Day 3 - Foundation For My MarketPlace Journey

GharLeLo Corporation

"Jahan Ghar Milta Hai, Aapke Liye."

By: Bisma Gondal

"API INTEGRATION & MIGRATION"

Day 3 Documentation: Overcoming Challenges with Sanity

Today was all about persistence and problem-solving as I tackled Day 3 of my project. The focus was on getting familiar with Sanity, resolving unexpected errors, and setting a solid foundation for my real estate marketplace project, GharLeLo.

Key Outcomes of Day 3

1. Deep Dive into Sanity CMS:
    - Set up schemas for my marketplace, including property, seller, client, and broker.

- Configured image handling to enable users to upload property photos seamlessly.

2. Error Troubleshooting:
   - Faced issues where Sanity failed to authorize my account and denied me access.
   - Debugged errors related to @sanity/client, including API version validation and client initialization.
3. Mindset and Resilience:
   - Acknowledged setbacks from earlier delays but shifted my focus to self-improvement.
   - Learned the value of troubleshooting and adapting when working with new tools.

Key Commands and Solutions:

1. Initializing Sanity Client (Updated Approach)

The error with @sanity/client deprecated default export was fixed by using the new createClient method:

```
import { createClient } from '@sanity/client';

const client = createClient({
  projectId: 'yourProjectId',
  dataset: 'yourDataset',
  apiVersion: '2023-01-01', // Use a valid date
  token: 'yourAuthToken',
  useCdn: false,
});
```

2. Valid API Version

Sanity requires a valid API version in the `YYYY-MM-DD` format. Updated my configuration to ensure compatibility.

```
apiVersion: '2023-01-01', // Replaced '1' with a proper date
```

3. Addressing Authorization Issues

When Sanity did not recognize me, I re-authenticated with the following command:

```
sanity login
```

4. To reset project permissions and ensure proper access:

`sanity manage`

5.Creating and Migrating Data

Added dummy data to test functionality using a migration script.

```
node scripts/importSanityData.mjs
```

Validated the data in the Sanity dashboard after upload as:

