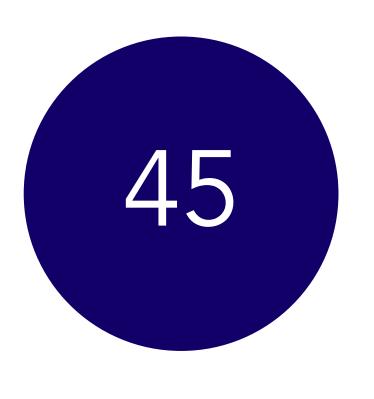
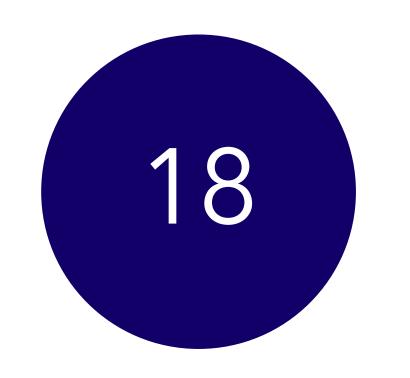
Scaling Horizons Leveraging Cloud Native Apps for geographical and cultural growth



People

That includes engineering team, customer support in 8 languages, sales, presales and consulting.



Countries

That we are currently operating, including LATAM, CIS, GCC and APAC.

who



Clients

Fortune 500
customers in Banking,
Insurance, Retail,
Telcos, CPGs, Energy,
eCommerce and
Automotive.



Growth

Year over year growth of both ARR and consulting services revenue.



awards







clients



Sberbank Banking



ENBD Banking



BNP Banking



Ahold Grocery



DBS Banking



MetLife MetLife Insurance



Uber Transportation



BP Gas Retail



T-Mobile Telco



Nestle ®
Good Food, Good Life





Mercedes Automotive



Starbucks Coffee



where



compliance









PCI-DSS Level 1

Certified for following Information security standards

ISO 27001:2013

Certified for following information security management system standards for both digital and physical security

Mastercard

MasterCard Start Path, growth accelerator and official partner with Loyalty, Push Payment and micro-merchants use cases

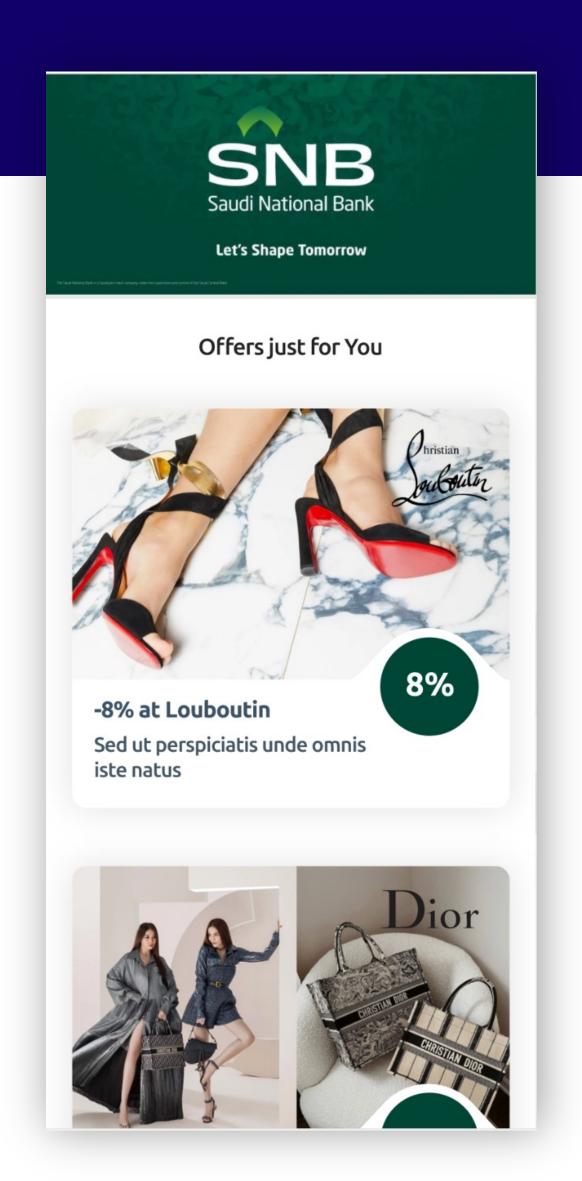
Cyber Insurance

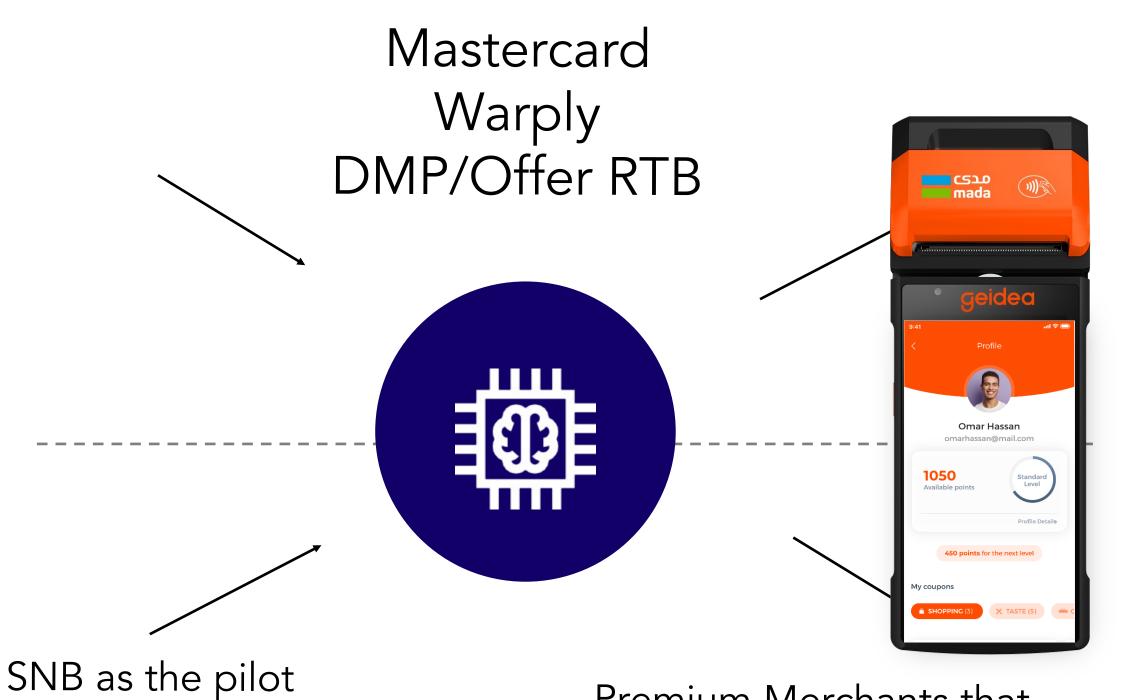
AIG insures our awarded cloud infrastructure against cyber security liabilities.





