



MUHAMMAD TARIQ MAHBUB.

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CR/41C

SUNDAY - 2 To 5

Date 16-1-25

DAY-2 PLANNING THE TECHNICAL FOUNDATION.

After completing the documentation of the Marketplace type and the E-commerce website data schema with a tracking diagram. Now it is time to lay the ground work for the TECHNICAL FOUNDATION.

GOALS FOR DAY-2

Technology Stack. Selection

- I have to Finalize the tools, frameworks, and programming languages to be used.

TOOLS & LIBRARIES.

Frontend

- Next.js
- TypeScript
- Tailwind CSS
-

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Backend

Sanity CMS

- Configure Sanity CMS as the backend to manage content and product data.
- Define Schemas for Products, Categories, users and others in Sanity.
- Plan for the real-time updates and structured content queries using GROQ.

COMMUNICATION BETWEEN FRONT-END AND BACK-END.

I Setup APIs to fetch data from Sanity CMS.

I will ensure proper mapping between front-end components and backend data.

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DATABASE & CONTENT STRATEGY.

I will structure the content ranking in Sanity to ensure scalability and easy content updates.

DEPLOYMENT WORKFLOW.

- I will configure environment variables for secure integration with Sanity CMS.
- Deployment process for Sanity Studio and Next.js frontend.

APIs Integration

- APIs for Payment processing or third-Party Services, Payment Gateway.
- APIs fetching, APIs Get, APIs Post

CONTENT UPDATES IN SANITY CMS

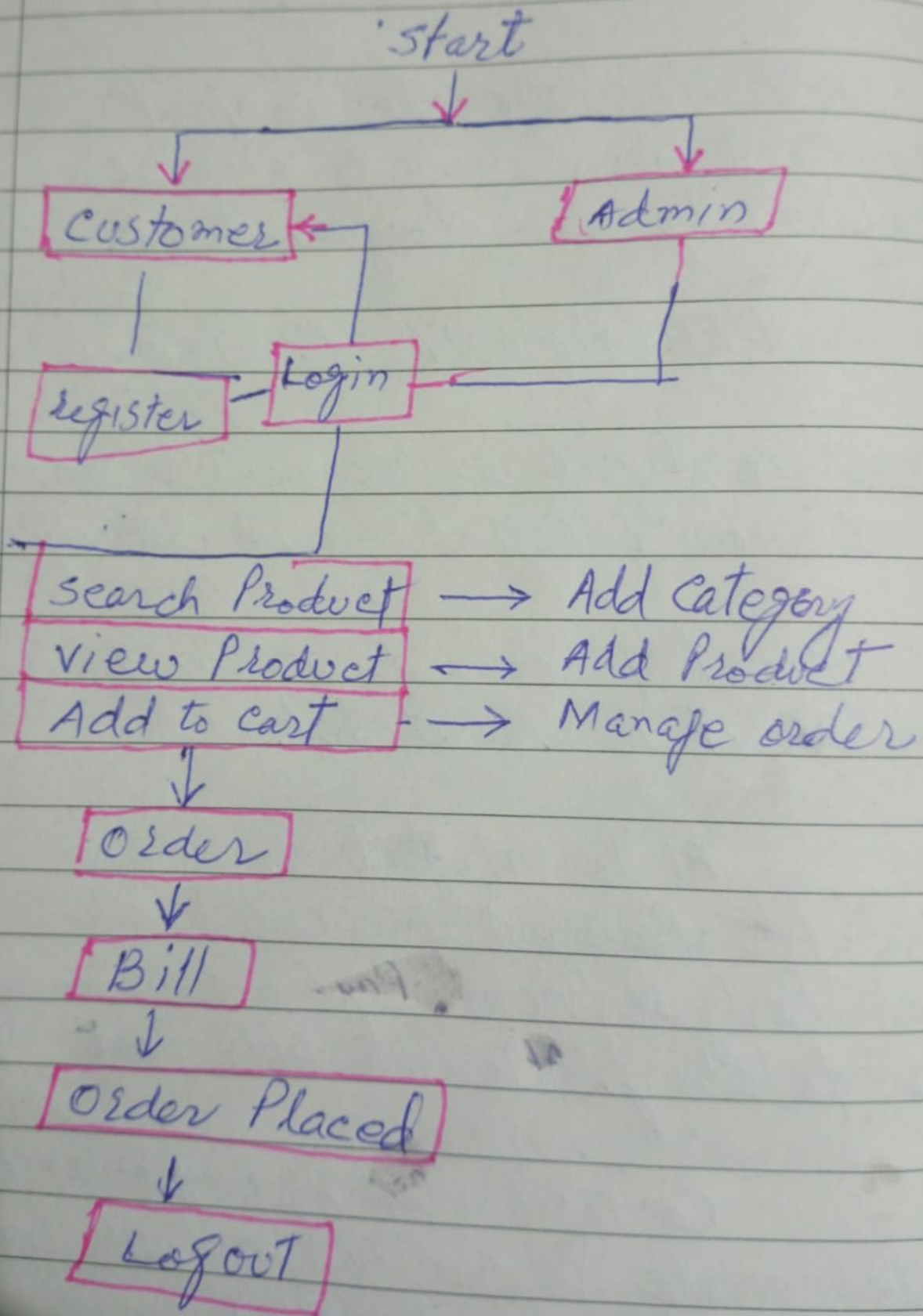
- updates made in Sanity CMS will reflect dynamically on the frontend.

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Frontend Requirements Flow Chart.

Date _____





Date

SYSTEM ARCHITECTURE DIAGRAM.

