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. 1	Schema Design: Define fields-for products, Outomers, and
A164	orders to alian with the data schema from Day 1.
	Renefits: Simplifiels backend management and
	ensures seamless integration with the
	foratend-
<u>3.</u>	HIRD- PARTY API LNTEGRATION:-
•	Shipment Tracking API: Provides real-time delivery updates.  Payment Gateway API: Ensures Secure transactions.
•	그래요 많아가 다른 나는 그리다는 그 사람들이 가는 사람들이 생활하고 있다면 살아가는 그래요 하다면 사람이 되었다. 그는 그리는 그는 그리는 그는 그리는 그는 그리는 그는 그리는 그를 가는 그를 가는 것이다.
	Additional APIs: Handles marketplace-Specific requirements
•	SYSTEM PRCHITECTURE 5-
	> HIGH-LEVEL DIAGRAM :-
	[Frontend (Next Js)]
	[Sanity CMS]> [Product Data API]
	Fillind-Party API] > [Shipment Tracking API]
	[Payment Gateway]
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•	WORKFLOWS :-
4	User Replatration
1.	User Registration
	· User Signs up -> Data is stored in Sanity -> Confirmation Setted to the user.
	seint to the wer.
2.	Product Browsing
	1 1 0 1 00 1 11
_	· User views sproducts → Sanity API - Aches data → products displayed dynamically.
	products displayed dynamically.
3.	Order Placement
	· Hems added to the carl - Proceed to checkout -
	Order Saved in Sanity
-	Λ
1.	Shipment Iracking
-	Order updates fetched from a third-party API -> Displayed to the wer.
	Displayed were were
5 :	Payment Processing
	· Payment podessed via gateway > Confirmation
	Sent -> Recorded in Salnity.
	1000
<u>•</u>	JYPI KEQUIREMENTS:-
-	ENAPPINIS 1-
	OMPhon 412 1
1 .	Product Data
	> Endpoint Name: products
	→ Method: GET
1	
1 -10	

→ Description: Fetch all available products
→ Response Example:
?"id": 1, "name": "Product A" "price": 100 "Stock": 50}
7 Order Management
2. Order Management
→ Endpoint Name: lorders
→ Method: POST
→ Description: Create a new order.
> Payload:
? "Customer Id": 123, "items": [1,2], "totalfrice": 2003
3. Shipment Tracking
The state of the s
→ Endpoint Name: /shipment
> Method: GET
-> Description: Track the delivery status -> Response Example:
SKESPONSE Example:
{"orderId": 4B6, "Status": "In Transit", "ETA": "20 minutes"}
· BCHNICAL DOCUMENTATION :-
2. SYSTEM ARCHITECTURE EVERVIEW:
· Nigaram: A detailed representation of how the forest
· Diagram: A detailed representation of how the format frontend, backend, and APIs Interact.
· Component Roles!
-> Sanity CMS: Stores and managers data
→ Sanity CMS: Stores and managers data  → APIs: Facilitates real-time updates and
No

Date
Secure transactions.
2. WORKFLOW DESCRIPTIONS :-
Marine Marine Advantage and a second and a s
· Each workflow is broken into steps, detailing how were
interact with the system.
3- UPI SPECIFICATIONS 1-
For each endpoint accument:
> Method
→ URL
⇒ Payload
-> Example response
A Property of the second of th
4. SANTY SCHEMA EXAMPLE :-
export default?
name: "product",
type: "document",
fields & L
name: "name", type: "string", title: "Product Name"},  § name: "price", type: "number", title: "Prioce"},  § name: "Stock", type: "number", title: "Stock level"}
3 name: "price", type: "number"; title: "Prince's,
¿name: "Stock?; type: "number", title: "Stock Level"s
3
5- ECHNICAL KORDMAP :-
· Week 1: Finalize System architecture and API endpoints
· Week 2: Implement Ganity sichemas and Connect APIs.
· Week 3: Test integration and ensure frontend-backerd
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· CHALLENGES AND CONSIDERATION:-
1) Scalability:
· Ensure the system can handle high traffic and data rolumn.
2) Real-Time Features:
Implement seamless updates for inventory, order tracking, and payments.
3) Security:
Securitie payment transactions and wer data with encryption.
4) API Rate limits:
Monitor and manage API usage to avoid disruptions.
Concusion:- Day 2 Serves as the technical bluepri
a scalable system artichitecture, oflanning
poundation ensures the marketplace is ready
Cor Seamless development and deployment-Abdressing Key challenges further strengthens the System's reliability signature and performance.
signature and performance. Na.