SAMA Compliance





Issuing Bank with

exclusivity of offers

to their customers.













Premium Merchants that will participate in the pilot and Warply has already relationships

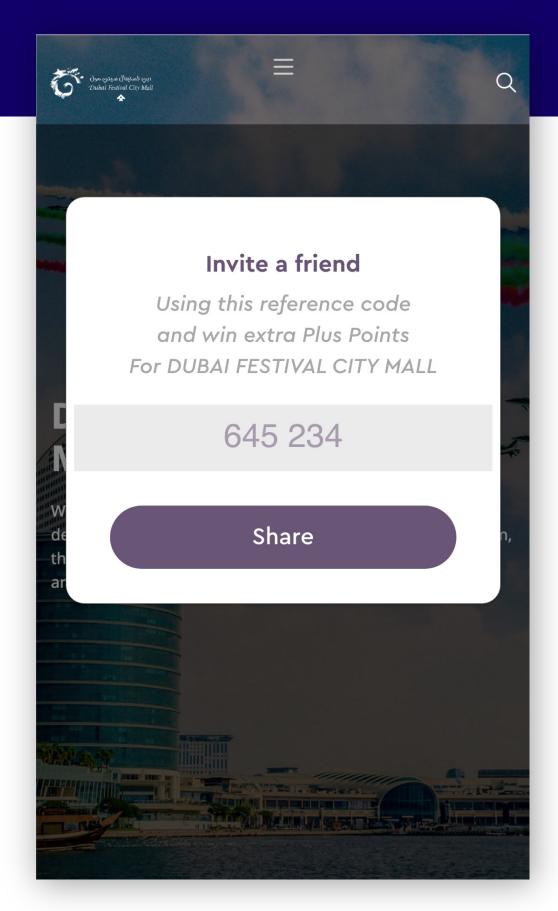




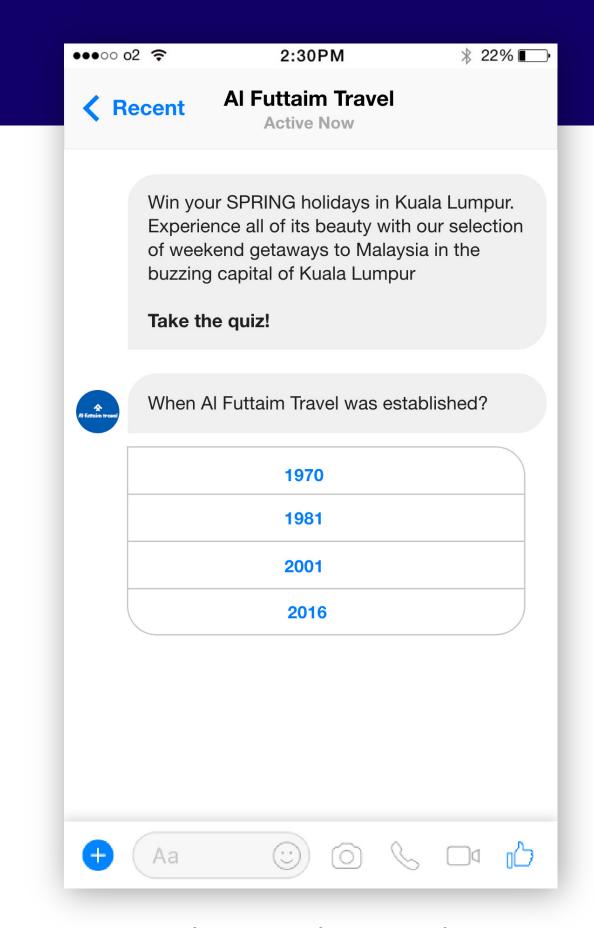
Al-Futtaim Cross Region Cases



Gamification campaign in Social with Plus Points as reward



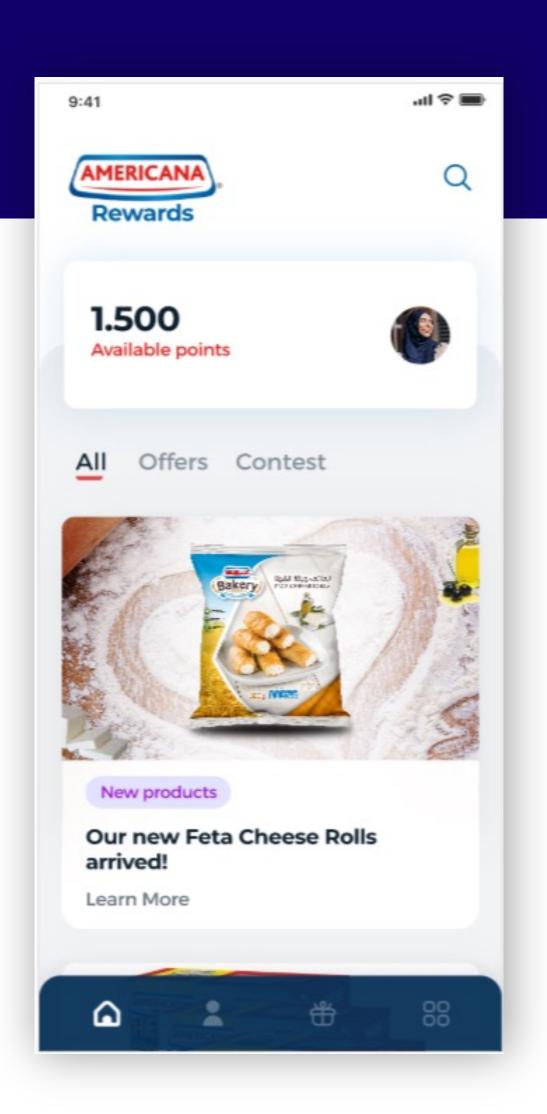
Affiliation campaign where each customer can invite a friend in the game

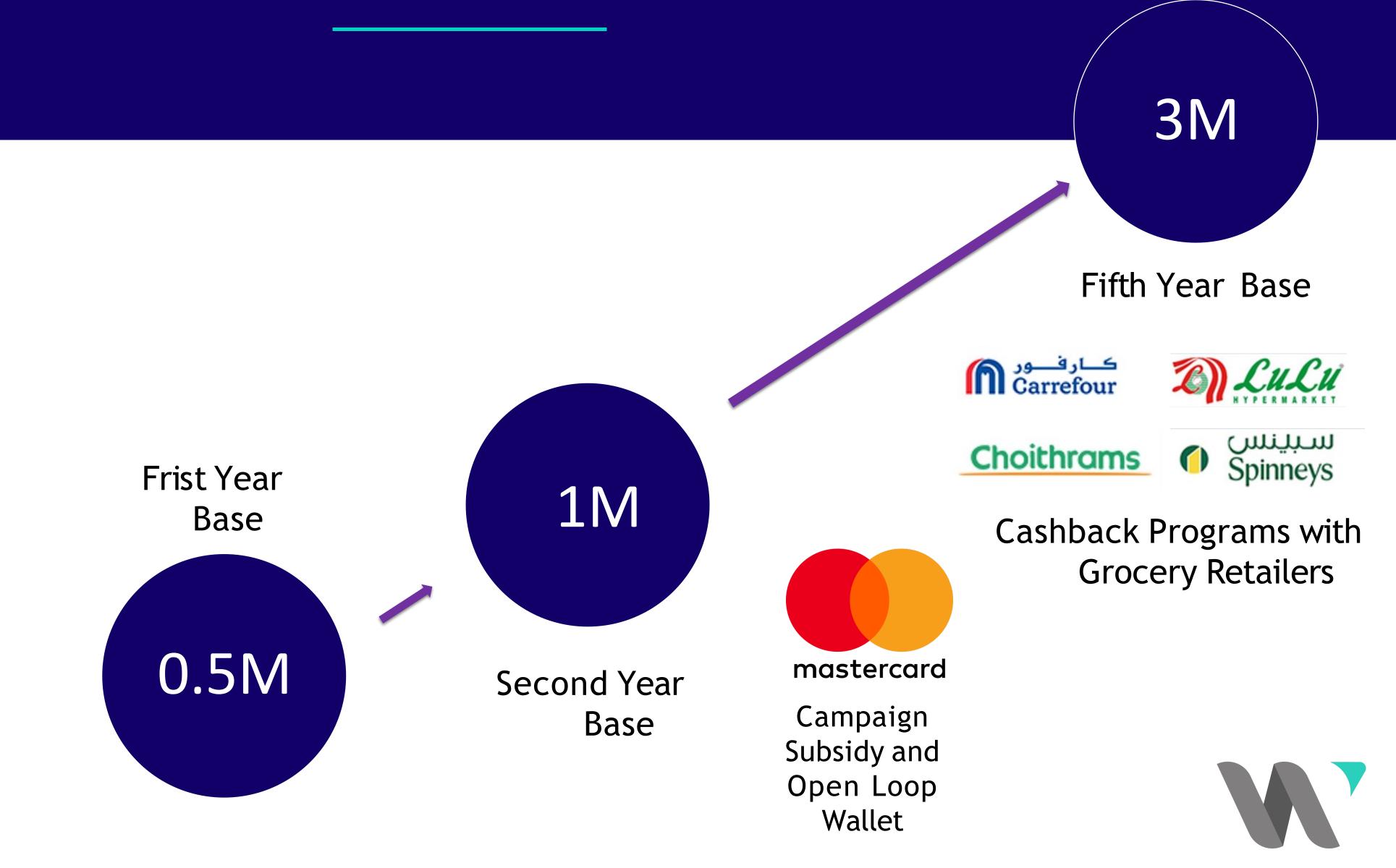


Product understanding chatbot quizzes enhance customer education



Americana and Retailers





Aramex and MC Send

Existing
Merchant
Acceptance
Flow



card

المشرق 🔌 mashreq

Bin Sponsor

Mashreq

Wallet Based
Social Merchant
Acceptance
Flow





PagSeguro and LGPD



- 1. Increase merchant retention and overall merchant value
- 2. Merchant education on marketing activities and value added services.
- 3. Consumer acquisition, since download will mean program registration.
- 4. Connect to innovation and improve all soft marketing KPIs.