`localhost3000:/studio/sanity` in the search tab

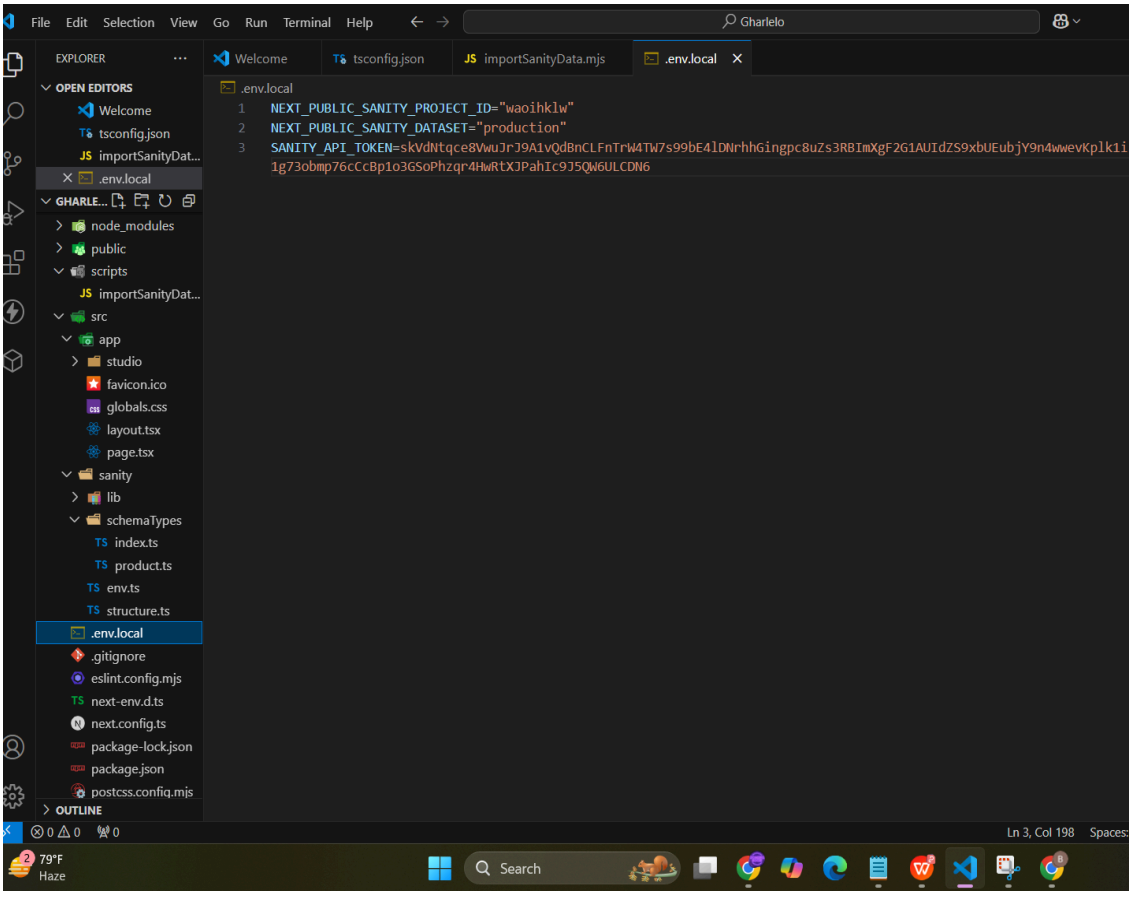
Challenges Faced and Lessons Learned

1. Sanity Authorization Issue:
    - Sanity repeatedly denied access, claiming I was not a member of the project.
    - Lesson: Always double-check credentials and permissions in the Sanity management dashboard.
2. Errors with API Version and Deprecations:
    - Encountered errors due to outdated methods in `@sanity/client`.
    - Lesson: Stay updated with documentation and implement recommended changes promptly.
3. Schema Refinements:

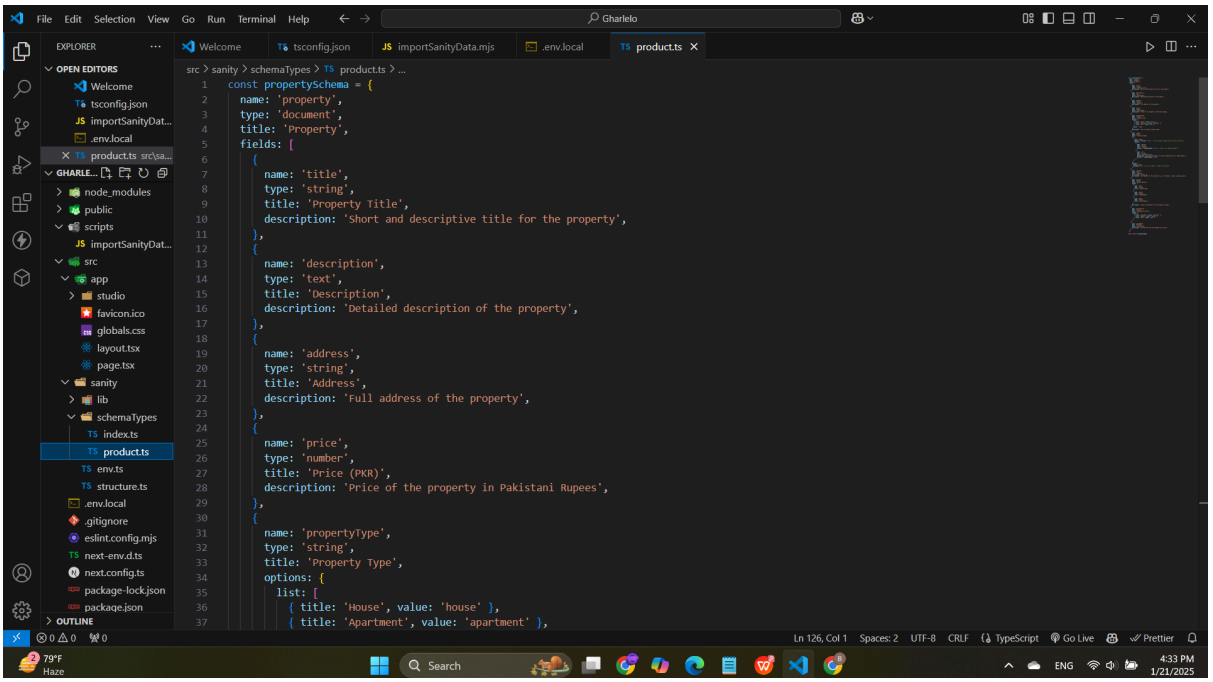
- **Modified my schema to ensure sensitive seller information can be hidden for privacy.**

