Laptopium

Microcservices

1. **Registration/login**
   - For registering user
   - Signing in

2. **Products**
   For storing products and fetching products to and from database respectively.

3. **Merchant**
   - Registering merchant
   - Adding product, quantity and price by merchant in database

4. **Checkout**
   - Adding items on cart to database
   - Adding items ordered to database

5. **Search**
   Searching items using solr/elastic search

6. **Api gateway**
   Proxy server

API Mapping

Merchant

User

Landing Page

GET, localhost:port/products/getCategories

GET, /products/getPopularProducts

isLoggedIn → GET, /authentication/getUserDetails/{uid}

YES → POST, /authentication/registerUser

(UserType Object)

NO isRegistered ↑ (no)

YES → POST /authentication/isAuthenticated

Edit Profile

GET /auth/getUserDetails/{uid}

PUT /auth/editUserDetails/

GET /checkout/showOrderHistory

PUT /checkout/rateProduct

GET /checkout/showOrderHistory/1

Cart

GET, /checkout/getCartDetails/{uid}

PUT, /checkout/updateQuantity/{uid}/{pid}

POST, /checkout/orderCartItems

(product type object)

Category

Product

GET, /products/getCategories

GET, /product/getProducts/{category}

Product Details

Get, /product/getProduct/{productId}

POST /checkout/addToCart/

(obj for Cart)

Data Model

User:(PostgreSQL)
- int userId
- String userName
- String Genderl;
- String userMail;
- String Contact;
- String userPassword

Merchant:(PostgreSQL)
- int merchantId
- String merchantName
- String merchantMail
- String merchantPassword

