

#Mojacamp

The DFS Lab Hackathon-ish, design sprinty event we ran in April

Agenda

- DFS Lab Intro
- The Hackathon
- Some "technical" briefs
- What's next





The DFS Lab in <280 Characters

The DFS Lab mission is to work with the best FinTech companies in Africa and South Asia and play a meaningful role in their success.

We invest in early-stage FinTech companies and work on ecosystem initiatives in the FinTech space.



Everyone Has "Customers"

- Hub Operators → DFSPs
- DFSPs → Individuals, businesses
- FinTechs → Individuals, businesses, etc... (sometimes to fill an unmet need in DFSP services)
- Interoperability & Mojaloop will affect everyone's customers and we wanted to test how this community could engage and benefit from working with 3rd parties, i.e. Not a hub operator or implementing DFSP





The Hackathon

Participants





















Mentor Representatives



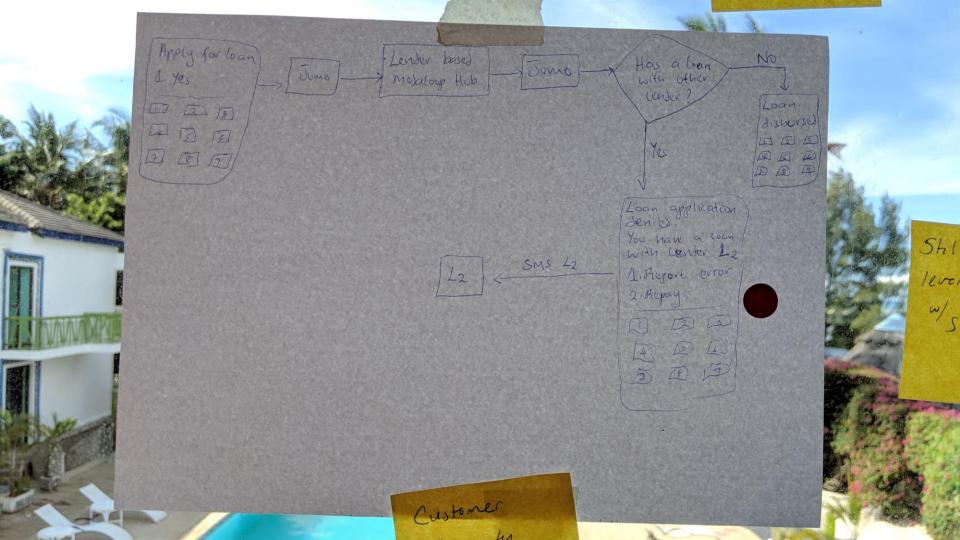












The Format (Days 1 & 2)

Introduction to Mojaloop

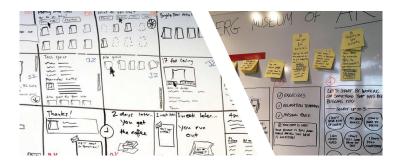
Technical Intro

Design Sprint

• Bring participants "to the users"

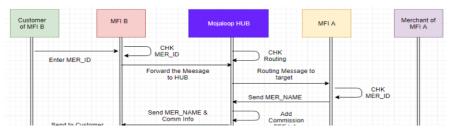
Outputs:

- Storyboard (UI/UX)
- Process Maps





Process Flow



The Format (Days 3&4)

