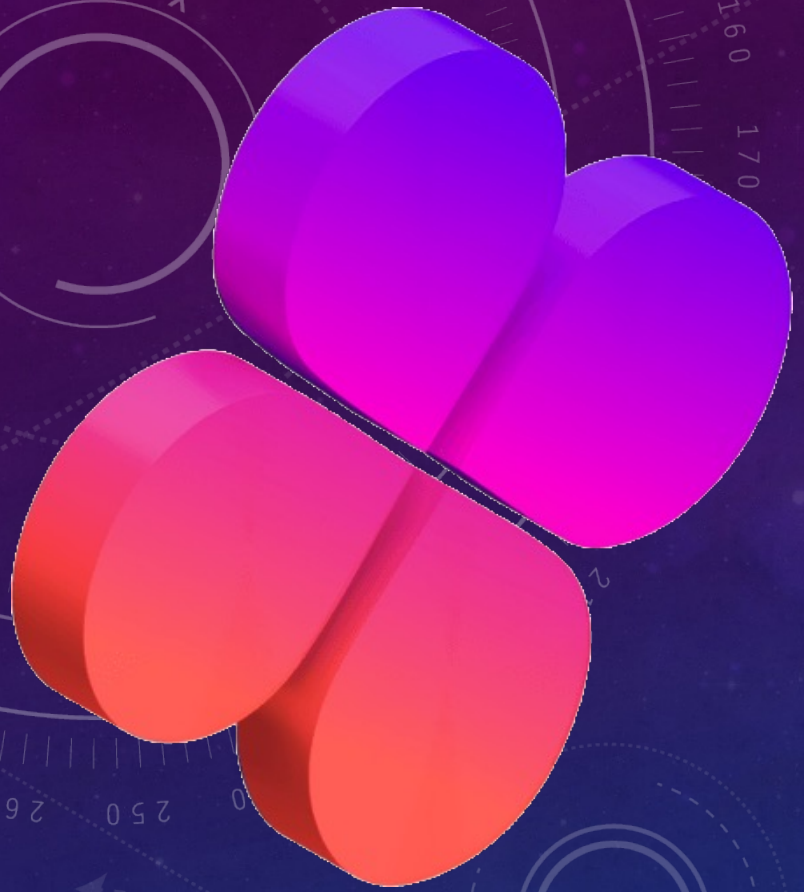


WAPP

# WHALE APPLICATION

SYNTERNET TRANSACTION ALERT

https://github.com/daviderota/SynternetTransactionAlert

# SUMMARY

1) OBJECTIVE
2) BUSINESS REQUIREMENT
3) PROJECT
4) CONFIGURATION

# OBJECTIVE

Develop an application that notifies the user of important transactions on the ETH and SOLANA networks.

WApp => Whale Application

# BUSINESS REQUIREMENT

- **SIMPLIFY BLOCKHAIN ACCESS**

Start and configure the application easily.

- **PROVIDE IMMEDIATE INFORMATION**

Obtain quick information through the Synternet Data Layer.