Self Validation:

env-file

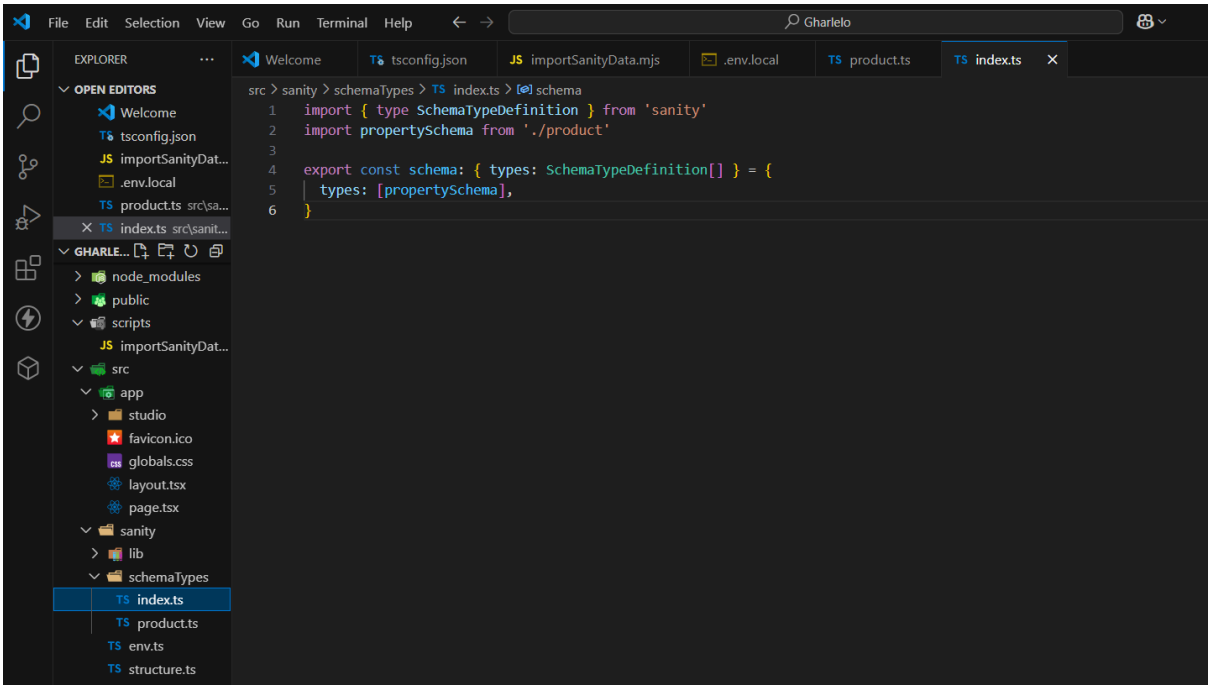


Data Schema



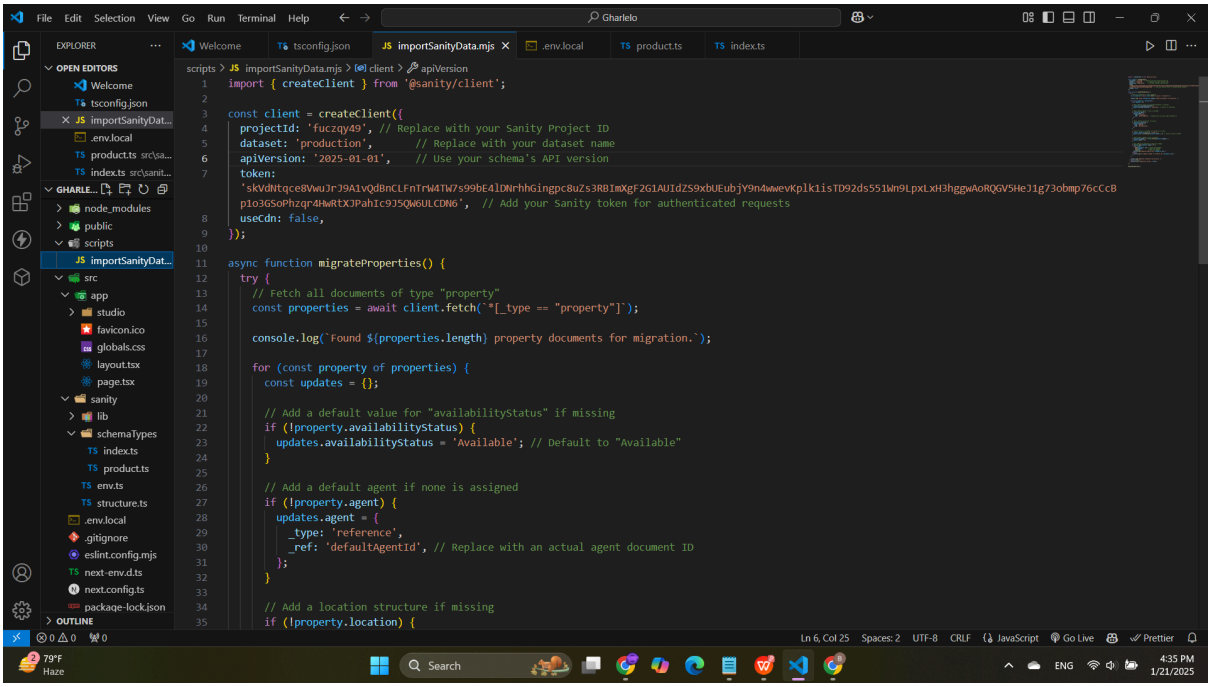
```ts
const propertySchema = {
  name: 'property',
  type: 'document',
  title: 'Property',
  fields: [
    {
      name: 'title',
      type: 'string',
      title: 'Property Title',
      description: 'Short and descriptive title for the property',
    },
    {
      name: 'description',
      type: 'text',
      title: 'Description',
      description: 'Detailed description of the property',
    },
    {
      name: 'address',
      type: 'string',
      title: 'Address',
      description: 'Full address of the property',
