

Hackathon Day 2:-

Date: _____

Planning the technical foundation

1- Technical Requirements:-

• Frontend Requirement:-

Dynamic UI → HTML → CSS → TW CSS

→ Home page

→ Cart

→ Product lists

→ Checkout

→ Product details

→ User Information files etc.

• Back-end Requirements:-

→ Node.js can handle API

→ Management → Order → Processing → User account.

→ Authentication (register, login, manage profiles)

→ Roles and Permission:-

Admin designer and customer functionalities

(admin can manage listing, customer can book consultations).

2- Work-flow:-

→ Product Cataloging: store product details eg:
furniture, decor items etc)

→ Booking & Scheduling: Appointment / dates /
times in database.

→ Calendar Integration: Google services, Google maps

- Payment Processing: Payment from paypal / easypaisa or any other secure transaction network
→ credit cards, wallets, tokens etc.)

3- DataBase Design-

Key Tables/ Collections:

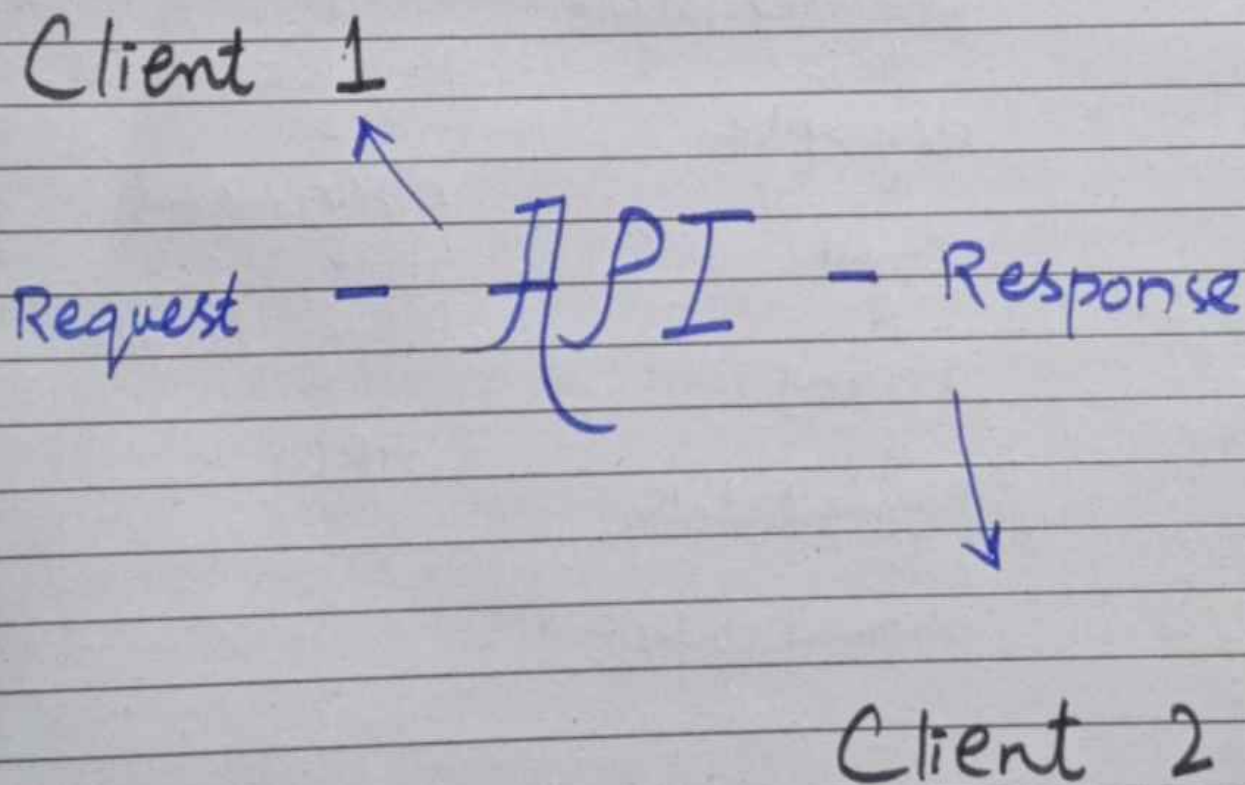
- Users: user_id, name, email, role, etc.
- Products: product_id, name, email, role, price, etc
- Orders: order_id, user_id, product_id, name, Price, role, amount etc
- Appointments: appointment_id, designer_id, user_id, date, day, time etc.

