

WAPP

WHALE APPLICATION

SYNETNET TRANSACTION ALERT

<https://github.com/daviderota/SynetnetTransactionAlert>

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 BLOCKCHAIN ACCESS**

Start and configure the application easily.

- **IMPROVE EXPERIENCE**

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

- **PROVIDE IMMEDIATE INFORMATION**

Obtain quick information through the Synternet Data Layer.

- **USER CONFIGURATION**

The user can configure the app according to their preferences

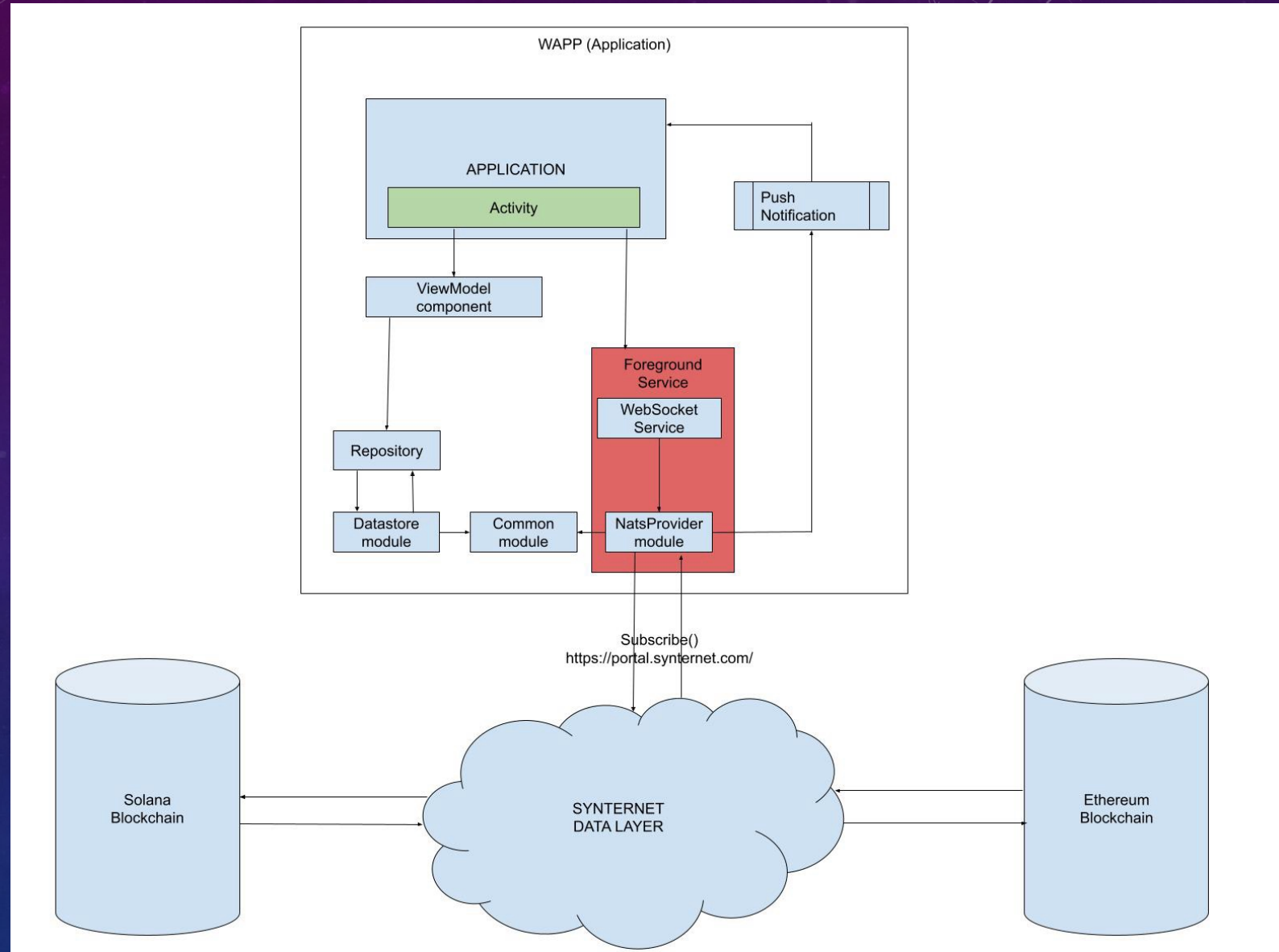


PROJECT (1/2)

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.