    },
    {
      name: 'price',
      type: 'number',
      title: 'Price (PKR)',
      description: 'Price of the property in Pakistani Rupees',
    },
    {
      name: 'propertyType',
      type: 'string',
      title: 'Property Type',
      options: {
        list: [
          { title: 'House', value: 'house' },
          { title: 'Apartment', value: 'apartment' },
```

Index.ts



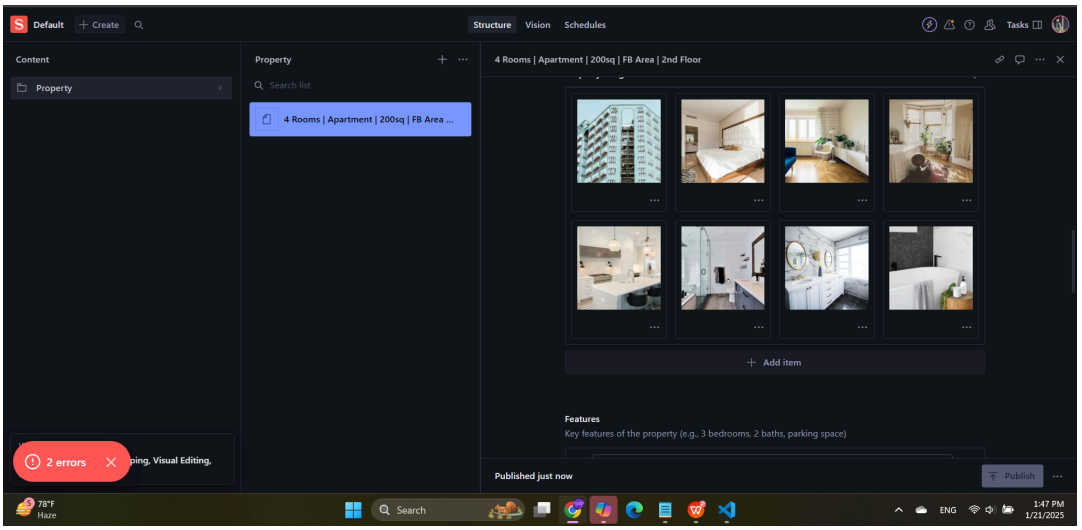
```ts
import { type SchemaTypeDefinition } from 'sanity'
import propertySchema from './product'

export const schema: { types: SchemaTypeDefinition[] } = {
  types: [propertySchema],
}
```

