Hackalhen #03 Date
Humanului # 5
Day 2: Goal-Transition from Business Flanning
Day 2: Gloat - Trustill
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the business when into a technical
Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical Today we socus on converting the business plan into a technical
gramework, the wine including system architecture, working
Sechnical sisucture, incuraing space
Technical Requirements
Step 1: Define Technical Requirements
* Front end Requirements
interface that includes:
1. Design a uses-kiendly interface that includes: 1. Design a uses-kiendly interface that includes: 1. Homepage: Highlights featured products and categories. 1. Homepage: Highlights featured products in a grid or 1. Product Listing Page: Displays all products in a grid or 1. List Apsmat.
But listing Page: Displays au grand
to the Pano holes produce
es description, price, reviews, etc. as description, price, reviews, etc.
Cart Page: Allows ason in the manager options
· Cart Page: Allows users to bear seather and options. · Checkout Page: Processes orders with payment options. · Order Confirmation Page: Displays purchase details after checkout.
· Order Confirmation 196. 24
se se pensive design:
LAPORT FREE THE VIEW AND THE PROPERTY OF THE P
· Optimize performance for low-end devices.
Signature No.

Date
A LITERATIONS
* Backend Requirements (Sarity CMS)
1. He don't Cale towards
1. Use Sanity CMS to manage:
· Products: Add, update, and delete products.
Orders: Store austomer order details.
. Thous. Manage wer allowing
2. Draft schemas for each major entity in Sanity (e.g., Products, Orders, Users).
2. Dealt schemas for each major entity in sandy
Orders, Users).
Oraen, oson).
T. Man D/O.
- For example:
1 1-6-12-5
export default {
name: "product",
type: "Jocument",
title: "Product",
fields: L " + " +itle . " Product Name 3 ,
Ename: "name type. sumber" title: "Price &
Ename: "price" type. " tange. "text" title: " Description "
Ename: "name type: 310 mg, type: "Price? Iname: "price", type: "number", title: "Price? Ename: "description", type: "text", title: "Description"? Ename: "description" type: "title: "Product Image";
Ename: "description", type: text the Product Image"; title: "Product Image";
- 2
* Third-Party APIs Integrale APIs for:
* Third - Party APIS
Integrate APIs for:
- DDI II II and the to
1 Payment Grateways (e.g., Stripe, Paylal): Handle seeme transaction
2. Shipment Isacking (e.g., Shippo, Easy Post): Provide order brack
2. Shipment Tracking (e.g., Shippo, Easy Post): Provide order track
3. Authentication (e.g. Firebose Autha). Enable serves Josin
3. Authentication (e.g., Firebase, Autho): Enable secure login
No.

and user management. Step 2: Design Dystem Architecture 1- Create a Visual diagram showing component interactions. Tools
like Lucidchart or pen-and-paper work well Example Aschitecture: Frontend (React/Next. is) -- > Product API Sanity CMS Payment Grateway | -- - > Payment API Shipment Tracking API Workflow Example · Step 1: User browses iproducts via the "Frontend". - Step 2: Frontend Jetches product data from Sanity CMS using the "Product API" · step 3: User adds items to the cart and checks out . step 4: Payment Grateway processes the transaction. Step 5: Shipment Tracking API provides real-time delivery updates

Step 3: Define API Requirements

* Endpoints Overview

Endpoint	Method	Puspose	Response Example
1/products	GIET	Fetch all available products.	2"id": 1, "name": "Sofa A", "price": 200, "stock": 10, "image": "url"?
Worder.	POST	Create a new order	§ "order Id": 123, "status": "Success", "total": 300 }
1/shipment-status	GIET	Track shipment stalus	{"status": "In Transit", "ETA": "3 days"}

* Explanation:

product: Fetches a list of all products available in the marketplace. This endpoint will be used to display product detail like name, price, stock, and images on the frentend.

Jordess: Allows the creation of a new order. The frontend will interact with this endfoint when a user completes a checkout.

Can check the shipment status, including estimated delivery time

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Conclusion :-

By the end of this uphase, I aim to have:

- 1 A clear technical uplan what aligns with my business goals.

 2 My system architecture diagram showing how components interact.

 3 API documentation for my key endpoints like Toxoducter, Vosders.

 and Tshipment-Status.
- 4 Desafted Savity CMS schemas for entities such as products and orders
 5 A detailed workflow explanation outlining how my marketplace
 function

This foundation will ensure that my project transitions seamlessly into the development phase, setting the stage for a scalable and efficient marketplace. marketplace