IRIS

**Mobile App**

[**https://moqups.com/krai/flPJVJjB**](https://moqups.com/krai/flPJVJjB)(link to wireframe)

* Login Screen
* Posts ClubCardNumber
* Gets points data
* Redeem Points Screen
* Barcode Screen ( with option to cancel)

**REST Services**

**Orchestration Service End Points**

* GetPoints
* Input: clubcardNumber
* Output: customerName, points
* ReedemPoints
* Input: clubcardNumber, pointsToRedeem
* Output: clubcardNumber, TransactionID, smartBarCode
* CancelCoupon
* Input: transactionID

**Legacy Coupon Service End Points**

* CreateCoupon
* Input: clubcardNumber, mailingNumber, triggerNumber
* Output: smartcodeNumber, couponInstanceID
* CancelCoupon:
* Input: couponInstanceID

**MongoDB Collections**

* Points
* Transactions
* TriggerLookup

LOGIC FOR REDEEM POINTS

redeem Points service end point

input: clubcardNumber, pointsToRedeem

1. goto trigger lookup table

find out trigger number and mailing no for the pointsToRedeem

output - triggerNumber, mailingNumber

2. call coupon service - stubbed

input: clubcardNumber, mailingNumber, triggerNumber

ouput: smartBarCodeNumber (22 digits) , couponInstanceID (8 digits)

- randomize the ouputs

3. insert into transaction collection

- id

- clubcardNumber

- pointsRedeemed

- smartBarCodeNumber

- couponInstanceID

- timeStamp

- status : 'redeemed / cancelled'

4. update the points document

- select the document by clubcardNumber

- reduce pointsToRedeem from points

output : clubcardNumber, smartBarCodeNumber, transactionID