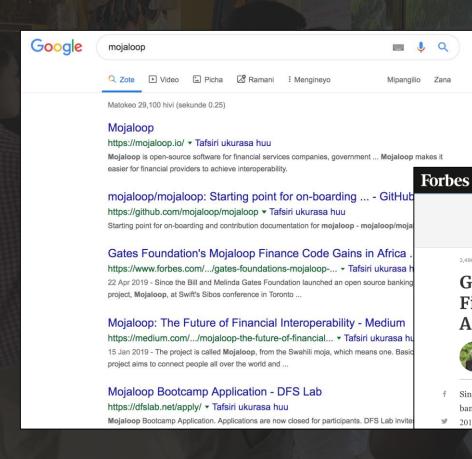
Build

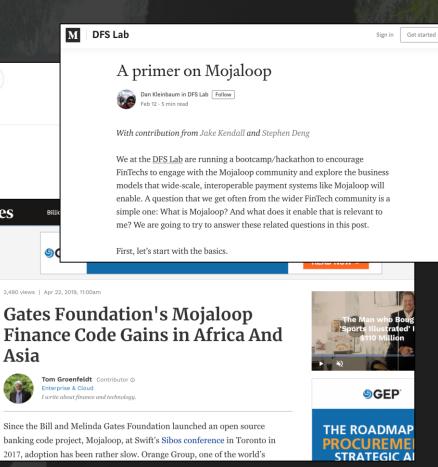


... and then demo!

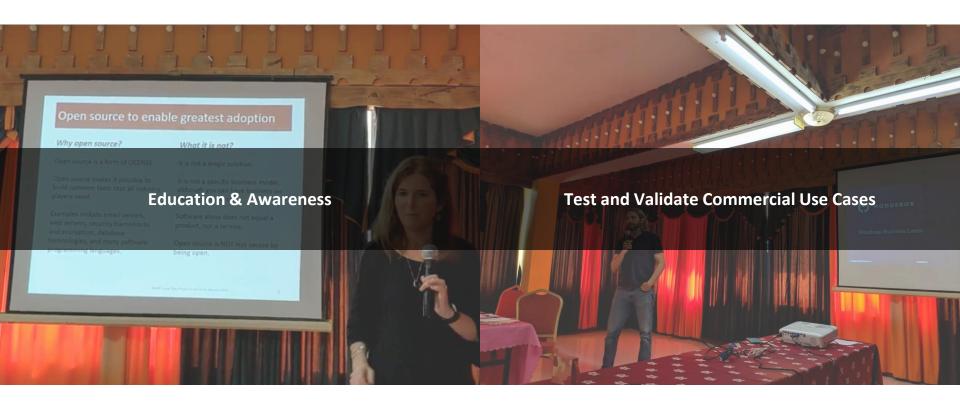


Outreach & Communications





Why run a hackathon?





Participants







- Interoperable 'agent' networks
- **Potential Hub Operators**
- "Will Mojaloop work for me?"



- Lending markets/credit reference bureau
- 3rd party FinTechs
- "How can Mojaloop/L1Ps be applied outside of payments?"



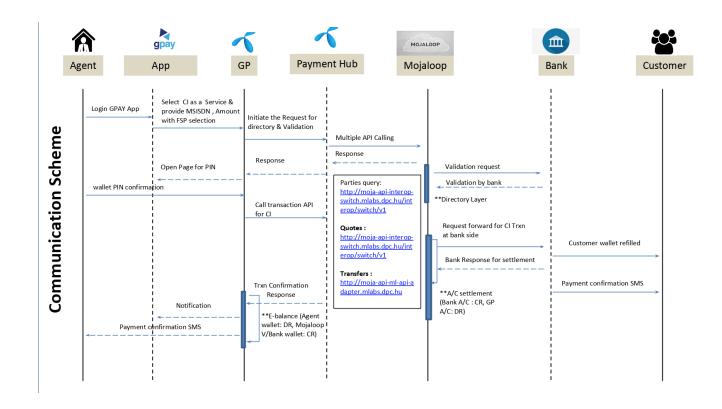
- Consumer-facing products
- 3rd party Fintechs
- "[How] does Mojaloop change my life?"



Hub Operator (kind of)



Core Goal: Connect the gap between 50mn bank accounts, 67m MFS wallets and 1m agents all in disparate systems. Currently, 6 large banks are on board, but the 53 remaining banks present a large logistical and technical hurdle to on-board.



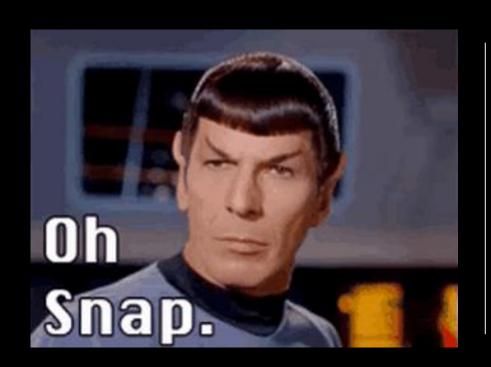


Questions & Opportunities:

- A lack of settlement API on the sandbox did not give them confidence that they could meet their performance requirements
- What do you do with a person with multiple accounts at different FIs all linked to one MSISDN?

