

HACKATHON - 3

(1)

DAY :- 2 :-

PLANNING THE TECHNICAL FOUNDATION:-

Clearly define project objectives, scopes, and requirement and designing the core technological structure and system required for an e-commerce marketplace ensure integration of system for performance, security and scalability.

"MARKETPLACE TECHNICAL FOUNDATION"

"FASHION E-COMMERCE"

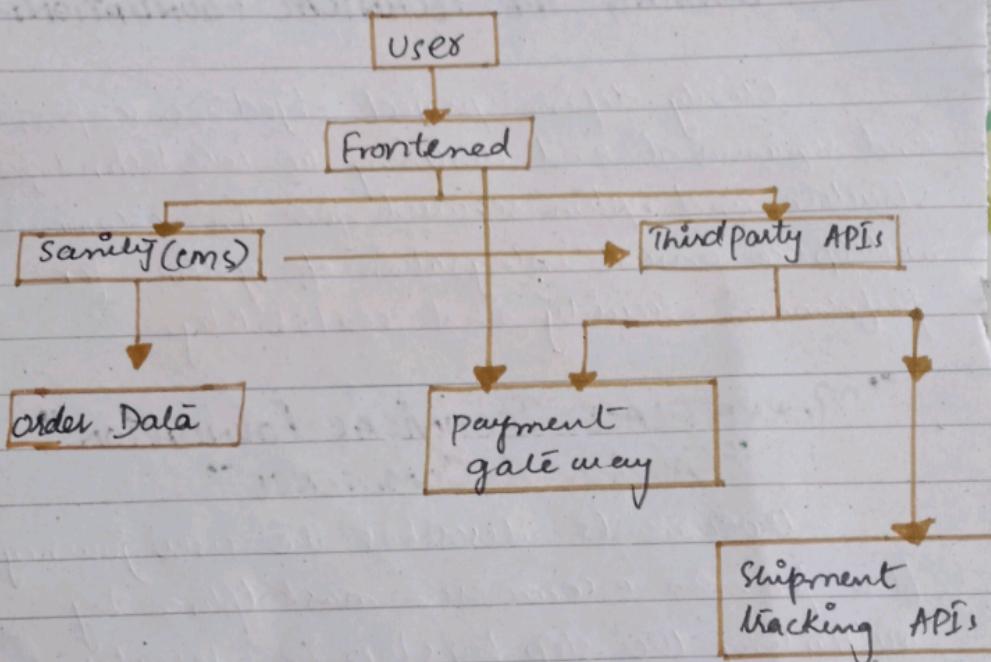
Documents describes the user journey flow for an e-commerce marketplace by outlining the step by step interaction a user experiences in the platform.

