

**Project Title:** Rewards  
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## Abstract

The Rewards/addons project aims to provide extra benefits to customers when they purchase a specific plan. Three different plans are offered - Rewards123, Rewardsmini and Suraksha. These plans provide perks like cashback and insurance that regular savings accounts don't offer. The project targets 2 groups: LKY (low kyc) or wallet customers and SBA (savings bank account) customers. Thanks app and mitra app are used in order to provide these rewards and onboard the customer.

## Introduction

In today's world customers want more than just a basic banking service. The rewards/addons project is here to meet that need by providing reward plans that offer great benefits. The three different plans aim to provide users with cashback and insurance making the service attractive. Thanks app and mitra app provided ensure that customers get a smooth experience from signing up to managing their rewards. As a rewards team we showcase the product to customers, so the entire journey from showcasing the product to them purchasing the product is facilitated by us.

## Purpose of the Project

1. **Customer engagement:** Offer attractive rewards that encourage users to take advantage of benefits.
2. **Stand out:** To make our product stand out by offering benefits that encourage users to purchase plans.
3. **Seamless onboarding:** Make it easier for users to join or move from lky to sba.
4. **Boost loyalty:** Increase customer satisfaction and keep customers coming back.

## Problem Statement

Many customers with regular savings accounts are not receiving any additional perks leading to low engagement and satisfaction. Major significance of this issue is that customers who do not feel rewarded are less likely to stay loyal to the bank which eventually leads to high drop offs. (Research was done on the same by going through industry reports and surveys, I currently do not have exact data)

# Goals and Objectives

## Goals

1. **Increase Customer Engagement:** Create attractive plans that encourage participation from users.
2. **Simplify Rewards:** Showcase the product in a way it is easy to understand and use.
3. **Streamline Onboarding:** Make the onboarding process smooth and user friendly.

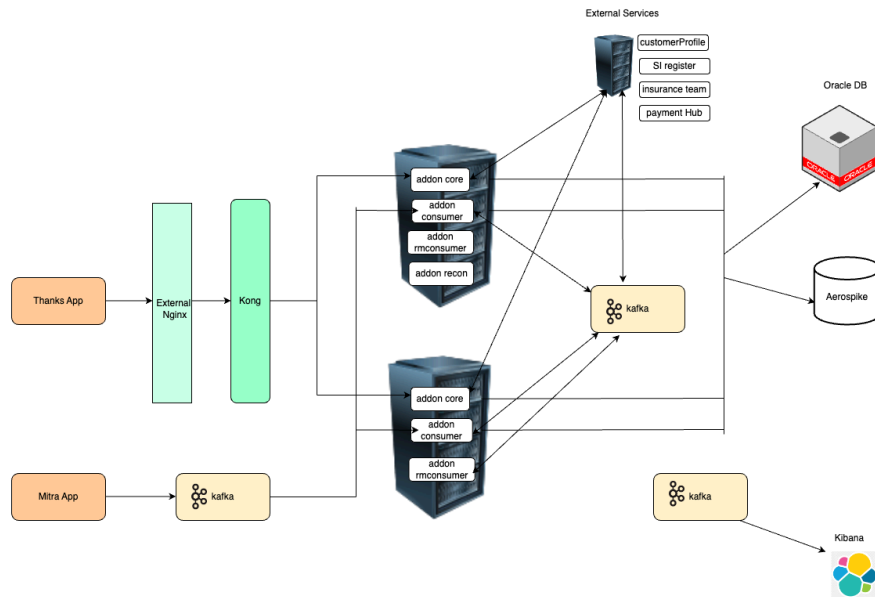
## Objectives

1. Creation of three rewards plans: Launch Rewards123, RewardsMini and Suraksha each offering different benefits for a certain amount of time.
2. Increase customer satisfaction
3. Reduce drop off rates.

## Methodology

We offer 3 plans: Rewards123, RewardsMini and Suraksha. Rewards123 will be accessed through Thanks App, while RewardsMini and Suraksha will be available via Mitra app. Below is the deployment diagram illustrating high level architecture of the project.