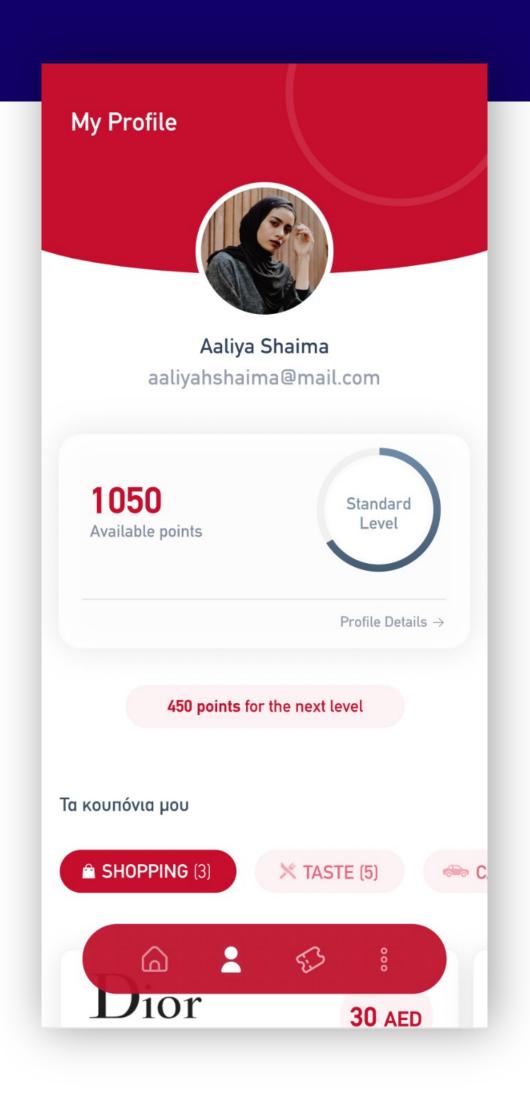


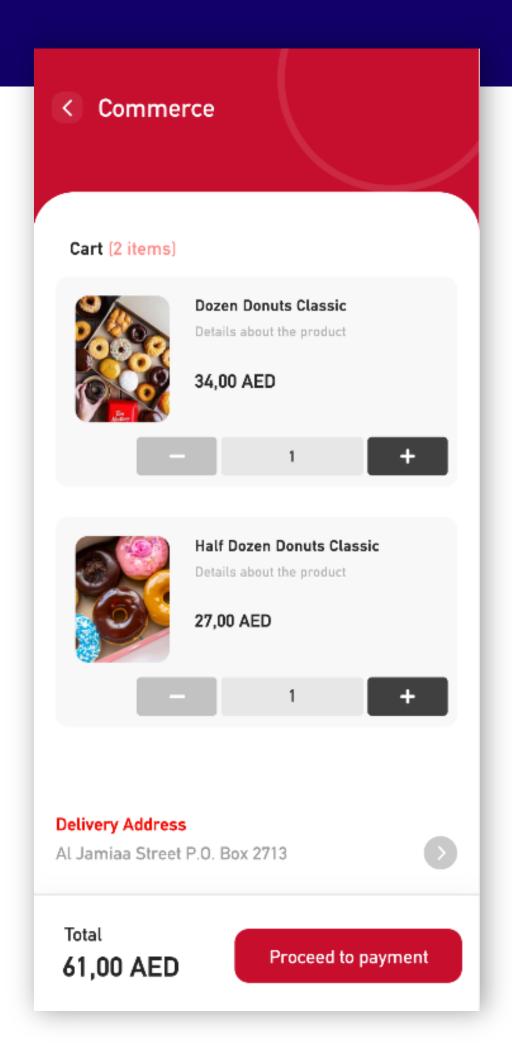
Merchants

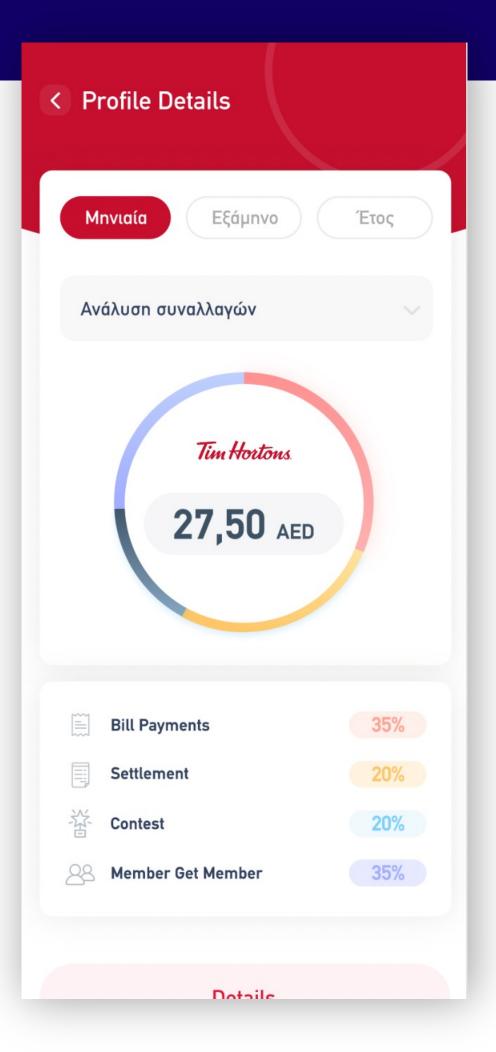
- 1. Customer acquisition of high value customers from a segmented database.
- 2. Aggregated data on their business performance.
- 3. Increase of customer value through increase of frequency of purchase and basket size.
- 4. Leverage offers from suppliers.