FRONTEND DEVELOPMENT:-

FLOWCHART OVERVIEW:-

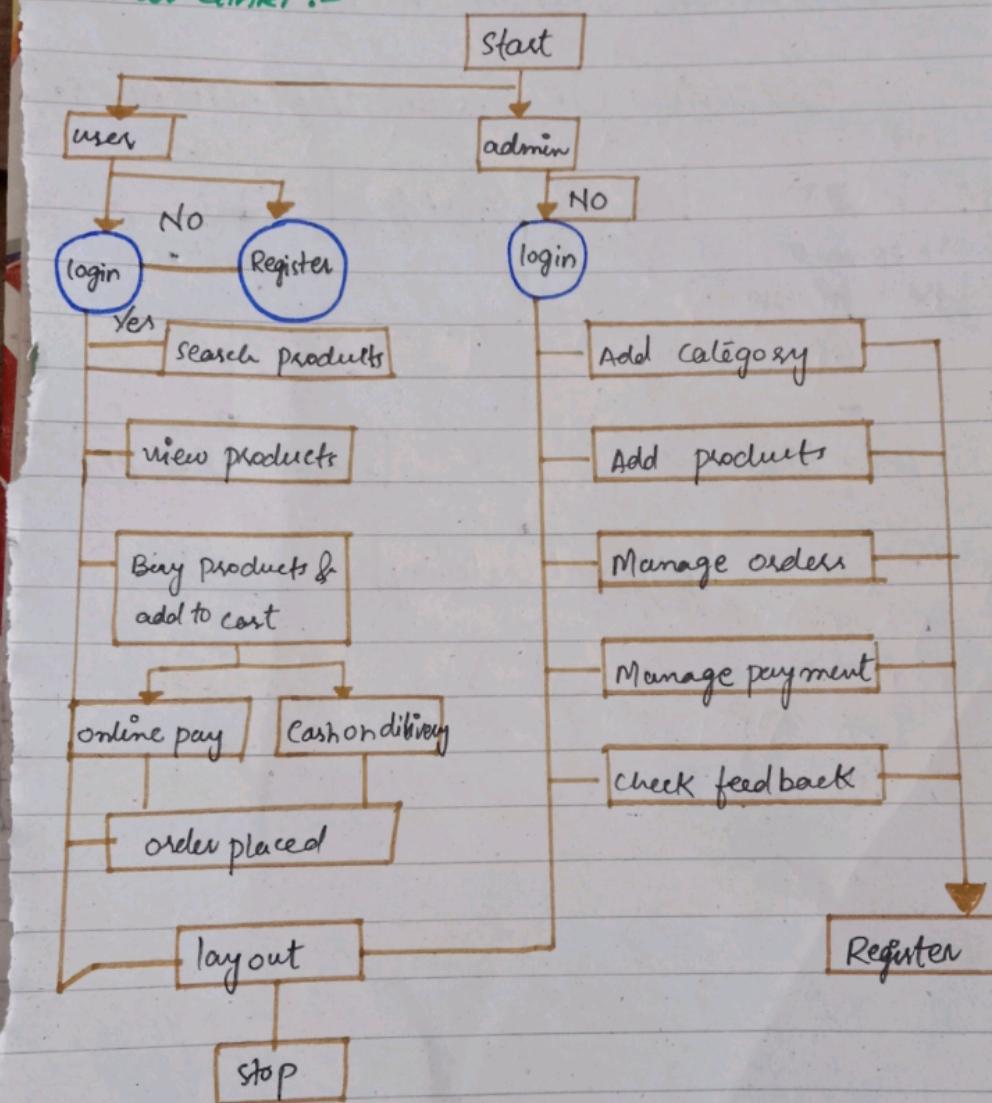
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PLANNING TECHNICAL FOUNDATION



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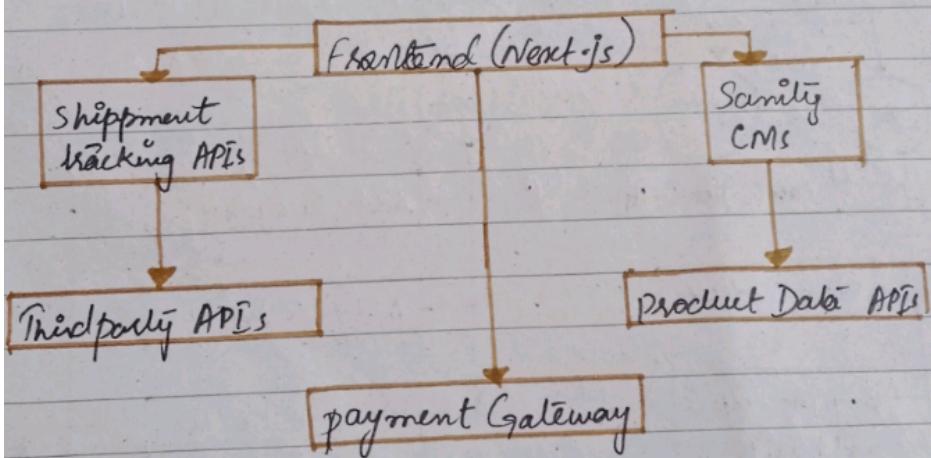
FLOWCHART :-