High Note: There is an acute need to figure out how to integrate a large number of providers and build a switching platform and the GrameenPhone team is pursuing a pilot



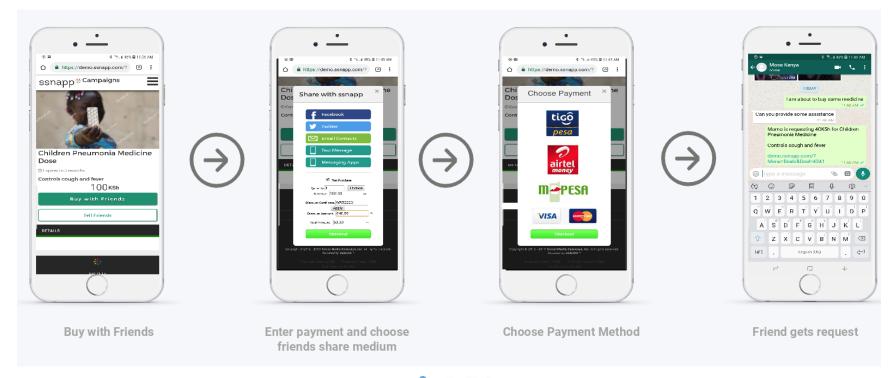


Mojaloop and e-commerce



Core Goal: Enable anyone to buy and sell anything, from anywhere

Mojaloop Goal: Merge multiple payments from payees on multiple DFSPs to a single merchant request.







Hurdles:

The sale of any type of good under L1P would require the ability to do bilateral "interchange" between merchants and the producers of goods for commissions, and the buyer of a product to make a payment and have it split between the merchant and the buyer. This requires two things:

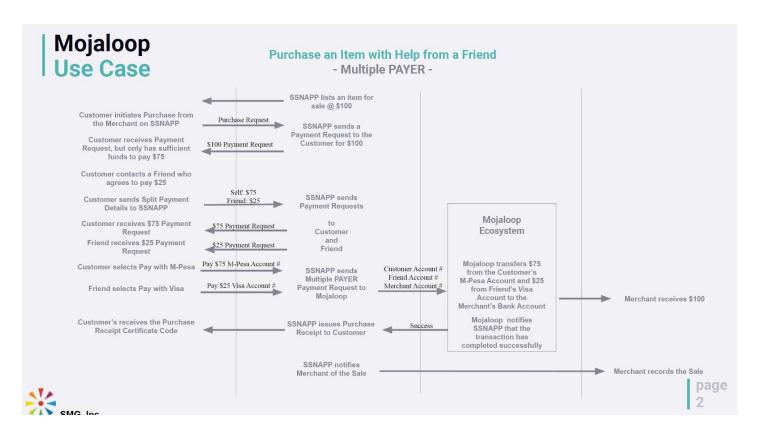
- 1. Split-payment from one payee to multiple recipients.
- 2. Multiple-quote combination





Get "buy" with a little help from a friend

(Note: This is not an API call)

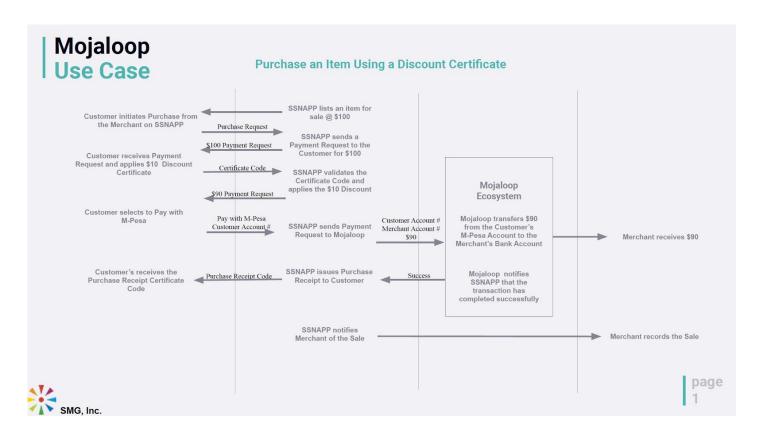






Promotional Discounts:

"Refer a friend to Mojaloop and get \$10 off!"