### Deployment Diagram

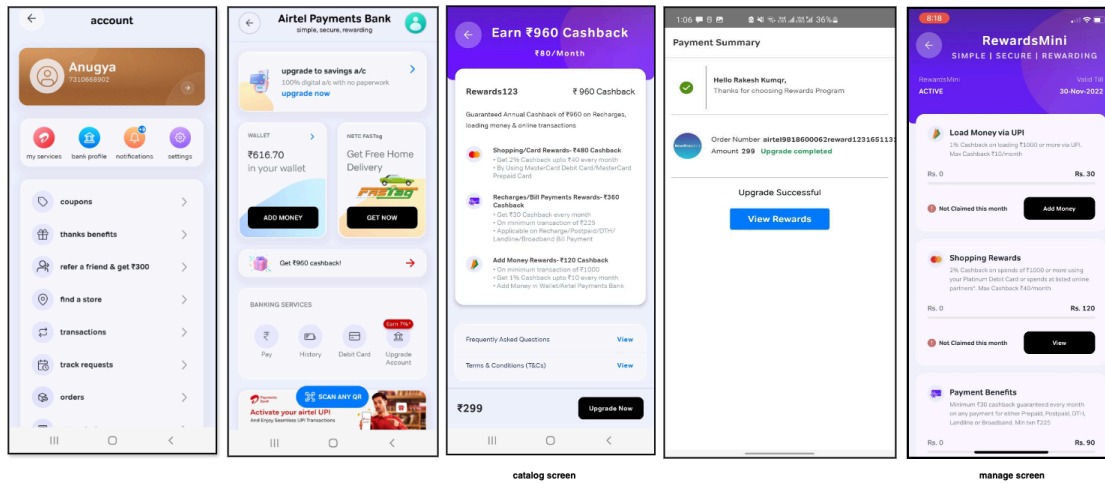


System consists of two main components: Thanks App and Mitra App. Here is how the architecture is structured:

1. External nginx: Acts as load balancer and security firewall.
2. Kong: Utilizes encryption decryption plugins for enhanced security. This ensures that sensitive information like mobile numbers and passwords are protected during transmission. In addition to it, through the UI provided by Kong we can distribute traffic according to our needs on various servers.
3. Kafka: Messaging queue system - kafka facilitates reliable communication between different components of the system.
4. Modules deployed on server: Multi module project where each module performs a specific task.
5. Oracle database: Used for logging purposes. Logging is crucial for tracking user activities, auditing and troubleshooting. Oracle's robust architecture provides querying capabilities and reliable storage.
6. Aerospike: Nosql database used because of its consistent write performance which is crucial for bank systems.
7. Kibana: For data visualization and analysis



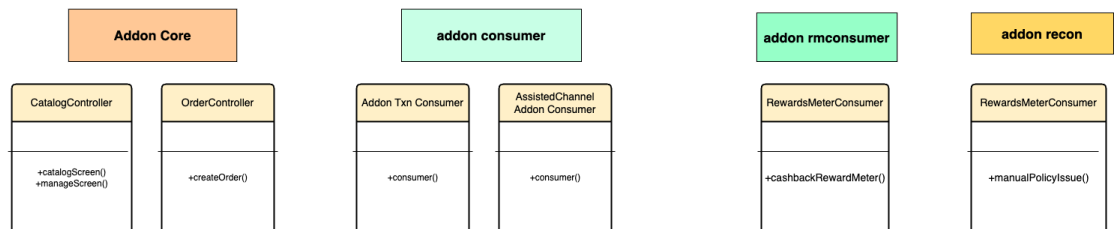
## REWARDS123 Journey



catalog screen

manage screen

## Modules



Rewards is a multi module project which 4 major modules:

1. Addon Core: This consists of all the controller level changes.
2. Addon consumer: All the consumers present in the project are inside this.

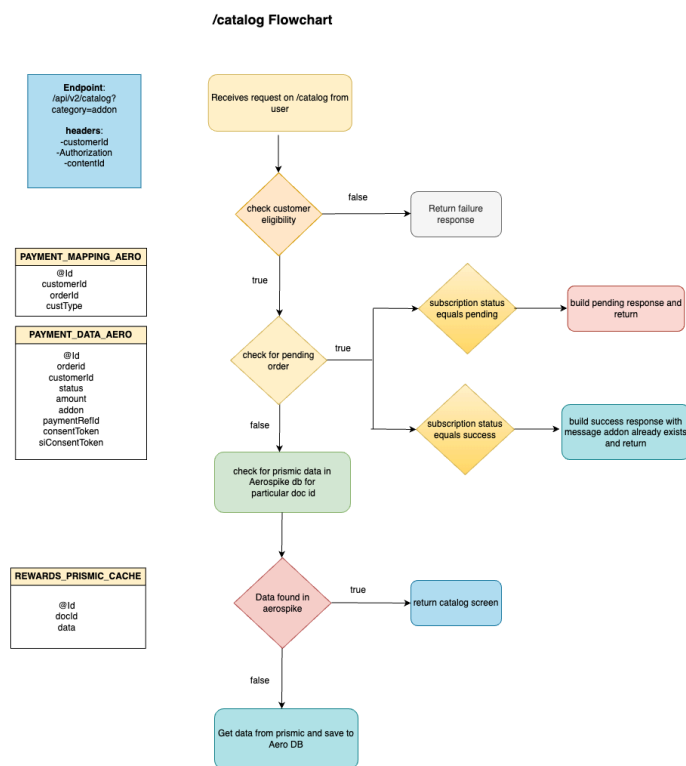
3. Addon rm-consumer: Once the user purchases the addon this module pushes the event to the growth team who takes care of providing the reward.
4. Addon recon: Takes care of all the cron jobs.

