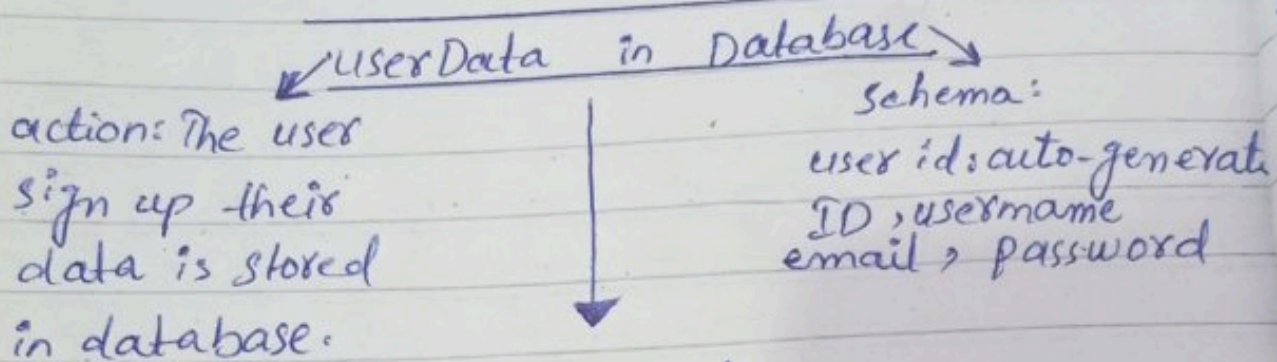
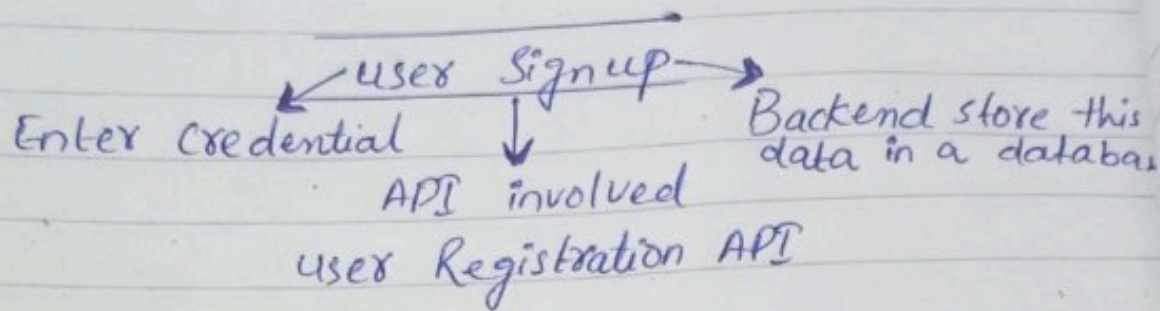
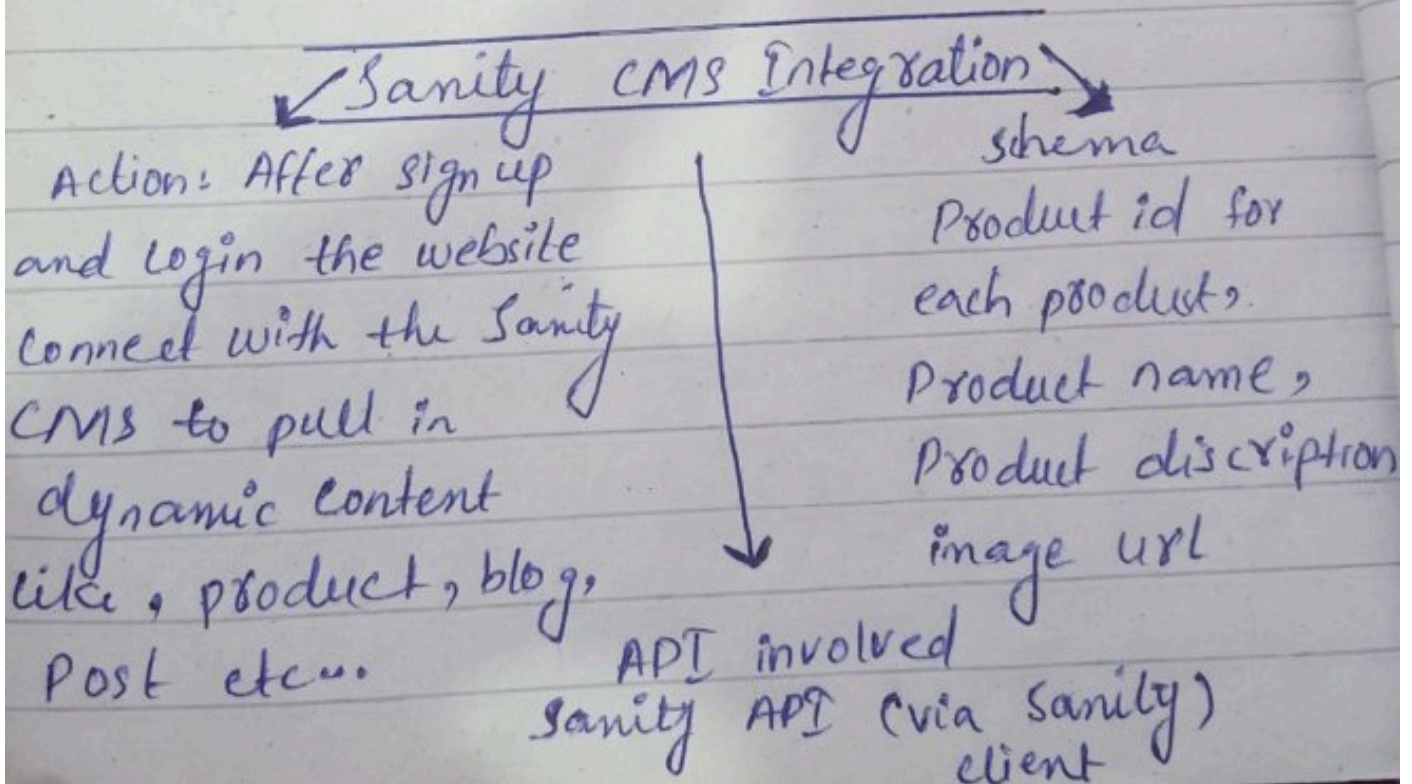


