FurniStore API Integration Report

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Migration Steps and Tools Used

Migration Overview:

In this project, the product schema was migrated from the default schema to a custom schema. This migration was necessary to tailor the data structure specifically to the furniture marketplace's requirements.

Tools Used:

- **Sanity CMS:** A content management system used for schema management.
- **TypeScript (TS):** For defining the custom schema in the Sanity content studio.

Migration Steps:

1. **Identify Default Schema:**
   - Initially, the default product schema provided by Sanity was examined. This schema was not suitable for the specific needs of the furniture marketplace project, particularly for the product data structure.
2. **Design Custom Schema:**

- A custom schema was designed that included essential fields such as ID, image, title, and price. This schema was created with a focus on future scalability and ensuring it supports the unique requirements of the furniture marketplace.

3. **Map Existing Data to New Schema:**
   - The existing product data was reviewed to ensure that it could be mapped effectively to the new schema structure. Fields like product ID, title, image, and price were mapped appropriately to the custom schema fields.

4. **Implement Schema in Sanity CMS:**
   - The custom schema was implemented in the Sanity CMS content studio. This included defining the fields for product data, such as the product ID, title, image, and price.

5. **Migrate Content to New Schema:**
   - The content that was stored in the default schema was migrated to the new custom schema. This involved updating the product records in the CMS to match the new schema structure.
   - This migration was performed using Sanity's content management interface and custom migration scripts where necessary.

6. **Validation:**
   - After the migration, a thorough validation process was conducted to ensure the integrity of the data. All fields were checked to ensure they aligned with the new custom schema.

Current Schema Structure:

1. **Product ID:**
- **Field Name:** id
- **Type:** number
- **Title:** A unique identifier for each product.

Example Code:

```
{
  name: 'id',
  type: 'number',
  title: 'Product ID',
}
```

2. Product Image:

- **Field Name: image**
- **Type: image**
- **Title: The main image representing the product.**

Example Code:

```
{
  name: 'image',
  type: 'image',
  title: 'Product Image',
}
```

3. Product Title:

- **Field Name: title**
- **Type: string**
- **Title: The name of the product.**

Example Code:

```
{
  name: 'title',
  type: 'string',
  title: 'Product Title'
}
```

4. Product Price:

- **Field Name: price**
- **Type: string**
- **Title: The price of the product.**

Example Code:

```
{
  name: 'price',
  type: 'string',
  title: 'Product Price',
}
```

Conclusion:

The migration process successfully transitioned the product data to a custom schema designed specifically for the furniture marketplace. This custom schema defines the structure for product data, including fields for the product ID, image, title, and price.