- **IMPROVE EXPERIENCE**

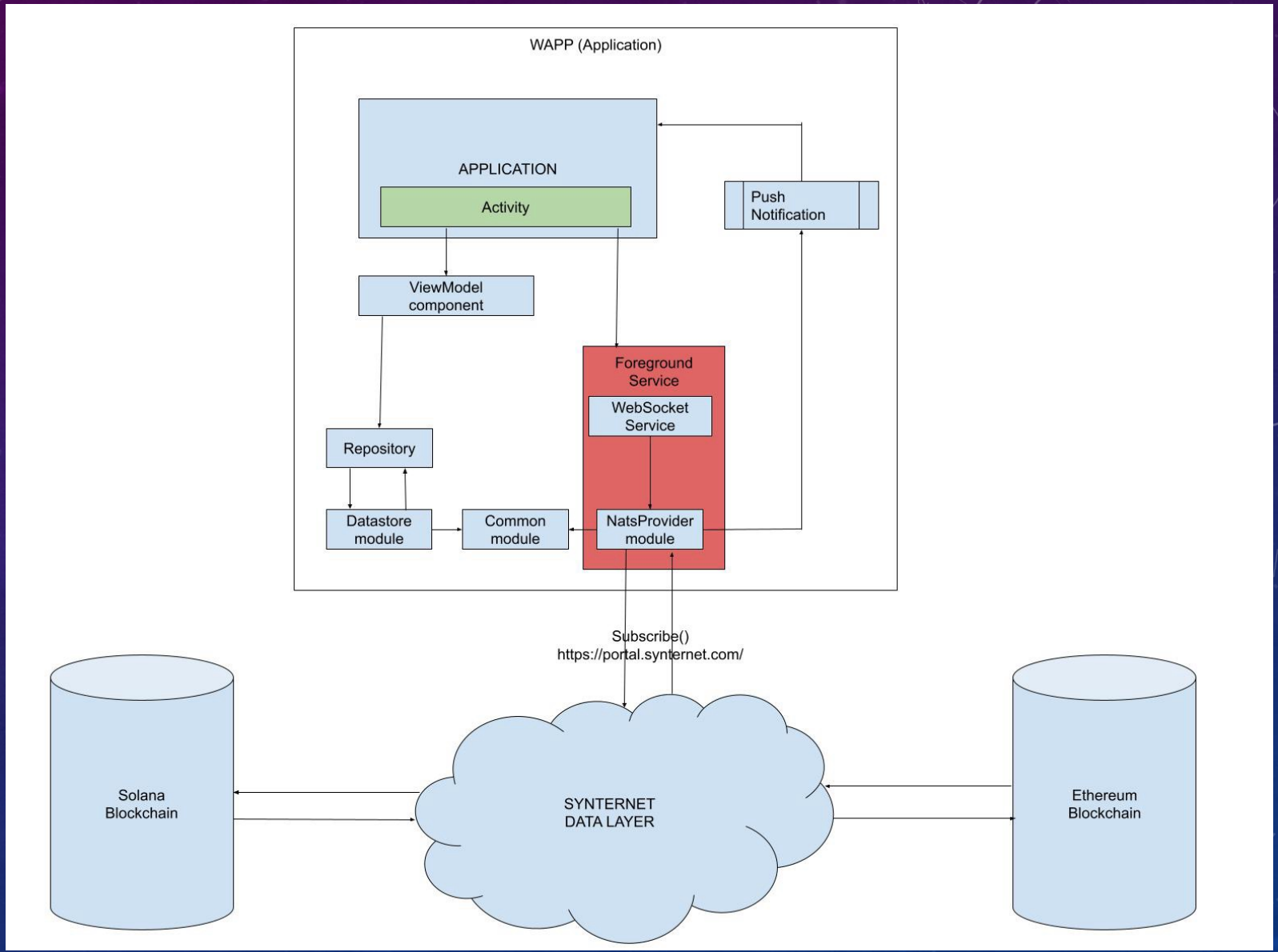
Enhance the user experience with a beautiful, engaging, and modern app.

- **USER CONFIGURATION**

The user can configure the app according to their preferences

# PROJECT (1/2)

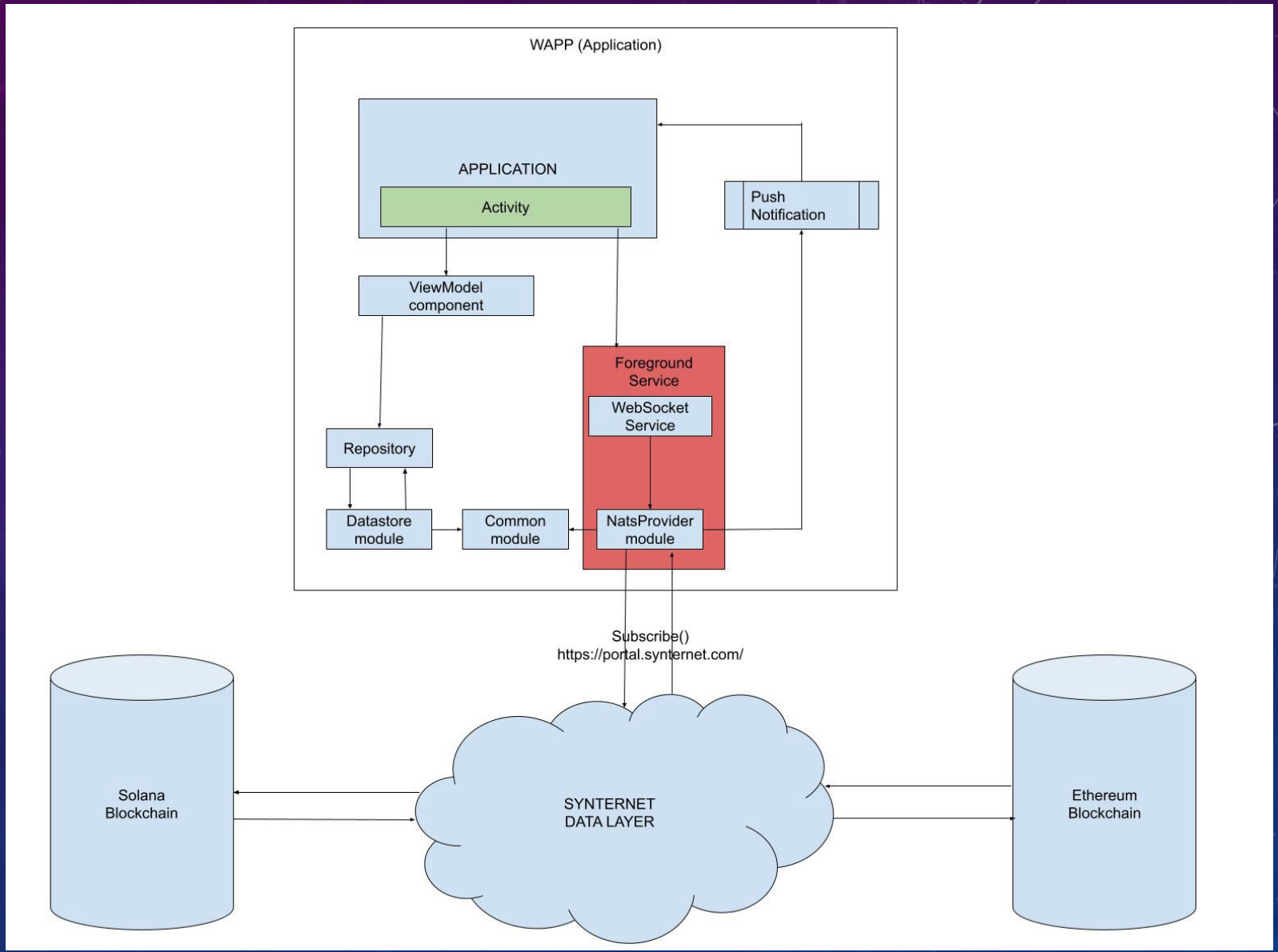
The application is installed on any Android smartphone and has been developed following the clean architecture paradigm.
The application consists of a UI layer that manages the data presentation and a ViewModel layer that handles the business logic.
The ViewModel interacts with various modules, namely: the Repository and the DataStore, which are used to save the configuration data of the Data Layer, and the foreground service called WebSocketService, which is responsible for establishing the NATS connection to the Data Layer and transmitting the subscribed stream data.