**Flowchart:**

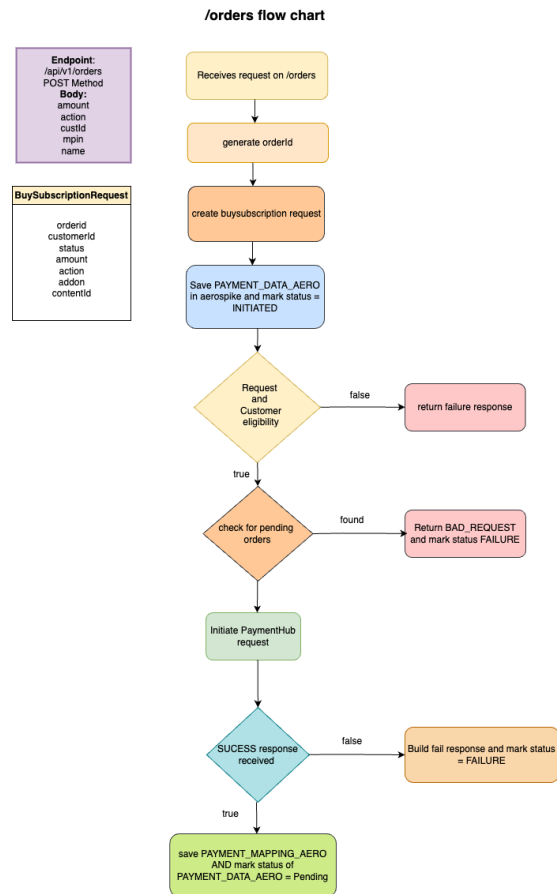
**Thanks App - Rewards123**

**Catalog api:** To showcase the product to customers

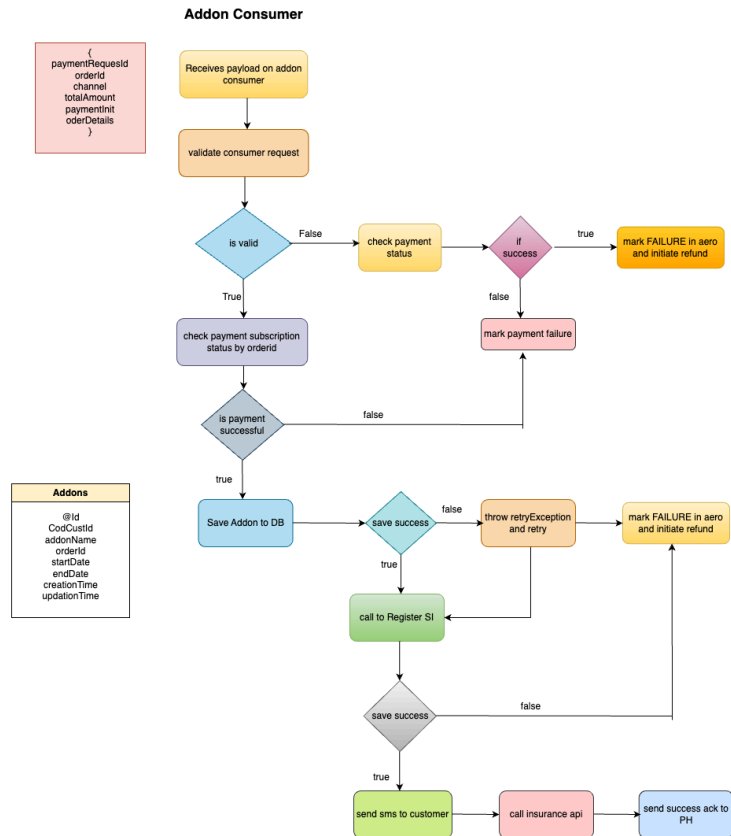
**Rewards123 FLOW Diagram for Digital channel**



After customer view the product and decides to purchase **order api** is called:



As a reward team, our task is to showcase the product to customers. However, we are not the ones who deduct the payment. Across the bank we have PaymentHub who does the same. Once we send the payment request to the payment hub we receive payment\_id from them which we can track. After deducting the payment they push an event to addon consumer.



## Result

We were successfully able to engage users through the rewards offered via these 2 platforms. The suraksha plan provided customers with valuable insurance benefits while Rewards123 offered cashbacks. These approaches resulted in customer engagement and satisfaction. Additionally, there was an on-site single point of contact for Mitra app, assisting users who may not be very tech savvy in opening their SBA accounts. This support resulted in a broader customer base. Overall, our efforts increased the customer engagement and enhanced their loyalty with our banking service.