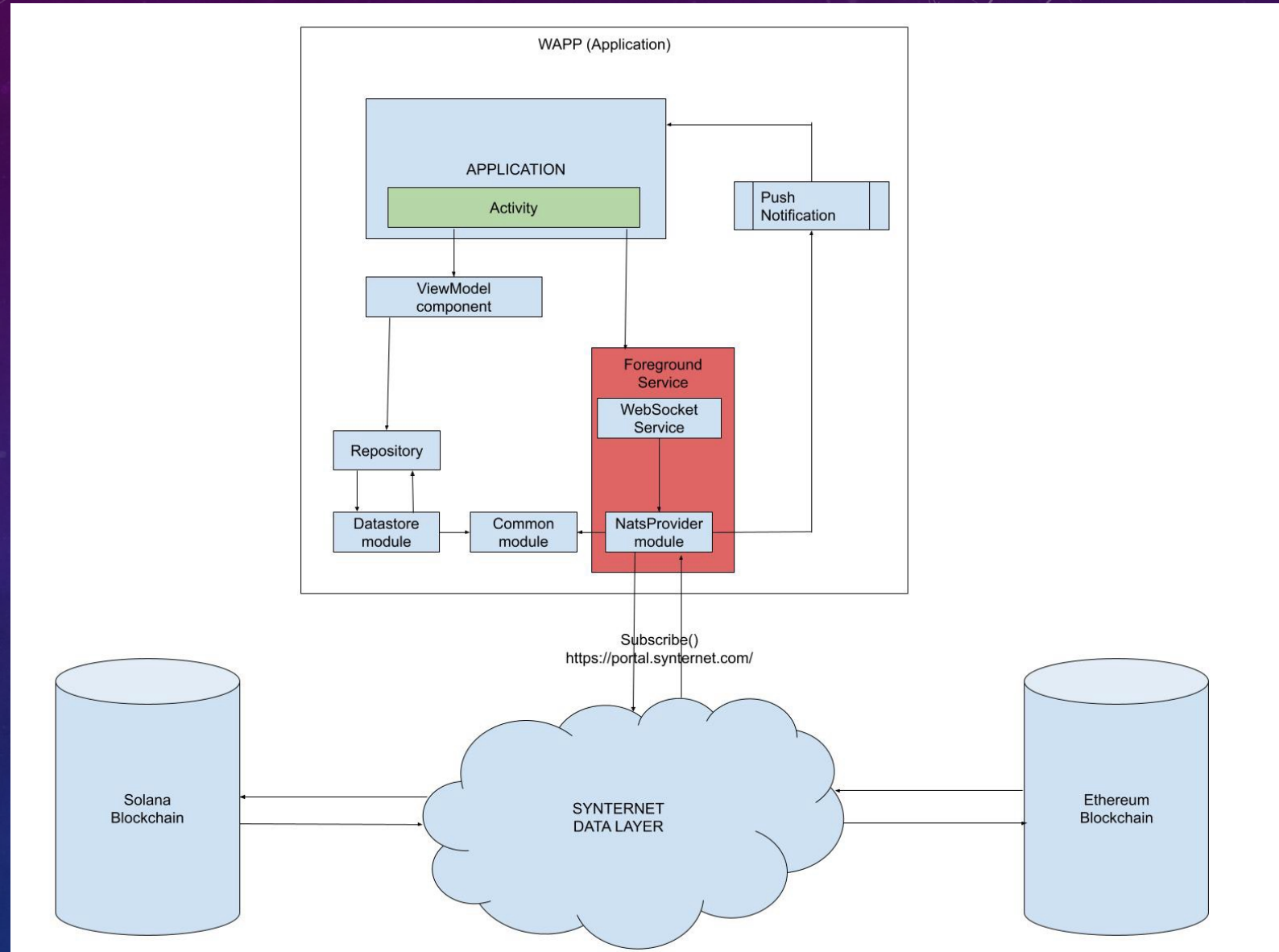
The ViewModel interacts with various modules, namely: the Repository and the DataStore, which are used to save the configuration data of the Data Layer, and the foreground service called WebSocketService, which is responsible for establishing the NATS connection to the Data Layer and transmitting the 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