# PROJECT (2/2)

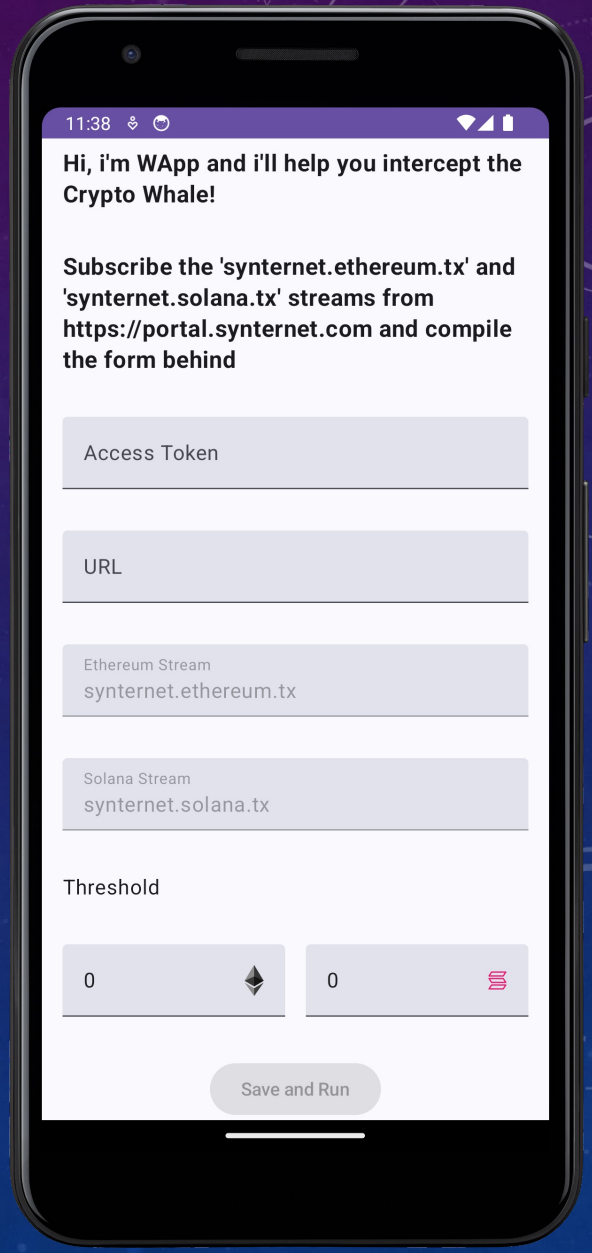
When data arrives from the Data Layer through DAO (Data to Object) logic, the user-defined threshold is checked. If the amount of ETH or SOLANA moved exceeds the threshold, a push notification is generated for the user.

The user can click on the push notification to open the transaction details



# CONFIGURATION

The user can configure the application by entering two parameters: access token and NATS URL.
The access token is generated from the website https://portal.synternet.com and the NATS URL is provided in the official Synternet documentation (https://docs.synternet.com/build/dl-access-points).
The two streams are predefined and cannot be changed.
The last two parameters are the thresholds above which a push notification is triggered



# CREDITS

Project: https://github.com/daviderota/SynternetTransactionAlert
Kotlin Pub Sub certificated library: https://github.com/daviderota/syntropy-pubsub-kotlin

The End