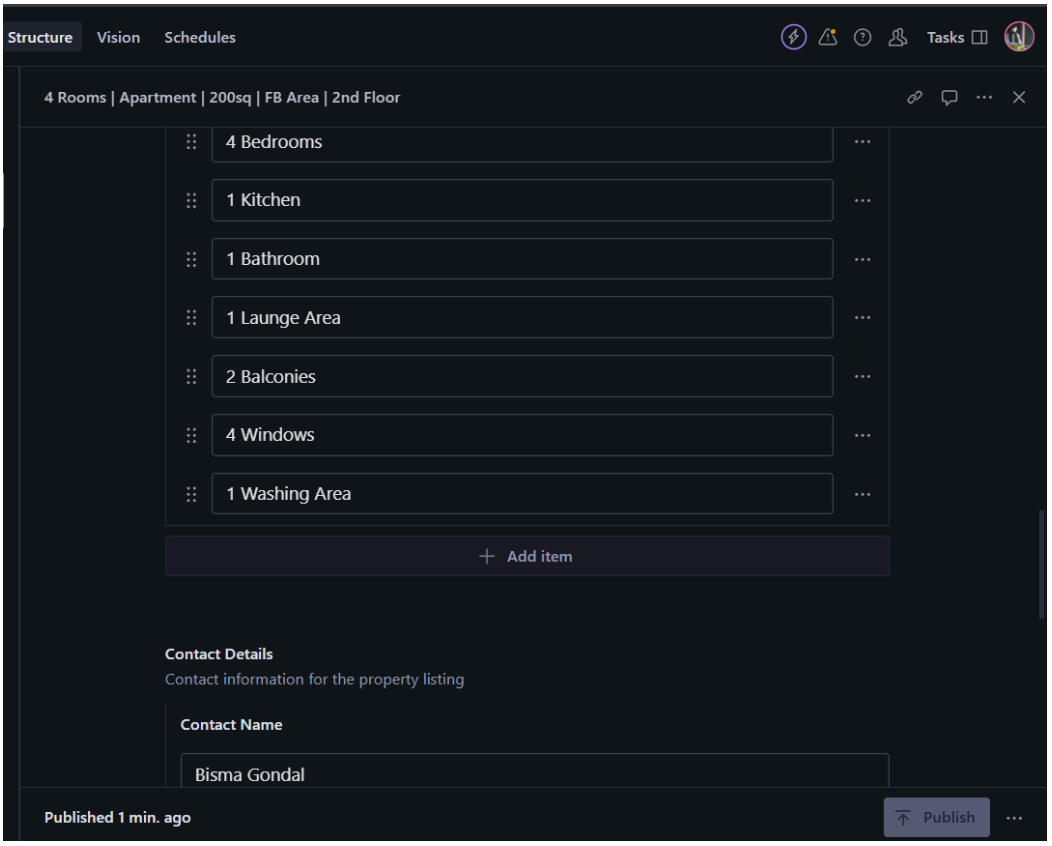
Migration file (mjs)

