Order Event Queue
(SQS)

Apply & Notify

Check all Discount
Codes

User

Apply Discount Code

Brand Store

Fetch all discount codes

Billogram Discount Code
Service

Aysnc
Workers

Read

Discount
Service
Database

Write

Cache
(Redis)

Brand

Create Discount Code

Billogram
Brand Page

Add Discount Code

User Interface and
Actions
(Exisiting)

HTTP API Calls
(To Do)

Assumptions

1. User Interacts with the store page after successfully signing up or login into the store.
2. Brand Owner Interacts with Brand page powered by Billogram after successful login.
3. All HTTP API calls are making use of jwt authentication token.
4. User can see a list of available coupons on the checkout page
5. Approx. 500 brands using discount creation service.
6. All brands at any instance has around 10,000 active customers.
7. A total of 5 million orders from 500 brands.