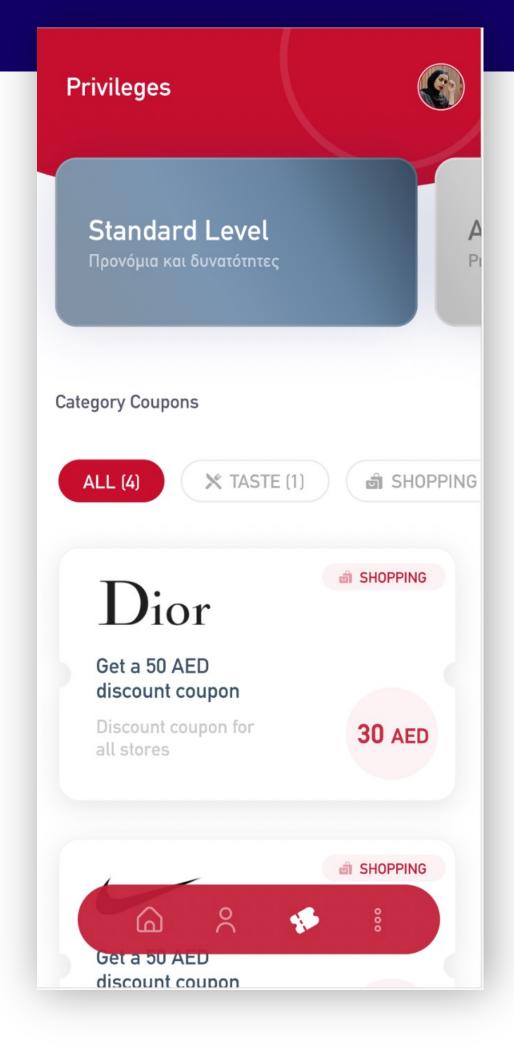


Tim Hortons and Multi-Currency Crypto









rag Ilms and data ownership

Input

G. The Maximum Prefix

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

You're going to generate an array a with a length of at most n, where each a_i equals either 1 or -1.

You generate this array in the following way.

- First, you choose some integer k ($1 \le k \le n$), which decides the length of a.
- Then, for each i ($1 \le i \le k$), you set $a_i = 1$ with probability p_i , otherwise set $a_i = -1$ (with probability $1 p_i$).

After the array is generated, you calculate $s_i = a_1 + a_2 + a_3 + \ldots + a_i$. Specially, $s_0 = 0$. Then you let S equal to $\max_{i=0}^k s_i$. That is, S is the maximum prefix sum of the array a.

You are given n+1 integers h_0, h_1, \ldots, h_n . The score of an array a with maximum prefix sum S is h_S . Now, for each k, you want to know the expected score for an array of length k modulo 10^9+7 .

Input

Each test contains multiple test cases. The first line contains a single integer t ($1 \le t \le 5000$) — the number of test cases. Their description follows.

The first line contains an integer n ($1 \le n \le 5000$).

Then for the following n lines, each line contains two integers x_i and y_i ($0 \le x_i < 10^9 + 7$, $1 \le y_i < 10^9 + 7$, $x_i \le y_i$), indicating $p_i = \frac{x_i}{y_i}$.

The next line contains n+1 integers h_0, h_1, \ldots, h_n $(0 \le h_i < 10^9 + 7)$.

It is guaranteed that the sum of n over all test cases does not exceed 5000.

Output

For each test case, output n integers in one single line, the i-th of which denotes the expected score for an array of length i, modulo $10^9 + 7$.

Formally, let $M = 10^9 + 7$. It can be shown that the answer can be expressed as an irreducible fraction $\frac{p}{q}$, where p and q are integers and $q \not\equiv 0 \pmod{M}$. Output the integer equal to $p \cdot q^{-1} \pmod{M}$. In other words, output such an integer x that $0 \le x < M$ and $x \cdot q \equiv p \pmod{M}$.

Output

```
#include <bits/stdc++.h>
using namespace std;
const long long nax = 5005, mod = 1000000007;
long long mod_expo(long long a, long long b) {
 long long res = 1;
  while (b > 0) {
   if (b % 2) res = (res * a) % mod;
   a = (a * a) % mod;
   b /= 2;
  return res;
long long mod_inv(long long a) { return mod_expo(a, mod - 2); }
long long dp[nax][nax];
void solve() {
  long long n;
  cin >> n;
  vector<long long> p(n + 1), h(n + 1);
  for (long long i = 1; i <= n; i++) {
   long long x, y;
   cin >> x >> y;
   p[i] = (x * mod_inv(y)) % mod;
  for (long long i = 0; i <= n_
```





Instant Gratification

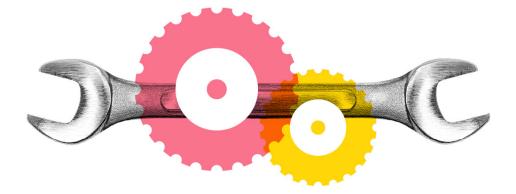
effort

Warply Engage
An all-in-one mobile first
marketing stack with
advanced transactional
capabilities





Extend Popular Stacks
Only if you want to pay huge premiums upfront into various cloud components



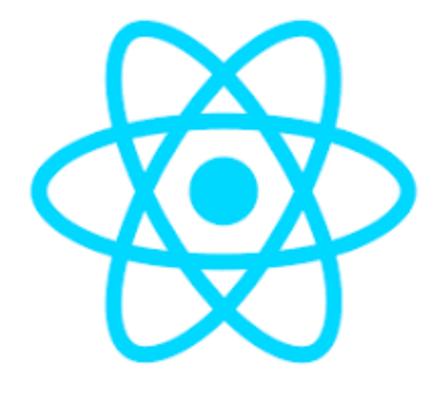
Build your own (only if you are a well funded startup like Uber)