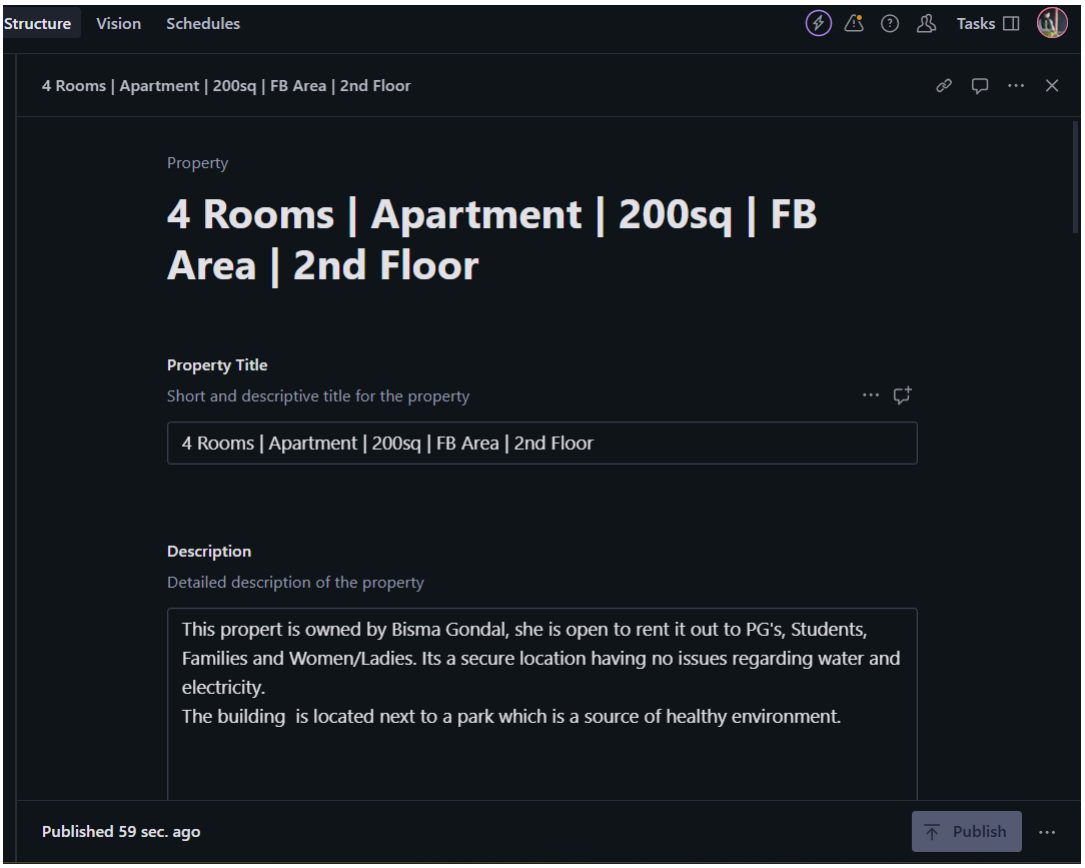


```
import { createClient } from '@sanity/client';

const client = createClient({
  projectId: 'fuczqy49', // Replace with your Sanity Project ID
  dataset: 'production',       // Replace with your dataset name
  apiVersion: '2025-01-01',    // Use your schema's API version
  token:
  'skVdNtqce8VwuJrJ9A1vQdBnCLFnTrW4TW7s99bE4lDNrhhGingpc8uZs3RBImXgF2G1AUIdZS9xbUEubjY9n4wwevKplk1isTD92ds551Wn9LpxLxH3hggwAoRQGV5HeJ1g73obmp76cCcB
  p1o3GSoPhzqr4HwRtXJPahIc9J5QW6ULCDN6',  // Add your Sanity token for authenticated requests
  useCdn: false,
});

async function migrateProperties() {
  try {
    // Fetch all documents of type "property"
    const properties = await client.fetch(`*[_type == "property"]`);

    console.log(`Found ${properties.length} property documents for migration.`);

    for (const property of properties) {
      const updates = {};

      // Add a default value for "availabilityStatus" if missing
      if (!property.availabilityStatus) {
        updates.availabilityStatus = 'Available'; // Default to "Available"
      }

      // Add a default agent if none is assigned
      if (!property.agent) {
        updates.agent = {
          _type: 'reference',
          _ref: 'defaultAgentId', // Replace with an actual agent document ID
        };
      }

      // Add a location structure if missing
      if (!property.location) {
```

Sanity CMS Studio Appearance




Structure
Vision
Schedules
Tasks
4 Rooms | Apartment | 200sq | FB Area | 2nd Floor
4 Bedrooms
1 Kitchen
1 Bathroom
1 Launge Area
2 Balconies
4 Windows
1 Washing Area
Add item
Contact Details
Contact information for the property listing
Contact Name
Bisma Gondal
Published 1 min. ago
Publish


Structure
Vision
Schedules
Tasks
4 Rooms | Apartment | 200sq | FB Area | 2nd Floor
Property
4 Rooms | Apartment | 200sq | FB Area | 2nd Floor
Property Title
Short and descriptive title for the property
4 Rooms | Apartment | 200sq | FB Area | 2nd Floor
Description
Detailed description of the property
This propert is owned by Bisma Gondal, she is open to rent it out to PG's, Students, Families and Women/Ladies. Its a secure location having no issues regarding water and electricity.
The building is located next to a park which is a source of healthy environment.
Published 59 sec. ago
Publish

Conclusion of Day 3

Today wasn't just about coding; it was about growth. Errors tried to pull me back, but I kept pushing forward, proving to myself that persistence pays off. While I started off behind, I've built momentum to move closer to my goal.