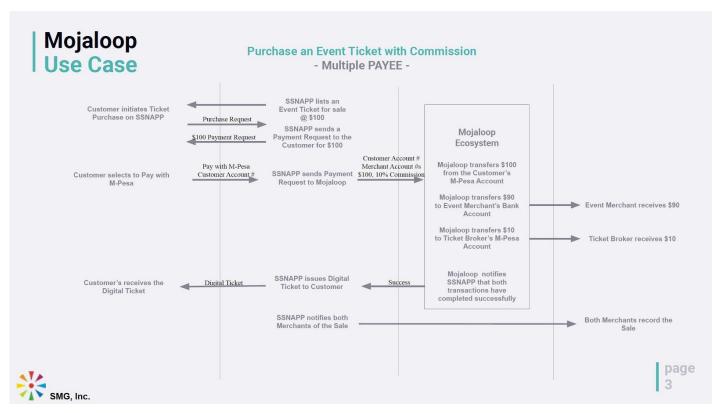




Commission-based reseller model

"Get 10% of whatever products you sell"

(Note: This is not an API call)

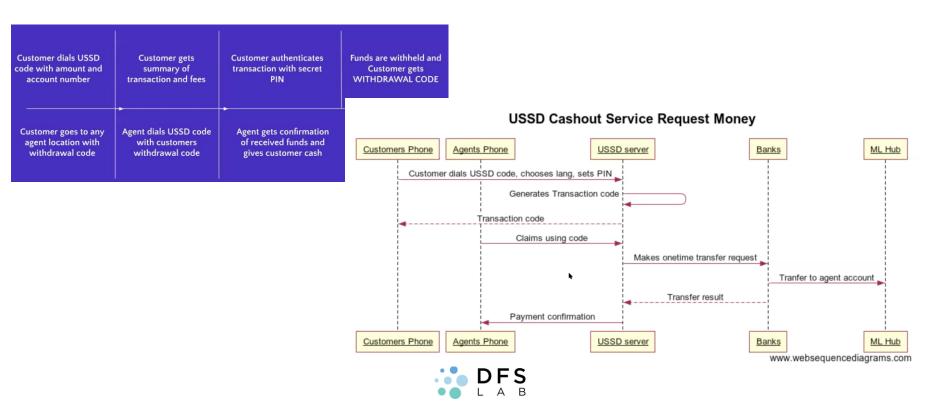




Core Goal: To provide DFS to the under-banked by expanding beyond digital loans.



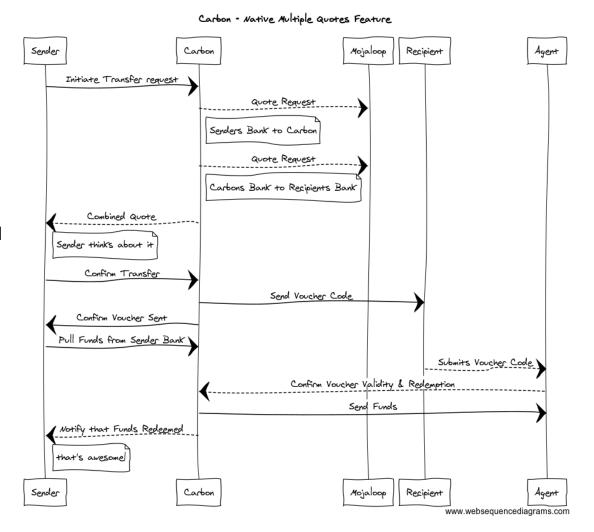
Mojaloop Goal: Demonstrate how a customer can redeem a voucher from any agent on their network through a Mojaloop deployment





What Carbon Wants:

- Multiple Quote Combination
- "Digital Scratch card" for non-real time voucher redemption
- From the ATM Conversation, is a "really long timeout" the best solution for this?



