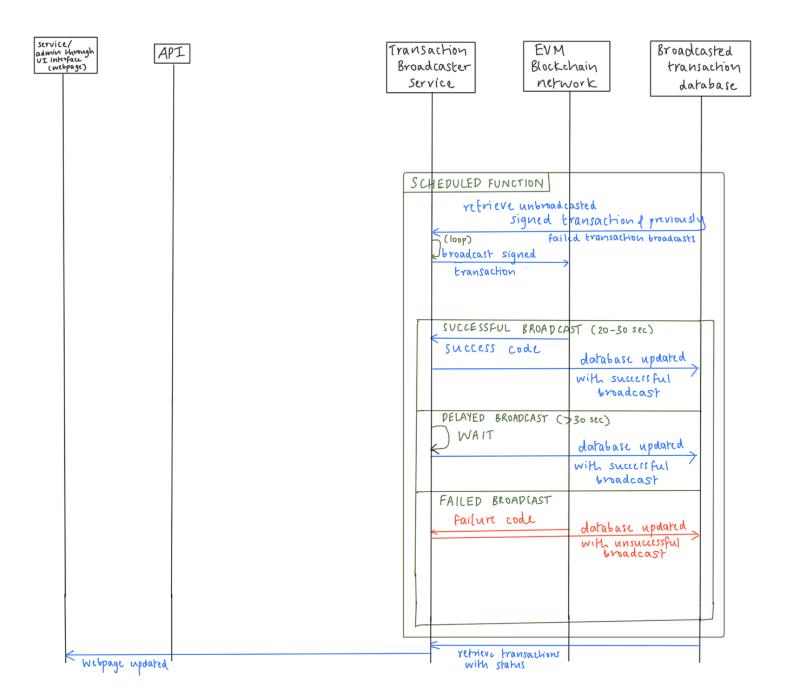


The API endpoint can be invoked by a service or through the webpage UI by the admin. Webpage displays all the transactions stored in the database along with its status.

The API provides an endpoint for signing and broadcasting the transaction. Transaction broadcast service is responsible for signing and storing the transaction in the database for further processing. API endpoint returns 200 OK status code when the transaction broadcast service successfully signed and stored it in the database.

When the API endpoint receives invalid request, then 400 BAD REQUEST is returned to the caller.

If transaction broadcast service is unable to sign or store the signed transaction in the database, API endpoint returns 500 INTERNAL SERVER ERROR.



Scheduled function in the transaction broadcast service retrieves all the un-broadcasted and previously failed broadcast transactions, it loops through all the transactions and broadcasts it to EVM blockchain network.

## SUCCESS:

Transaction broadcast to EVM blockchain network is successful within 20-30 seconds.

## **DELAYED BROADCAST:**

Transaction broadcast to EVM blockchain network is delayed but successful after 30 seconds. In this scenario transaction broadcast service waits for response from EVM blockchain network.

## FAILED BROADCAST

Transactions are unable to be broadcast to the EVM blockchain network. It will be picked up by the scheduled function for retry.

Database stores signed transactions along with its broadcast status.

The transaction broadcast status is updated in the database in all the above cases. The webpage is also updated accordingly.