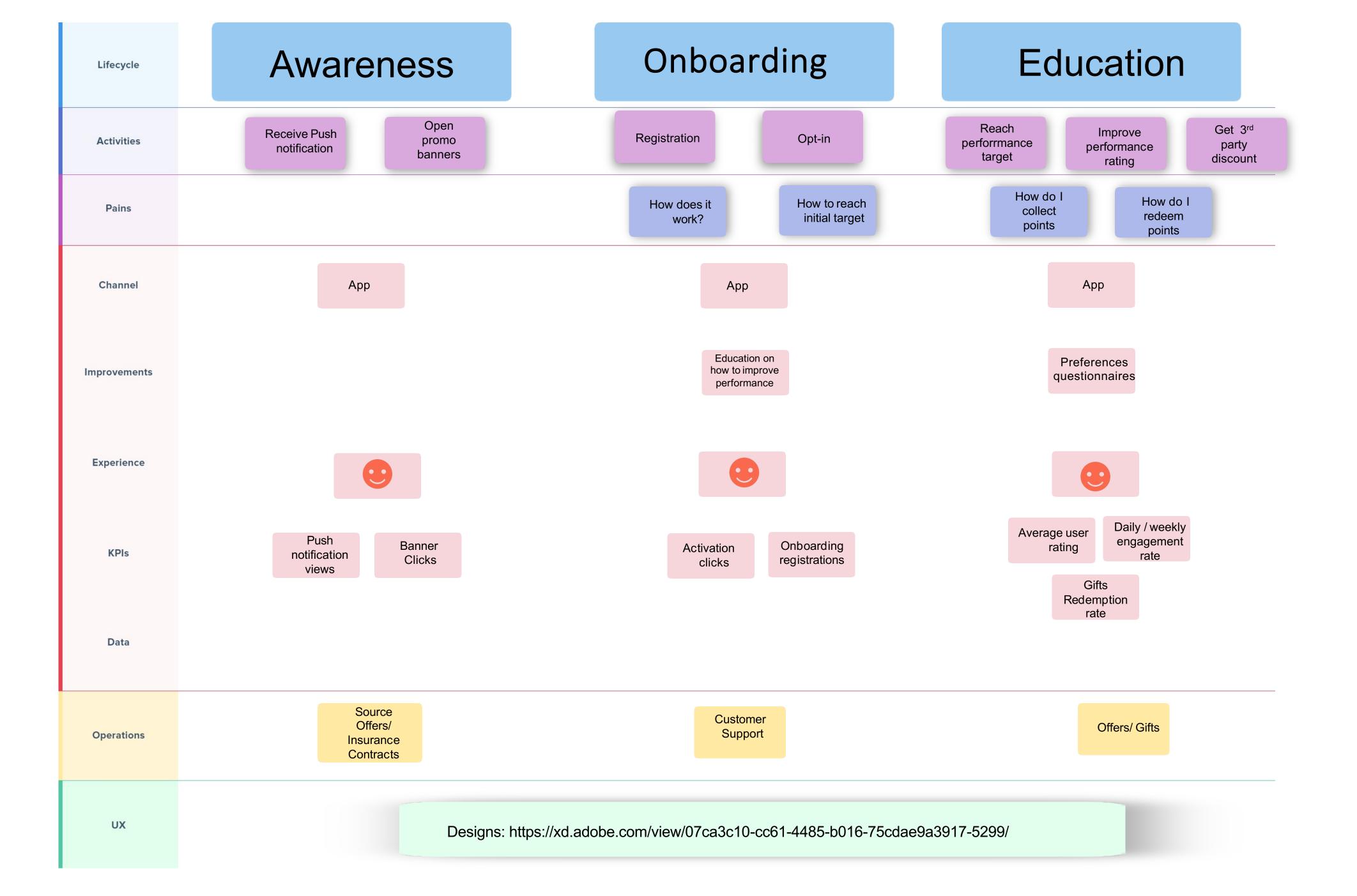
Developer Tooling





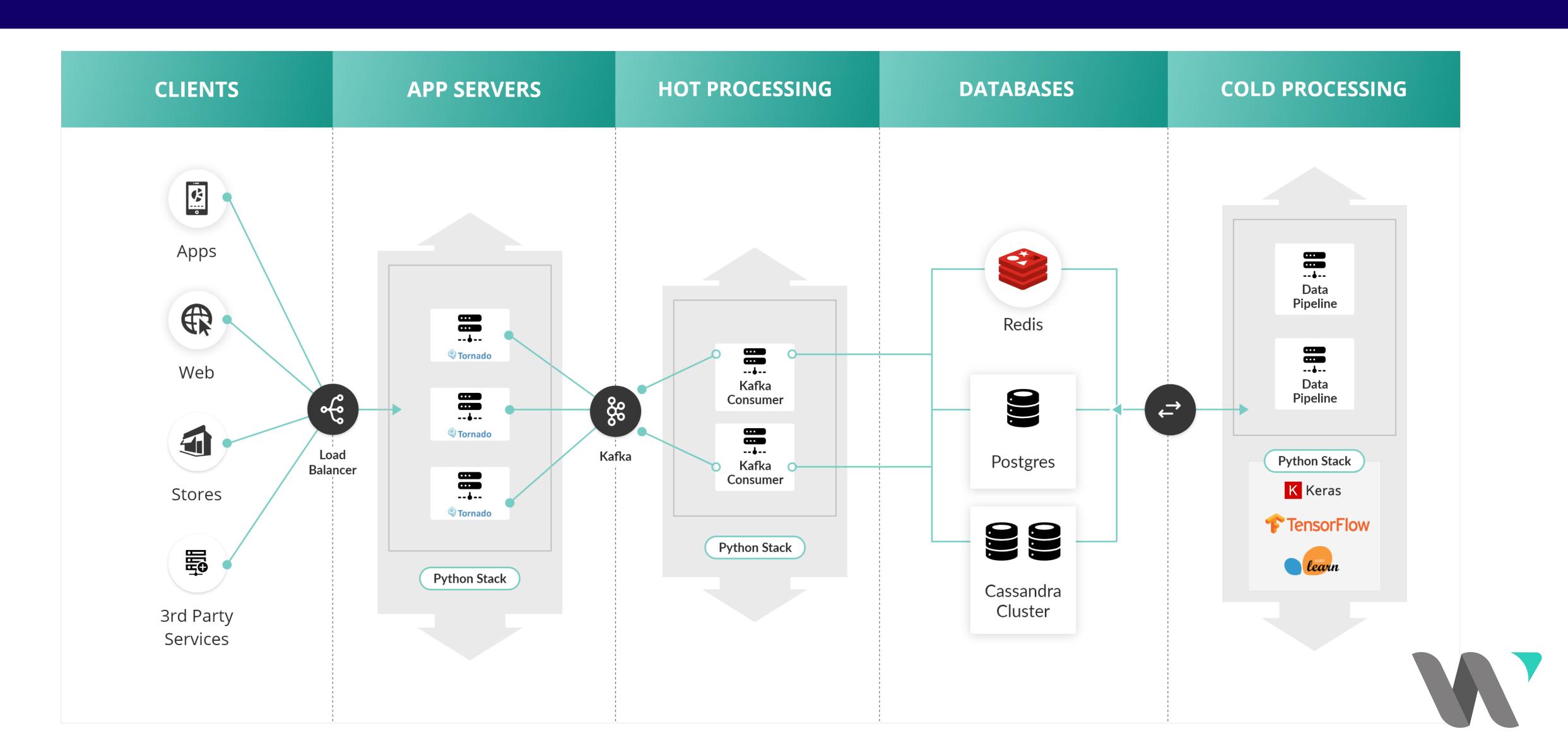




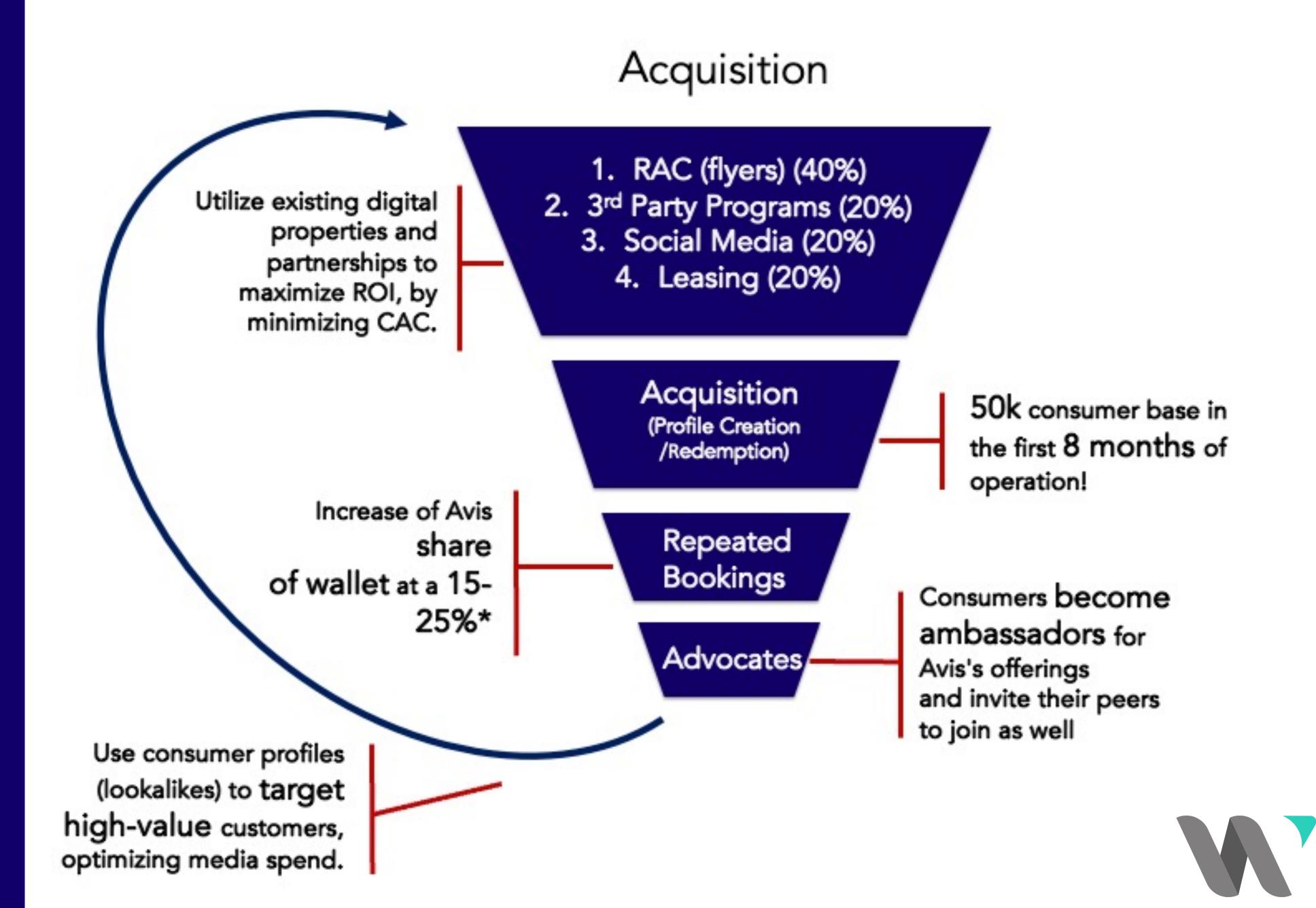