4. API Requirements:-

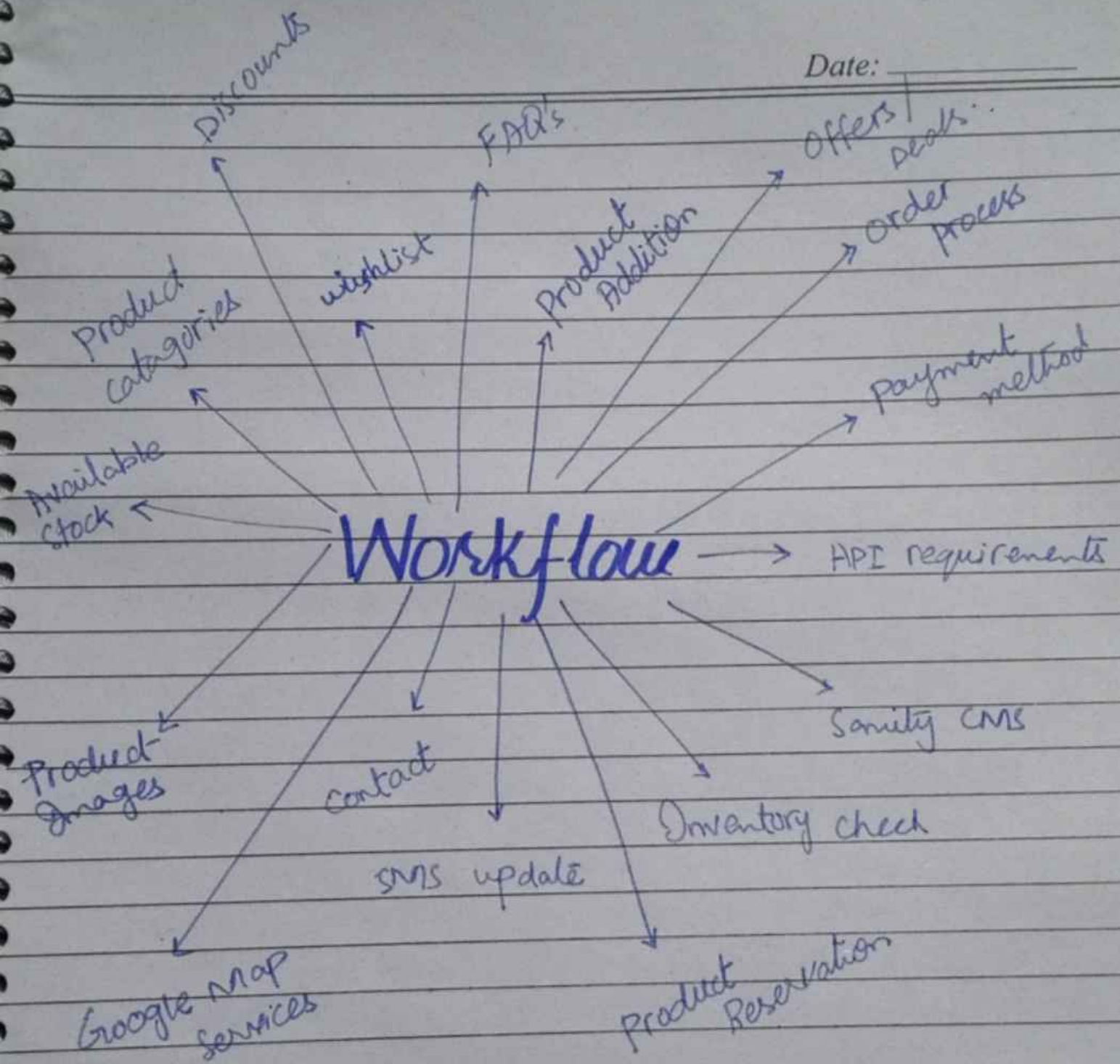
→ User management API's:-

```
{
  "name" : "Ramsha Elahi",
  "email" : "ramsha.elahi111@gmail.com",
  "password" : "secure password- @ 111 / ... w.",
  "role" : "customer"
}
```


- Project Management API's .
- Order Management API's .
- Appointment and Booking API's .
- Payment API's :-
- Notifications API's .
- Reviews and Rating API's :-



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System Structure Diagram

Date: _____

Technical Structure

