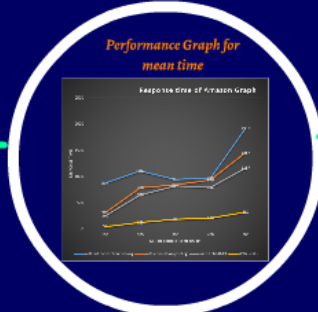
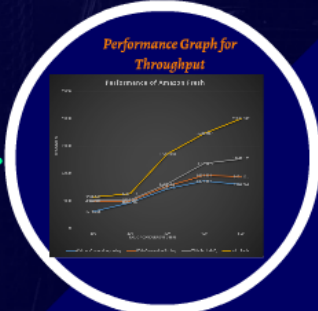


# AmazonFresh: Rekindling the Online Grocery Market

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### Dynamic Pricing Algorithm

Offering 20% discount on all the product on special occasions like Christmas, New Year, US Independence day, etc.

```
def dynamic_pricing(product, price):  
    if (is_holiday(product, IndependenceDay)  
        or is_holiday(product, Christmas)  
        or is_holiday(product, NewYear)):  
        price = price * 0.8  
    return price
```

### Team Members

Christina Rau, Hrishabh Srinivas, Raj, Shikhar Gupta, Tanaya Kulkarni, Tachana Serikunan, Anshuman, Arup, Mohit

A circular arrangement of team member portraits and names. The names listed are Christina Rau, Hrishabh Srinivas, Raj, Shikhar Gupta, Tanaya Kulkarni, Tachana Serikunan, Anshuman, Arup, and Mohit. Each name is accompanied by a small portrait of the team member.

- ### Extra Features:
- Historical revenue graph
  - Displaying statistics per area.
  - Computation of average rating of the products.
  - Driver allocation algorithm.

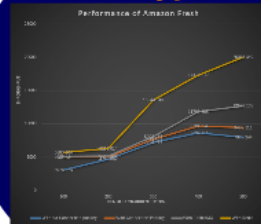
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Presentation by Team 7

## Performance Graph for Throughput



## Performance Graph for mean time



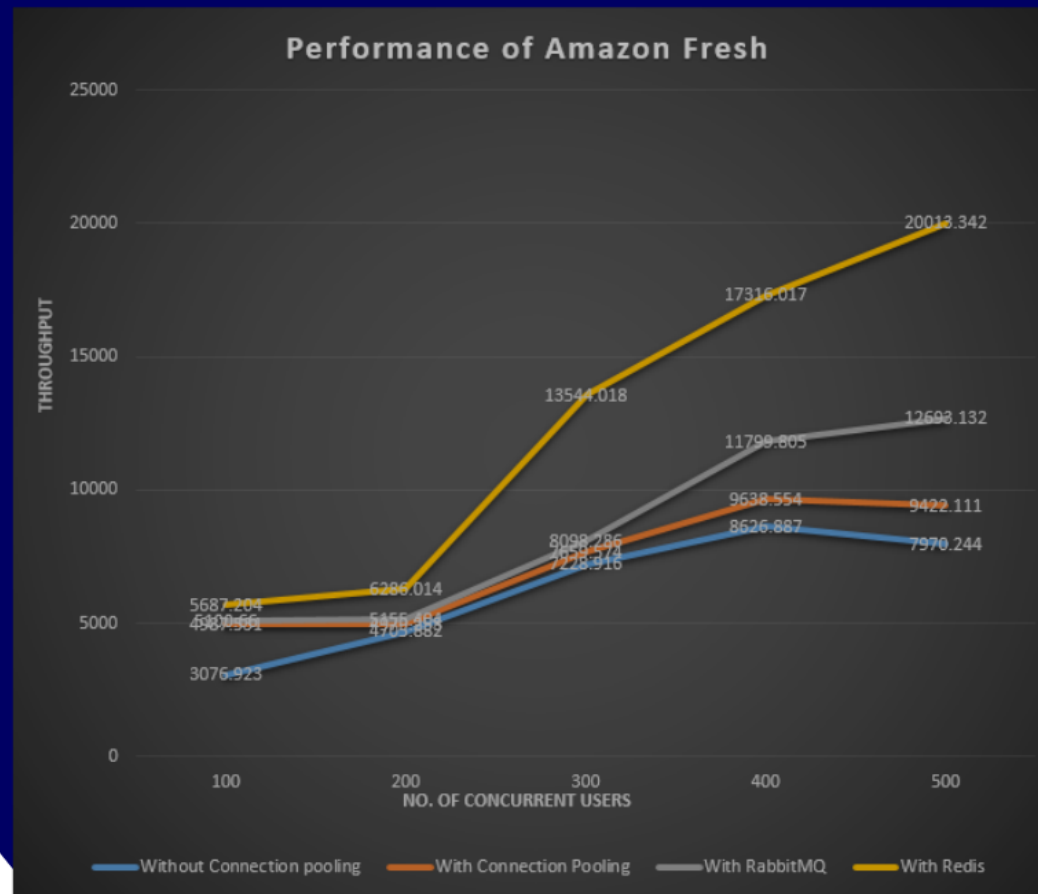
## Dynamic Pricing Algorithm

```
Offering 40% discount on all the product on special occasions like Christmas, New Year, US Independence day
var constant=0;
if (today==xmas || newYear || independenceDay)
    constant=0.4;
product_price=dt_price*constant;
bill_amount=product_price*qty;
• Dynamic pricing on demand supply:
select price,inventory from products where product_name like
'_____ and category like '_____
select count(*) as numofbills from billing where
products_id=_____ and bill date between
'_____' and '_____'
if (inventory<min_inventory || numofbills>goodfillcount)
    price=price*(1-x);
if (inventory>max_inventory || numofbills<badfillcount)
    price=price*(1+x);
```

# *Amazon Fresh*

*Presentation by Team 9*

# Performance Graph for Throughput



## Performance Graph for mean time