Day : 02

"Technical Foundation for my Furniture Marketplace"



API involved
Database API to create records in the user table



User Journey:

- 1- First user visits the website.
- 2- User sign up by filling the form.
- 3- Frontend sends the data to the backend API
- 4- Backend store the user data in database.
- 5- User log in and accesses their personalized dashboard.

e.g.:

user → { Frontend : signup form }
→ { API : singup }
→ { Database : store Data }

user → { Frontend : login form }
→ { API : login }
→ { Database : verify user }

API Workflow

Endpoints:

- Signup API: /api/signup

- Method: POST

- Payload: {name, email, password}

- Response

```
{
```

```
  "success" : true,
```

```
  "UserID" : "1234"
```

- Login API: /api/login

- Method: POST

- Payload: {email, password}

- Response:

```
{ "success" : true,
```

```
  "token" : "abcd123" }
```

e.g: diagram

Frontend → [POST: /api/signup] → Backend
→ Database: store user data

Frontend → [POST: /api/login] → Backend
→ Database: validate credentials

data Schema:

```
{ "name": "user",  
  "field": "string",  
  "email": "string",  
  "password": "string" }  
}
```

Frontend Sanity API integration:

```
const sanityClient = require('@sanity/client');  
const client = sanityClient({
```

```
  project: '<your-project-id>',  
  dataset: 'production',  
  useCdn: true })
```

```
const query = '*[_type == product]';  
const products = await client.fetch(query);
```

Sanity CMS → [API fetch product]
→ Frontend → [Display product]

Security Measures

- 1- password should be hashed using libraries like bcrypt before storing ~~libraries~~ in database.
- 2- Use JWT (JSON WEB TOKENS) for secure authentications.

(Deployment and hosting)

Frontend hosting

- use vercel for hosting frontend.

Sanity integration

- Sanity CMS is cloud based, so on additional hosting is required.

Tools for Diagram creation

- Figma: for creating detailed and interactive diagram.
- Excali draw: For simple and quick sketches.