Cart(PostgreSQL)
- int userId
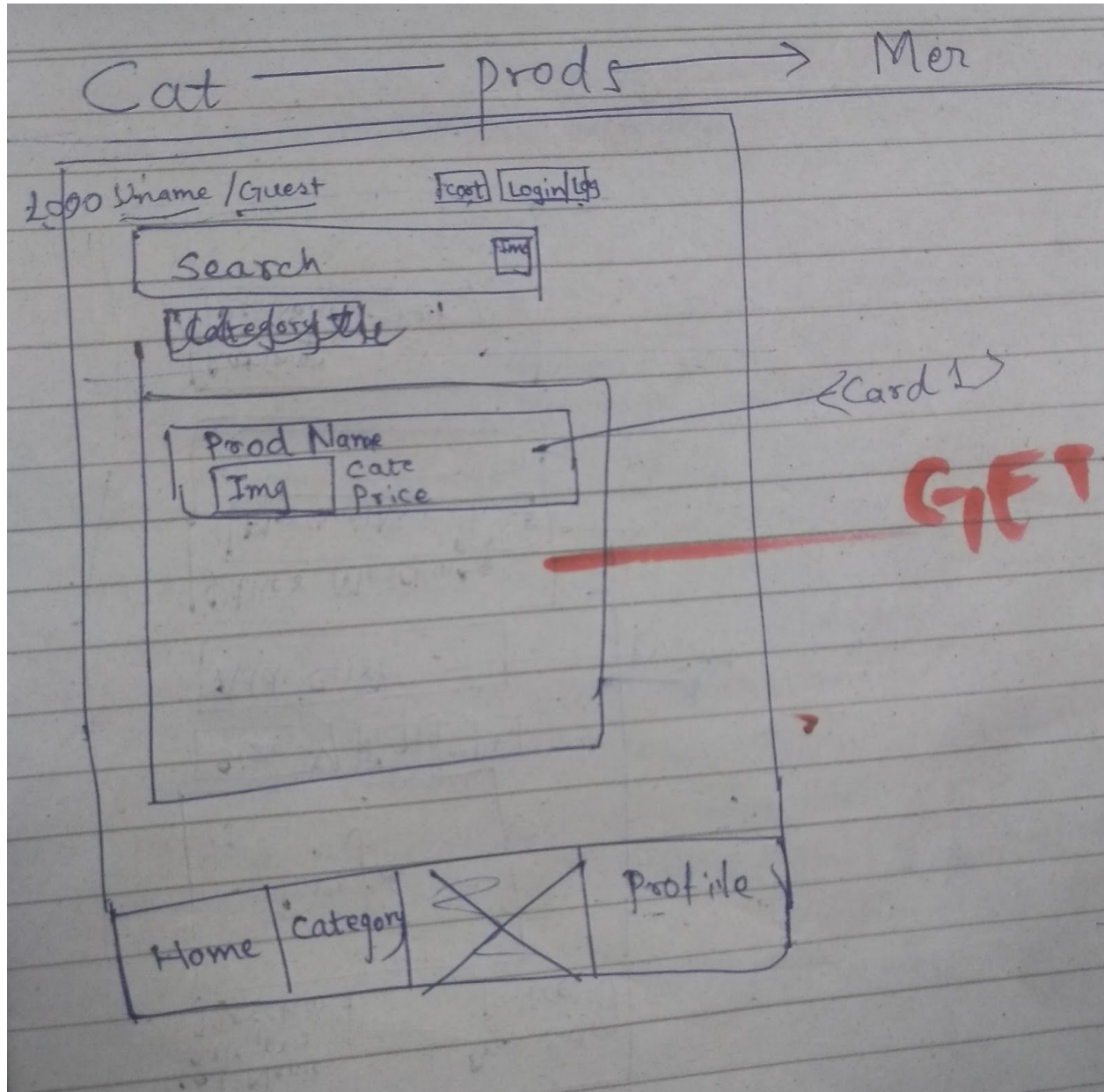- int productId
