POS PAYMENT FROM CARD TO M-PESA

Dismantling the infrastructure

SUMMARY

Currently its possible to make payments from M-Pesa to other entities via POS, but unfortunately the reverse its not supported, So currently there is no credit and only debits for the above stated flow.

We Believe that bringing POS payment from other entities will bring the following benefits
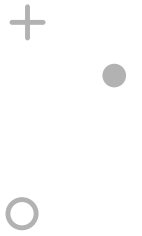
THE GOAL

Simplify user experience

Improve customer loyalty

Increase revenue streams

HINDRANCES

Expenses

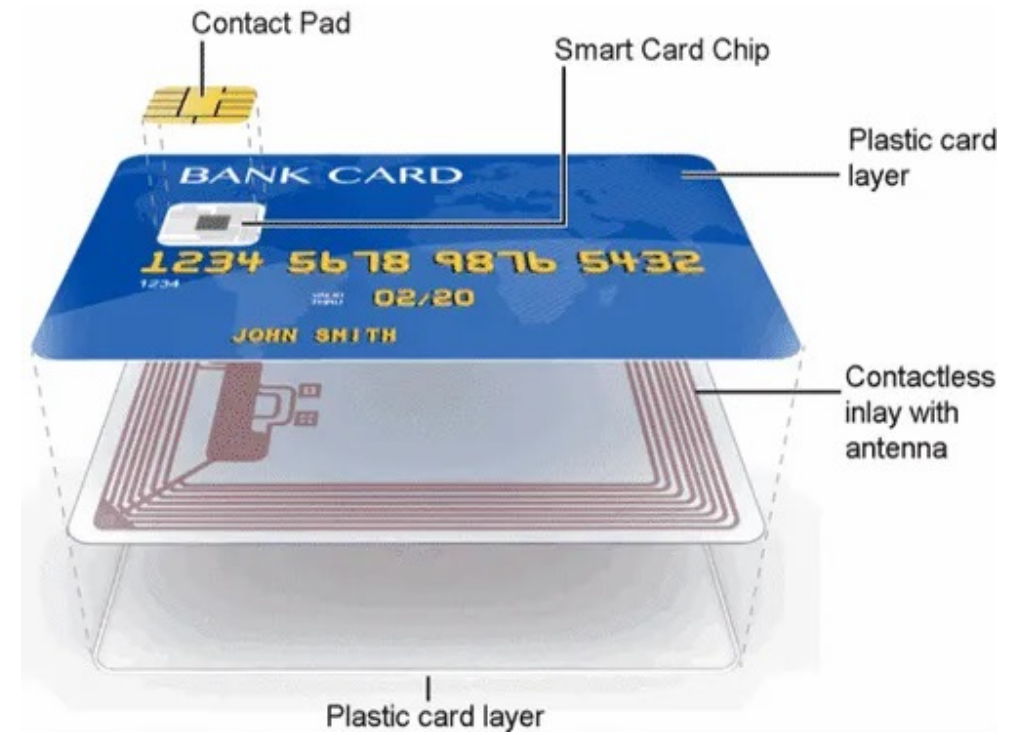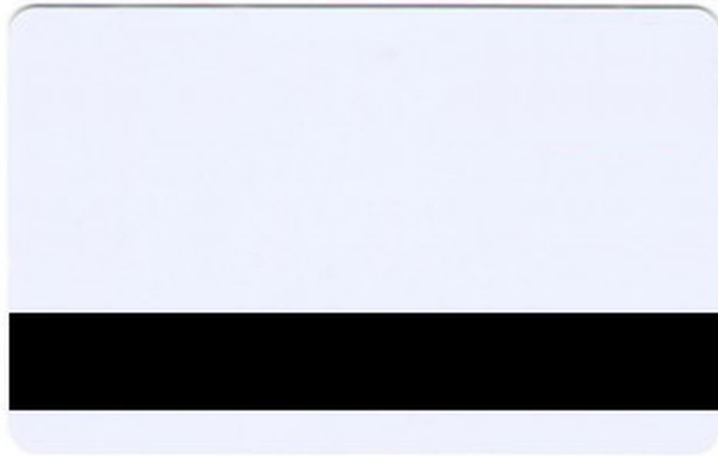Technical Skills

Current Infrastructure

CONTEXT

The Governor of the Central Bank, Rogério Zandamela, announced that all commercial banks are now fully integrated into the new platform, including Electronic Money Institutions. "SIMOrede's new processing platform has the advantage of offering a diverse range of products and services, both new and old, with emphasis on interoperability between Electronic Money Institutions, banks and other financial service providers," he said. He highlighted that this is the transition from the Single National Electronic Payment Network to the new electronic payment processing platform, provided by Euronet, which, according to Zandamela, is at a very advanced stage.

"With the new platform we were able to comply with the international mandates of payment systems, which impose CONTACTLESS technology for all bank cards and POS terminals, a technology that offers greater security and convenience for users", he highlighted.

Contact Pad

Smart Card Chip

Plastic card layer

BANK CARD

1234 5678 9876 5432

02/20

JOHN SMITH

Contactless inlay with antenna

Plastic card layer

HARDWARE COMPONENTS

SMART KICKA

Plan 1

Only
R299.00

SMART KICKA

At MPesa, we have easy access to the Smart Kicka, developed by Vodacom, which supports NFC technology at a frequency of 13.56 MHz. This accessibility allows us to develop POS (Point of Sale) solutions leveraging NFC capabilities. NFC facilitates contactless payments and data exchange between devices, utilizing protocols like NFC Data Exchange Format (NDEF) and ISO/IEC 14443. With the Smart Kicka, we can create secure and efficient POS systems, enhancing the payment experience for both merchants and customers.

MINI PRINTER

Plan 2

<u>Only about 16$</u>

MAGNETIC STRIPE READER

Plan 3

Only about 16$

MAGNETIC STRIPE READER

Using a magstripe adapter with the Smart Kicka allows you to swipe magstripe cards through the adapter connected to the device. The adapter reads the card data, which is then processed by the POS application on the Smart Kicka to complete transactions. This expands the device's capabilities for accepting payments from customers with magstripe cards, enhancing its utility as a POS solution.

ENV CHIP CARD READER

Plan 4

SOFTWARE