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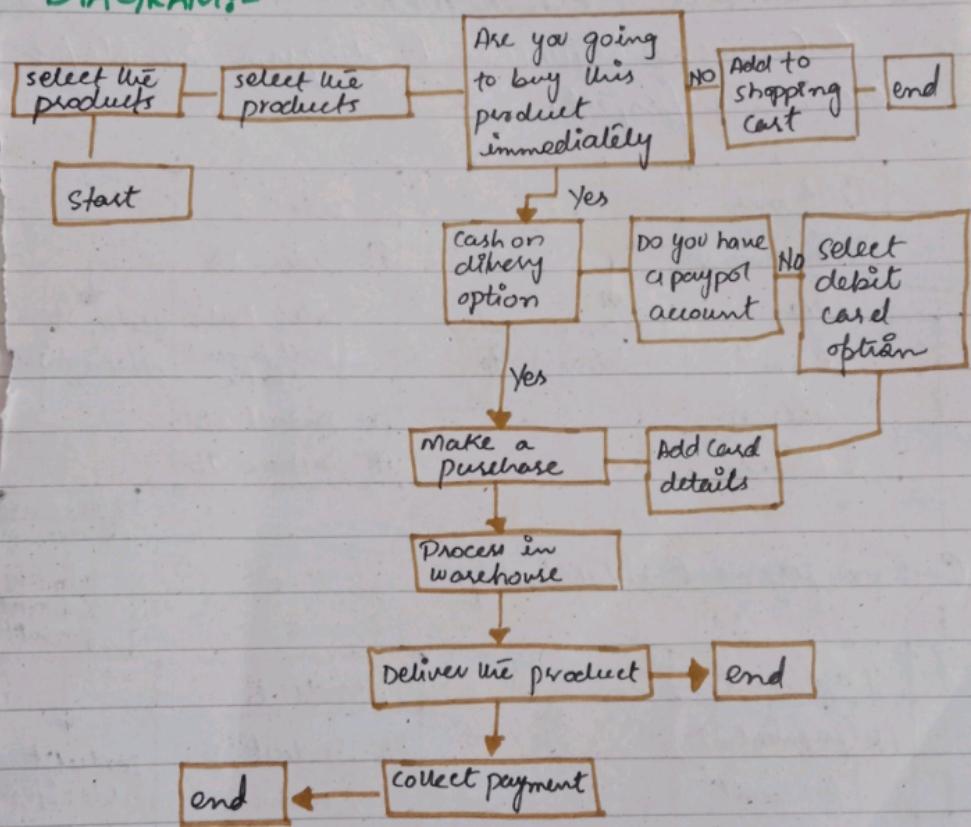
§ DESIGN SYSTEM ARCHITECTURE :-