- int merchantId
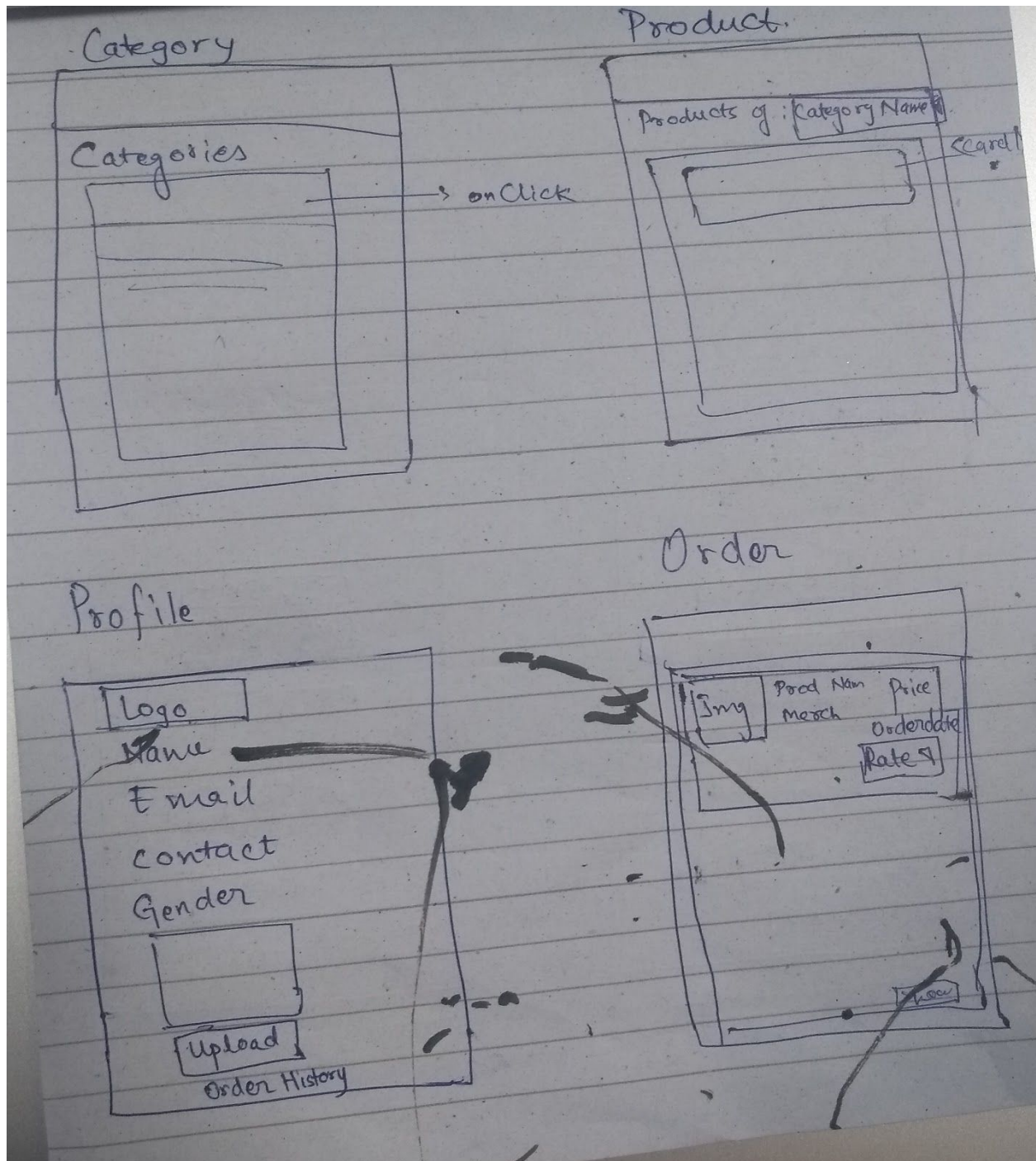- int quantity