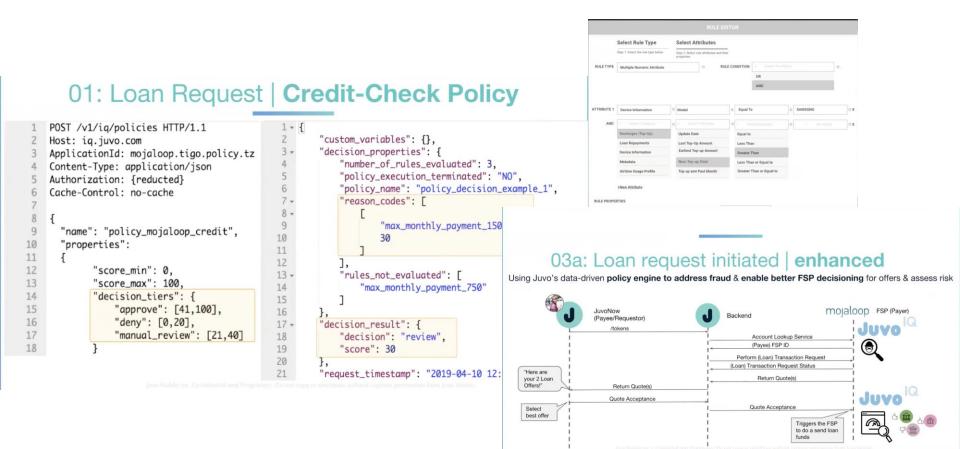


How Mojaloopy can it get?



Core Goal: Offer equitable finance services to mobile-only customers

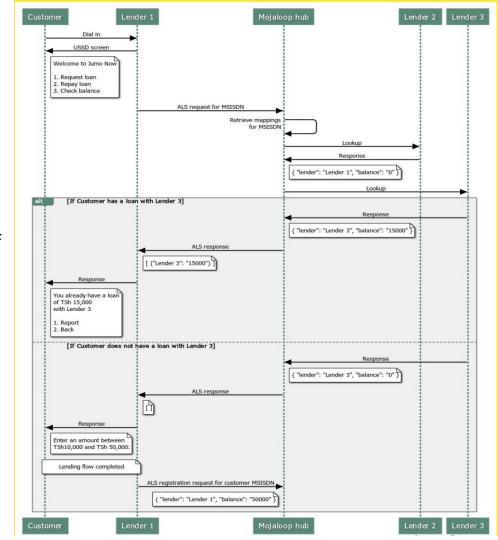
Mojaloop Goal: Build out a credit marketplace on top of a Mojaloop deployment





What Juvo would want:

- Currency utility for cross-border use-case
- Merchant directory for merchant-payments use case
- Enriched FSP directory where we have a list of services and products the FSP can provide.
- Metadata
- Ability to deploy a local instance of Mojaloop as part of the workshop requirements





Opportunities, Questions & Challenges:

- What would the Level 1 Principles look like applied to lending?
- How do we want to allow metadata to be incorporated into "add-on" use cases like lending marketplaces?
- Why async vs. sync API requests?
- Zero-knowledge proof system to allow lenders to share and validate data without having to violate privacy agreements or give up proprietary data presents an opportunity to create a fairer, more open and affordable lending market.

What else we kept hearing

Testing is Hard

- Documentation is outdated
- Async vs. Sync APIs
- Deploying a standalone instance is not trivial

Functional Requirements

- Settlement Performance Questions
- Security/Fraud Questions
- Regulatory Requirements Unfulfilled

Business Cases

- The questions to ask are clear
- The answers were not.

New Use Cases

- Multiple Addressing
- Split Payments -> multiple recipients
- Combine multiple payments → single authorization

"How does this work (or not) with L1P?"

Push ←→Pull Adaptation.



What's next

- Full Technical Briefs → GitHub
- Another hackathon (likely)
- Test a workbench strategy
- Generally, ask: who are our current customers? Who can be our customers? How will we need to serve them?





Did someone say containers?

Thanks!

More Info:

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