② [customer] → [opens App / website] → [Many things] → [Close]
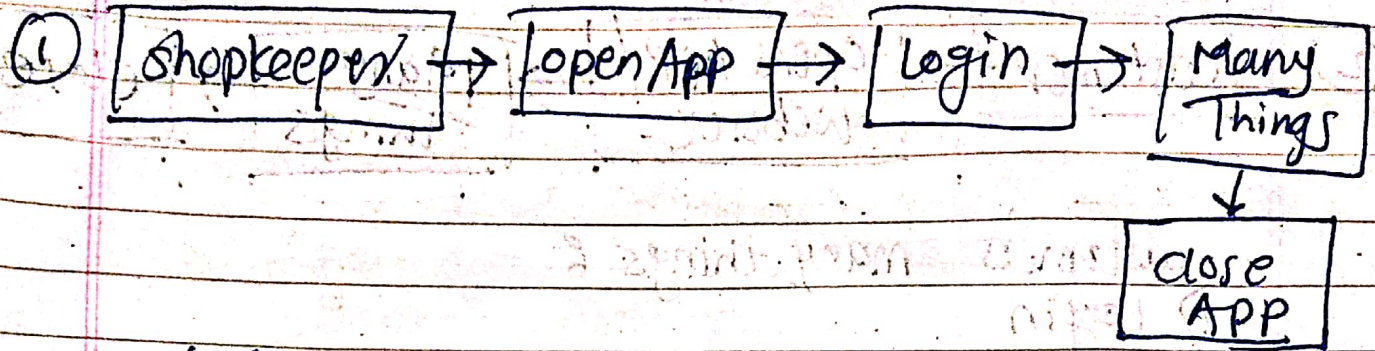
customers . many things 6
1) Login   2) Create Account
2) Search items
3) Change its address / locations
4) Changes Password
5) Add another address
6) Search according to filter wise / catogory wise
7) Request for availability of product
8) Add payments details
9) Add items to cart
10) See bill
11) pays bill
12) Cancel re item buy request ~~cart item~~
13) Replacement if product defective
14) Wait for delivery
15) Confirmation of receiving product/item
16) ~~Add~~ Visit shop and replace product/item
    with any items available in the shop
    only for / within 5 days. if bill receipt
    is valid. ~~Replacement can happen for only~~
    replacement items price should be greater than
    equal to replaced item.
17) Sees its ordered items & cart items
18) Remove item from cart.
19) Decides whether to pick up delivery by himself/
    herself or not.
20) Apply Coupon if available
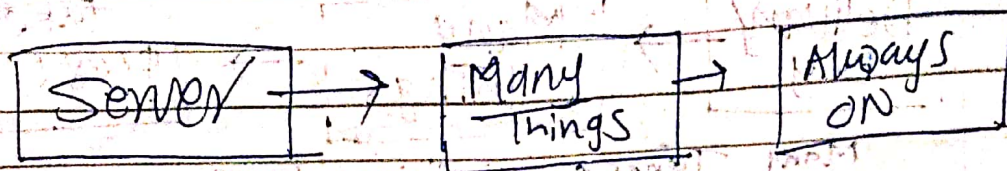21) if account does not exist, request for account.
    creation.

Profile { (braces covering items 3, 4, 5)

18/08/19

① Shopkeeper → openApp → Login → Many Things

↓

close APP

Shopkeepers. Many things;
1) Generate Bill for a product/item/print
2) See its stock
3) Sees profit or a revenue of month/years
4) Add new items to stock
5) Delete extra or unexpected items
6) Update information of added items
7) Gives discount on purchase items
8) ~~Ge~~ keep aside product if it is shipped online and give to delivary boy.
9) Minimize the app/close the app
~~10) Gives. the item shipped to to delivary boy.~~
10) Allow customer to replace the items.
11) Give the bill to the delivary boy.
12) Receive item from delivary boy for replacement.
×13) Give product/item to delivary boy ₁
14) Verify the delivary boy.
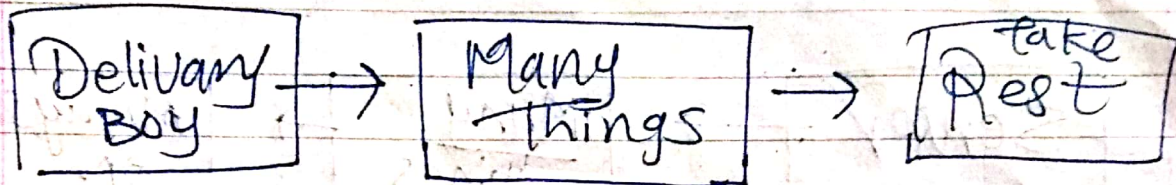15) product available but defective then inform servee;

(4)

```
┌──────────┐     ┌──────────┐     ┌──────────┐
│ Server   │ ──→ │ Many     │ ──→ │ Always   │
│          │     │ Things   │     │ ON       │
└──────────┘     └──────────┘     └──────────┘
```

Server's Many Things:
1) Validate User
2) Create User
3) Update user password
4) add new product from shopkeeper salesman to db
5) maintain the record of each shopkeeper
6) Reflects changes made by shopkeeper or customer
7) Receives payments from customer
8) pay allocated amount to shopkeeper
9) Inform delivery boy and shopkeeper to after item get shopped / buy.
10) Send location of shop to delivery boy.
11) Then sends a location of customer.
12) Keep track of what customer is looking for. [AI]
13) Disable the unpaid shopkeeper.
14) Add product/items to e-commerce
15) Give the estimated delivery time. to customer.
16) Communicate with shopkeeper, customer and delivery boy.
17) Update item/product info in shopkeeper wants to offer.
18) Response in less time. (milliseconds).
19) According to replacement alert delivery boy and shopkeeper.
20) Generate Bill format for both shopkeeper and Ecommerce bill.
21) Generate barcode for added items and sends print option to shopkeeper.
22) if available product is defective, search same product the nearby shop w.r.t customer loc^n.

(3) | Delivary Boy | → | Many Things | → | take Rest |

Many Things of Delivary boy :

1) Picks product/item from shop!
2) Pack it.
3) deliver to allocated address
4) Take money from customer.
5) Give money to company.
6) Picks item from customer address in case of replacement
7) Put label on the item box
8) Pack the box/seal the box
9) Return item to shop in case of replacement
10) Visit the shop