OVERVIEW OF SYSTEM ARCHITECTURE :-



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DIAGRAM:-

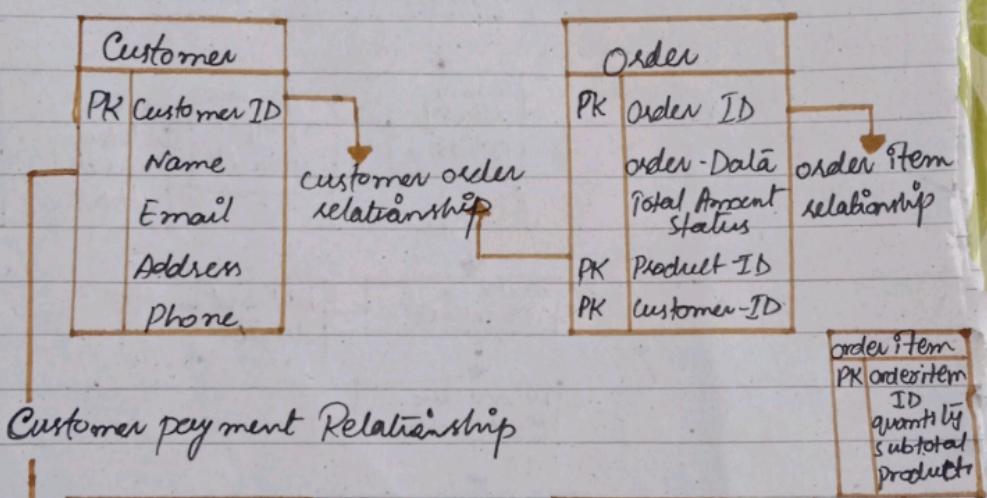


[Diagram System Architecture]

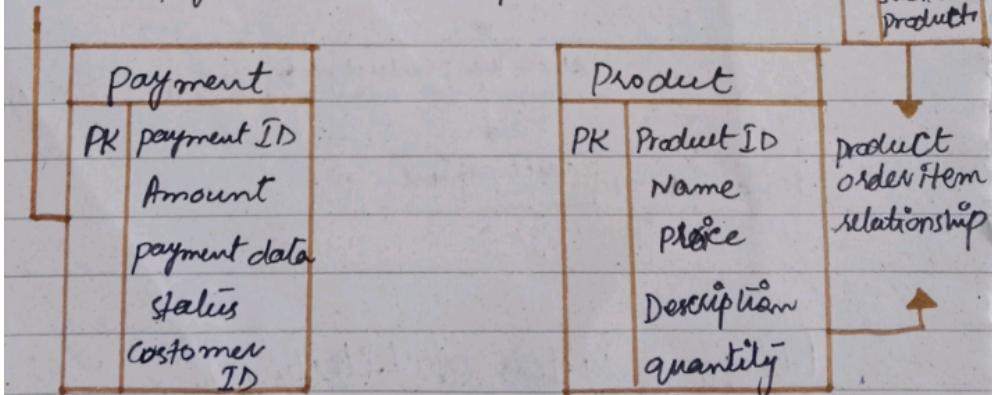
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E-COMMERCE REQUIREMENTS-

E-Commerce Requirement diagram Sample for e-commerce project.



Customer payment Relationship



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API ENDPOINTS.XLSX

Endpoint	Method	Description	Parameter	Response example
/api/clothes /	GET	fetch all clothes item	None	{id:1, Name: "Maxi"}
/api/clothes /id	GET	Fetch a single item ID (path)	ID (path)	{id:1, Name: "skirt"}
/api/clothes /id	POST	Add a new clothes item	name: Price, category (body)	{success: true, id: 5}
/api/clothes /ID	PUT	update a clothes item	id (path), name price (body)	{success: true, id: 3}
/api/clothes /ID	DELETE	Delete a clothes item	ID (path)	{success: true}
/api/category /	GET	Fetch all clothes Category	None	{Categories: ["Shirt"]}

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PLAN API REQUIREMENTS

GENERAL E-COMMERCE MARKETPLACE -

1- Endpoint /Product :-

* Method : GET

* Description : select the item

* Response :

{
* Product Name : "Maxi/frock",

* Quantity : 1

* Price : 5000

* Color : "Black/blue/multicolour".

* Size : S, M, L ..

}

2- Endpoint Order :-

* Method : GET

* Description : Create a new order.

* Response :

{

* Product ID : "Maxi/frock",

* Quantity : 1

* Total Amount : 5000,

* Order Date : 17-01-2025 }

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3- Endpoint Shipment :-

* Method : GET

* Description :- Track Shipment Status for order
* Response :

{ "ID": "Ship - 10" ,

order: {

 "ID": "Order - 10" ,

 "Total Amount": \$ 1000 ,

}

 "trackingnumber": "track - 10" ,

 "status": "in Transit" ,

 "Estimated delivery": "21-01-2025" ,

}

Order Date : 11-01-2025 ,

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TECHNICAL DOCUMENTATION:-