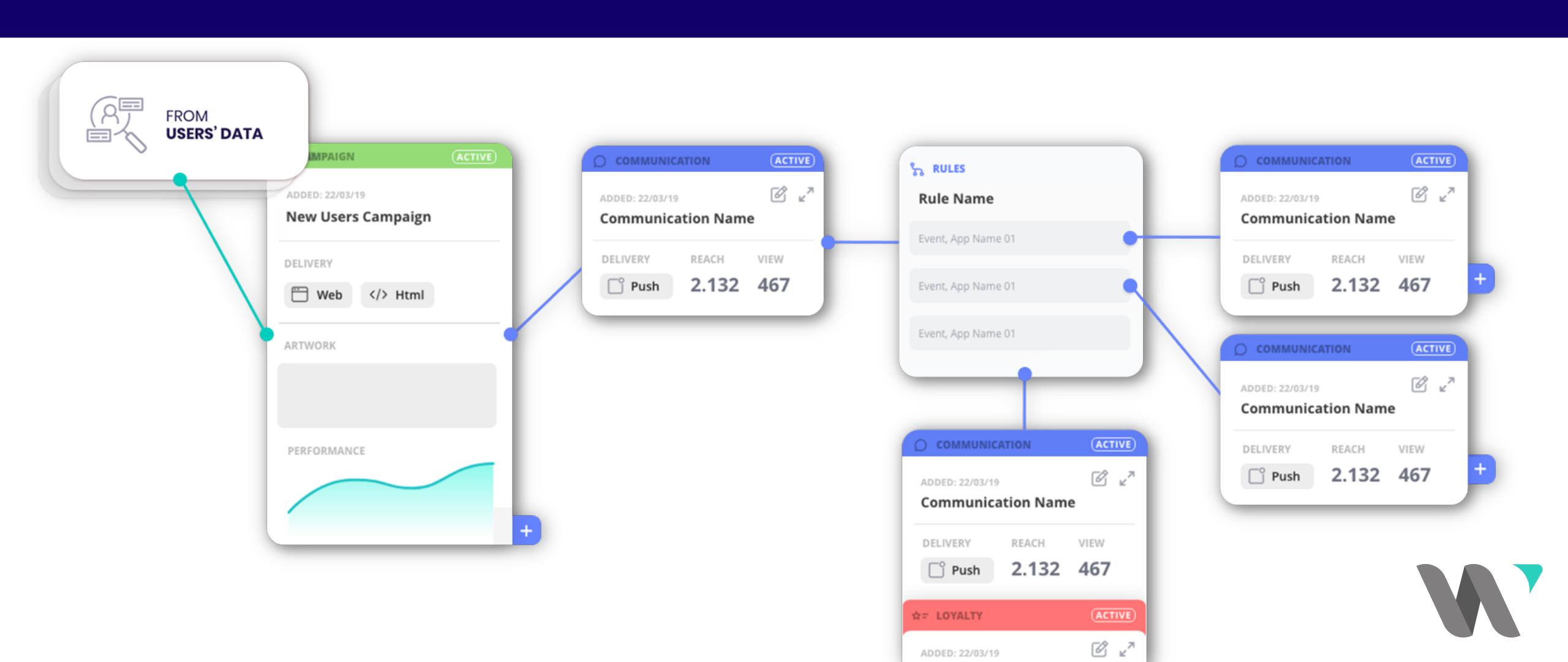
Easy Deployable Pipelines



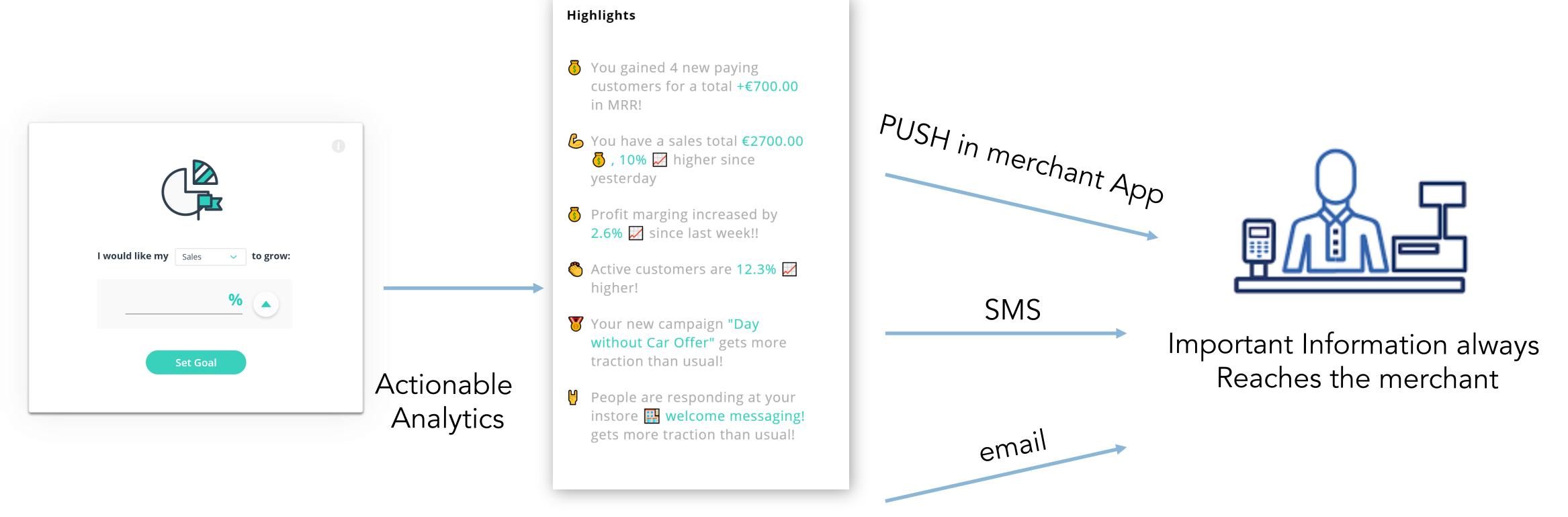
Productized Strategy



Human Operated Marketing



FSD Marketing



Al assisted business information extraction



Let's Launch Together!

