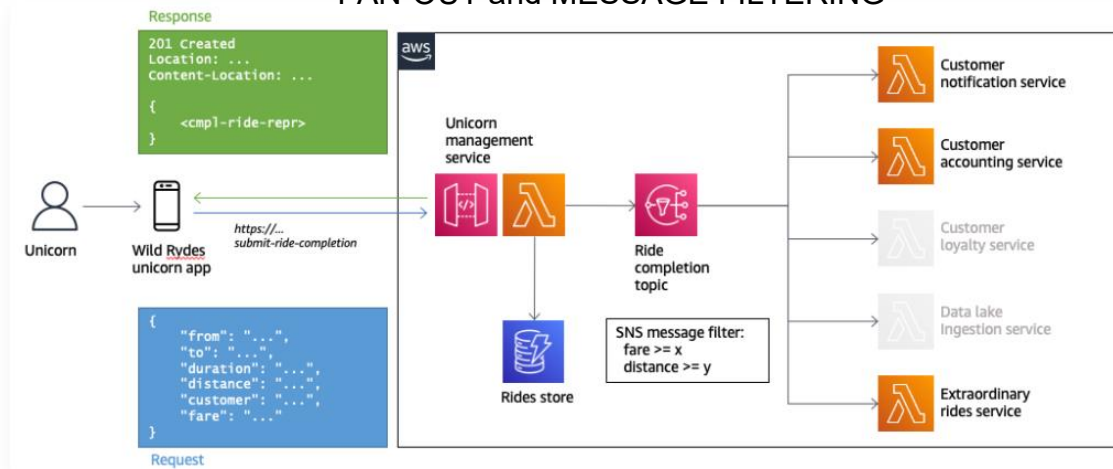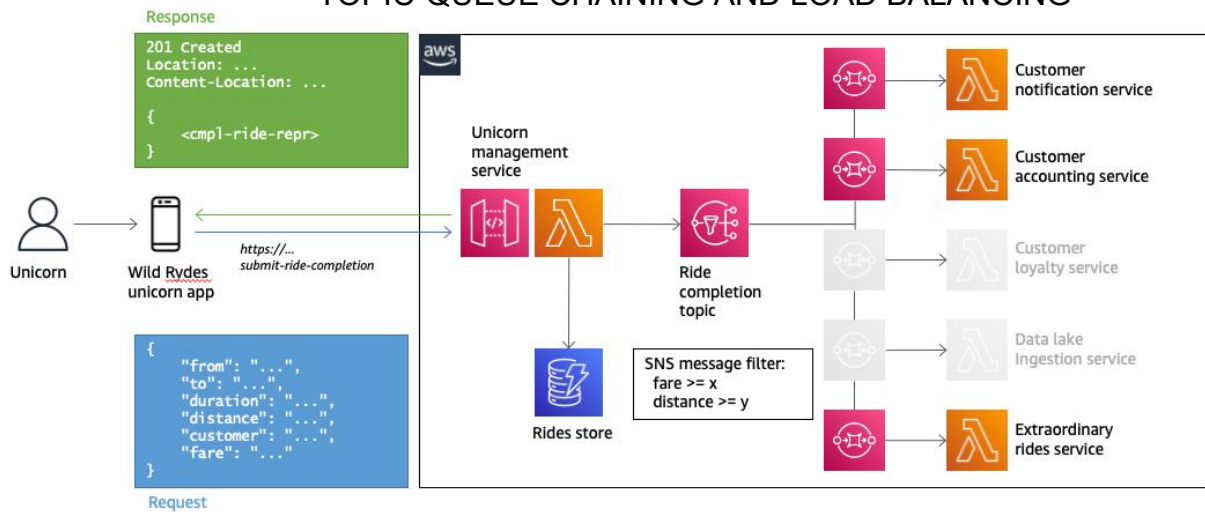# LAB-1 ARCHITECTURE

FAN-OUT and MESSAGE FILTERING
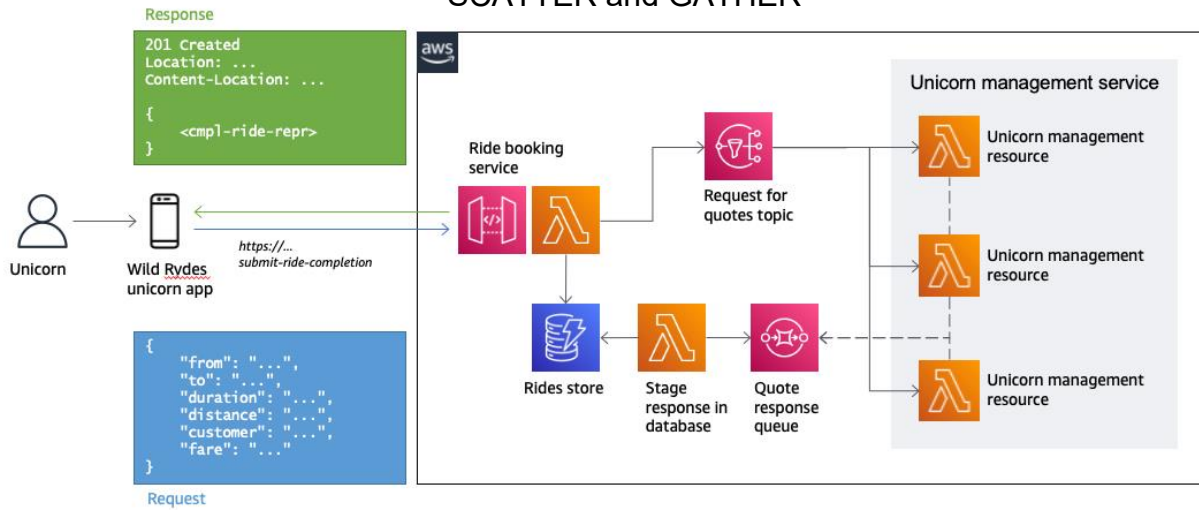

LAB-2 ARCHITECTURE

TOPIC-QUEUE CHAINING AND LOAD BALANCING

LAB-3 ARCHITECTURE
SCATTER and GATHER

Response

```
201 Created
Location: ...
Content-Location: ...

{
    <cmpl-ride-repr>
}
```

Unicorn

Wild Rydes
unicorn app

*https://...
submit-ride-completion*

```
{
    "from": "...",
    "to": "...",
    "duration": "...",
    "distance": "...",
    "customer": "...",
    "fare": "..."
}
```

Request

aws

Unicorn management service

Ride booking
service

Request for
quotes topic

Unicorn management
resource

Unicorn management
resource

Unicorn management
resource

Rides store

Stage
response in
database

Quote
response
queue

LAB-4 ARCHITECTURE

* See actual diagram on lab4 folder

T2

Payment
gateway API

aws

T1

Charge

T3

Payment service

Payment service

Customer
accounting service

Register

Update

Rides store

Accounting
system