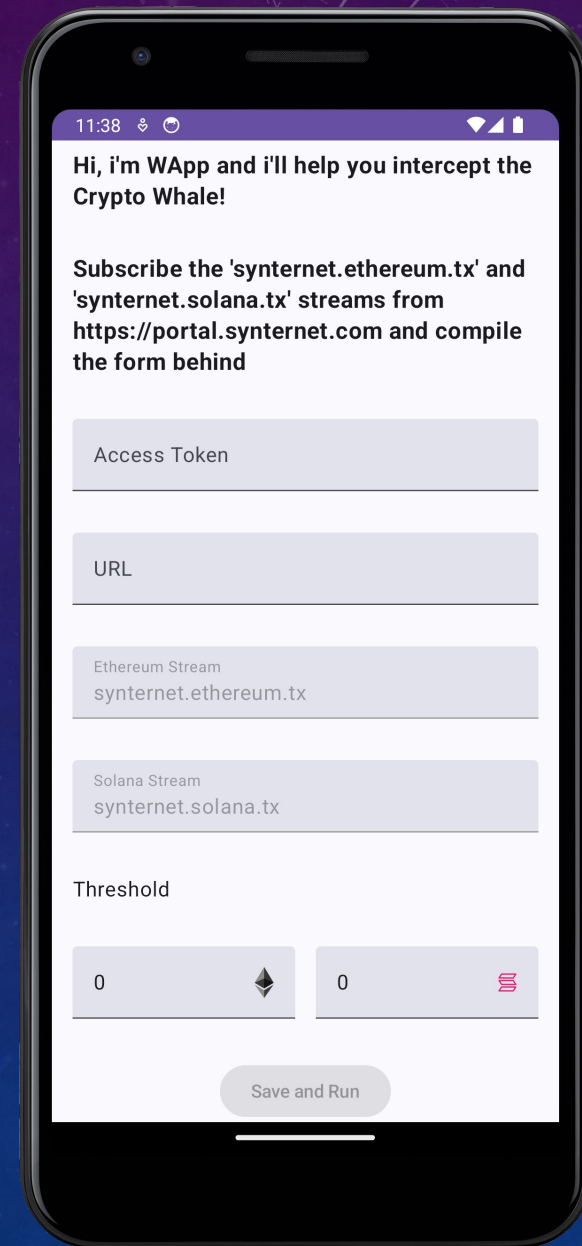
CONFIGURATION

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



The image shows a smartphone screen with a configuration interface. At the top, the status bar shows the time 11:38 and various icons. Below the status bar, a message reads: "Hi, i'm WApp and i'll help you intercept the Crypto Whale!". This is followed by instructions: "Subscribe the 'synternet.ethereum.tx' and 'synternet.solana.tx' streams from https://portal.synternet.com and compile the form behind". The form consists of several input fields: "Access Token", "URL", "Ethereum Stream" (pre-filled with "synternet.ethereum.tx"), and "Solana Stream" (pre-filled with "synternet.solana.tx"). Below these is a "Threshold" section with two input fields, each containing the number "0". The first input field has a diamond icon (Ethereum) and the second has a flag icon (Solana). At the bottom of the form is a "Save and Run" button.

11:38

Hi, i'm WApp and i'll help you intercept the Crypto Whale!

Subscribe the 'synternet.ethereum.tx' and 'synternet.solana.tx' streams from <https://portal.synternet.com> and compile the form behind

Access Token

URL

Ethereum Stream
synternet.ethereum.tx

Solana Stream
synternet.solana.tx

Threshold

0 0

Save and Run

CREDITS

Project: <https://github.com/daviderota/SynternetTransactionAlert>

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

The End