OrderHistory(PostgreSQL)
- int OrderId
- int UserId
- int productId
- int merchantId
- int quantity
- float price
- Timestamp timestamp

Product(MongoDB)

int productId
String company
String product
String typeName
double inches
String screenResolution
String cpu
String ram
String memory
String gpu
String macOS,
String weight

ANDROID

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[1] Landing Page

Category

Categories

> onClick

Product.

Products of : Category Name

Search

Profile

Logo
Name
Email
contact
Gender

[Upload]
Order History

Order

| Img | Prod Nam Merch | Price |
| | | Orderdate Rate |

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[2] Category Page(List Of Categories)
Product Page(Category->Product)
Profile Page
Order History Page

Product Details.

Prod Name
   category
      Merchant

Prod Rating
   Price

Image

| Size ▽ | − Qty + |

Add Cart   → Cart

Other Merchants   →
    Merchant Name   Rating Price

Ratings
   UserName   − Rate
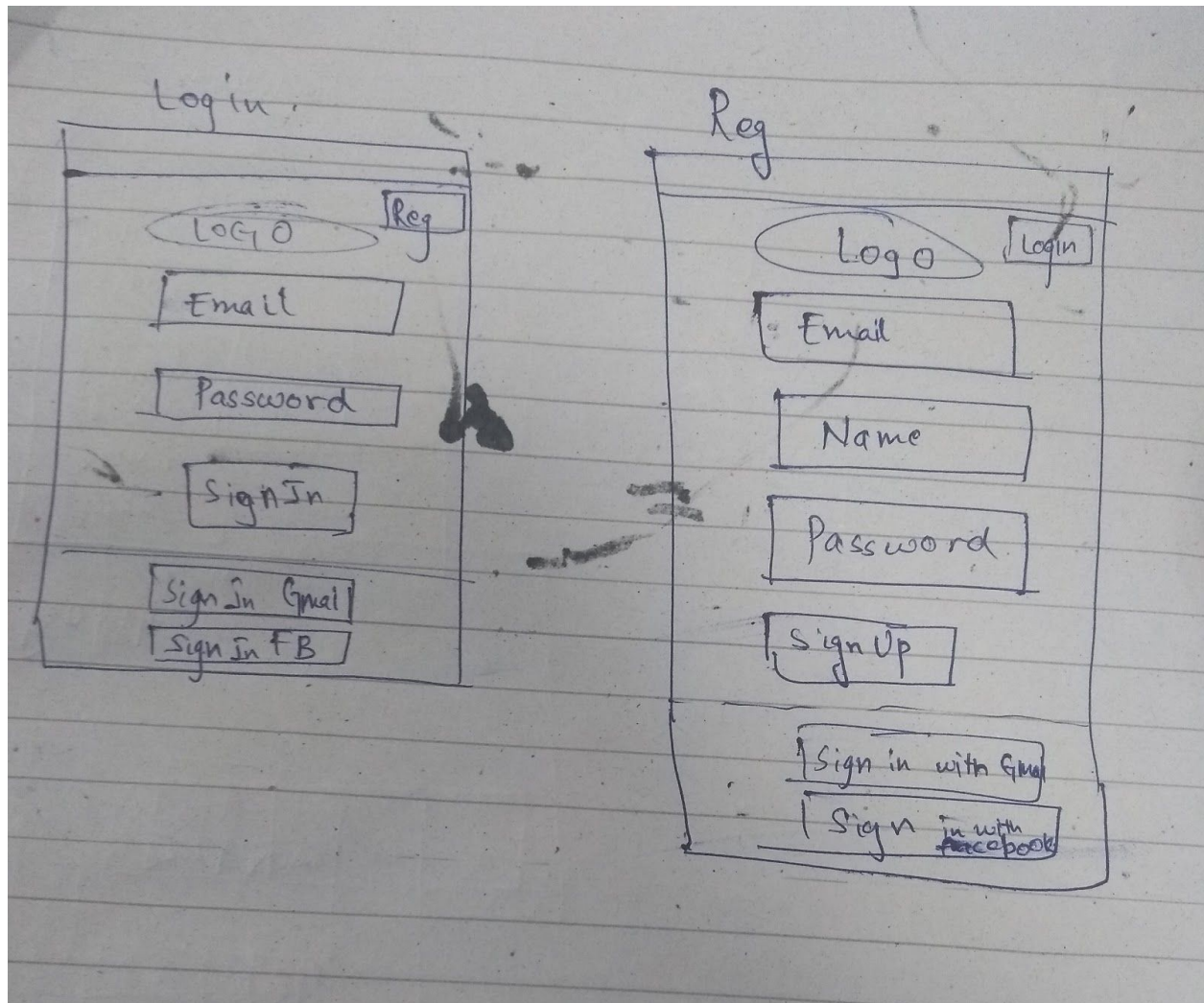
LOGIN AND REGISTRATION

UI FLOW

SIGNUP	LOGIN

EMAIL

PASSWORD

LOGIN

GMAIL

FACEBOOK

ADD PRODUCT

NAME

CATEGORY

Size

COLOR

PRICE

QUANTITY

ADD

NAME

xxxxxxxx

CATEGORY

xxxxxxxx

Size

COLOR

PRICE

QUANTITY

DONE

EDIT PRODUCT

the falling leaf LAVENDER PURE ESSENTIAL...
Seller: THEFALLINGLEAF

₹199

● Delivered on Jan 06
Your item has been delivered

★ RATE & REVIEW PRODUCT

ADD TO CART

VIEW PRODUCT

PRODUCT IMAGE

NAME

PRICE

SIZE

QUANTITY

EDIT PRODUCT

SINGLE PRODUCT

Edit Profile

Name:

Email:

Contact:

Gender:

Profile Image

Upload

EDIT PROFILE

Logo

Search

Login/Logout

Cart

More

Edit profile
Previous orders

Category

Loafers

Formal

Casual

Monk shoes

Sneakers

carousel that shows
Lofaers,Formal,Casual,Monk Shoes,
sneakers

Product Name
Product Rating
Product Price
Add to Cart
Buy

Product Name
Product Rating
Product Price
Product Image

Product Name
Product Rating
Product Price
Product Image

Product Name
Product Rating
Product Price
Product Image

prevoius page

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