

DAY 2 PLANNING THE TECHNICAL FOUNDATION IN URDU!

Day 2 ka Goal:

Aaj ka kaam hai apni business planning ju ap logo ne kal paper work krke banai thi usko technical planning mein badalna hai. Yani, aapko apne marketplace ke liye ek aisa plan banana hai jo technical tareeqe se kaam kare.

1. Technical Requirements Define Karna:

- **Frontend:** Aapko ek achha user interface design karna hai jisme homepage, product listing, cart, aur checkout pages hon. (90% students ne ui tu banai hui ha hackathone 2 wali so jisne apna template change kia ha usko is step pr work karna parhe ga).
 - **Sanity CMS:** Sanity CMS ko use karna hai taake products aur orders ko manage kiya ja sake.
 - **Third-Party APIs:** Payment gateways, shipment tracking ke liye external services ko integrate karna.
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2. System Architecture Ka Plan Banana: (ya ap doc ya notepad ya paper pr bana sakte ha)

- Apne system ka ek simple diagram banayein. Jaise:
 - **Frontend (Next.js)** se **Sanity CMS** aur **APIs** ko connect karna.
 - Diagram se yeh samajh aaye ke kaunse parts kaise interact karte hain.

Diagram: [Frontend (Next.js)]

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[Sanity CMS] --> [Product Data API]

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[Third-Party API] --> [Shipment Tracking API]

|

[Payment Gateway]

3. API Requirements Plan Karna:

- APIs ka structure banana hai. Jaise:
 - **Endpoint Name:** /products
 - **Method:** GET
 - **Purpose:** Products ki details fetch karna.
- **API Schema Example:**

```
export default {  
  name: "product",  
  type: "document",  
  title: "Product",  
  fields: [  
    {  
      name: "name",  
      type: "string",  
      title: "Product Name",  
    },  
    {  
      name: "price",  
      type: "number",  
      title: "Price",  
    },  
    {  
      name: "description",  
      type: "text",  
      title: "Description",  
    },  
  ],  
}
```

4. Documentation Likhiye:

- Sab kuch likhna hoga:
 - System ka architecture
 - API requirements
 - Workflow diagrams
 - Sanity schemas

Isse sab kuch clear ho jayega ke aapka system kaise kaam karega.

5. Group Discussions Aur Feedback Lena:

- Aap apne peers ke saath apne plan pe discussion kar sakte hain, taake koi better idea mil sake.
 - Apna plan mentors ko dikhayein aur feedback lein.
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Key Outcome: Aaj ke end tak aapke paas hona chahiye:

1. Ek clear technical plan.
 2. System ka ek diagram.
 3. APIs ka documentation.
 4. Sanity schema draft.
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Simplified Approach:

1. **Plan:** Apni website ka basic structure samajh ke likh lo.
 2. **Draw Diagram:** Ek simple diagram bana lo jisme yeh dikhayein ke components kaise kaam karenge.
 3. **APIs Define Karo:** APIs ke basic endpoints likho.
 4. **Write Documentation:** Sab kuch likh lo taake aapke ideas clear ho.
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This is not official Doc it's only for help! Hope it helps you all....**Best Of Luck !**

Regards: ALeema Khan (**Student Leader**)

Slot: Saturday 2 to 5

Teachers: Sir Muhammad Bilal & Sir Ali Aftab Sheikh !

