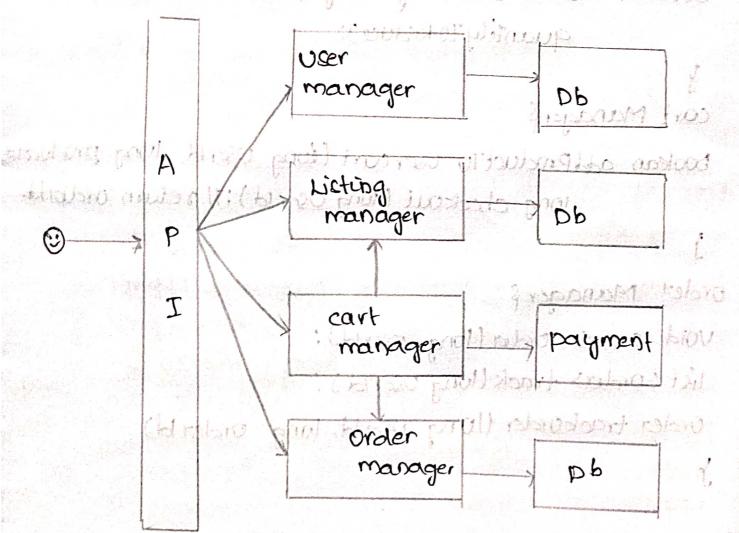
- 10. Design an E-commerce system, which includes the following set of features.
 - user can logis l sign up using their contact no.
 - User can place order
 - cart system
- product listing
- product review, rating and wishlist.
- A) Firstly, the user will contact the API layer of the e-commerce system, which depending on the user request it is route to different services, to evente (or) update the user profile, it will contact the user manager, which stores the user details in the data base management.
- To the get the list of products we contact the listing manager, which also has it own data
- For adding the item to the cart, we talk to the cart manager, which adds the product to the user wart

- For buying the product, we contect the eart manager, which will update the quantity on the listing manager, we po this because the product with 10 quantity, we don't want to sell It for 1000 square.
- manager, the cart manager will call the order manager, to create the orders;
- orders will have list of user ld and product ld.



coming to API:

- User Manager f.

boolean create user (user user):

void update user (user user):

- Listing Managens

list < product > get Products():

boolean reduce Quantity (long productid), informating quantity To Reduce):

- cart Managers

booken add Product To Usercart (long Userid, long producted, long checkout (long Userid):11 return orduild.

- order Managers

Void create order (long userid):

list < order > track (long userid):

Order track order (long userid):

order track order (long userid, long order id)

Database Model sind only the familial or aligning the ANTHORN SUICH ENGLISHED long ld: word soil you we will wall Name name : string emailled: phone phone: 11... other details REGULAR Product & long ld: majordant of 21 publish String mame: miramolas aluquesto double price! trails out island int quantity: art or provide all again .000/3 [10] order f 10. 21 118 211 - SIZES long userld: Radion Min list & products products: skup kosús salt / bate placedon: ologian o min list (Traking patail) tracking Details: When in the feels will according to four for the states

DD) Design a polling system like Telegram. where users have multiple options to vote them. Allow there to vote want.

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client > Response.

- polling is a technique that allows the servers to push unformation to a client.
- It involce the client requesting information from the server in the same way that standard polling does.
- The Basic life cycle of an application that uses
 - 1. The client sends an HTTP request and then wants for a response.
 - 2. when an update & evailable, the server provides the client a complete response.
 - 8. After getting a response, the client typically sends a new long-poll request, either

Immediately by after a pause, to allow for an appropriate lostency duration.

- when building a real-time time application like Telegram with HTTP polling server push, you'll have to develop your communication management system.
- That means that you'll be responsible for updating, maintaining, and scaling your backend infrasture.
- Therefore the polling helps to provide frequent updates.