Schemas:-

schema flow for an e-commerce website, integrating **Sanity CMS** for managing content and product data are as below.

1-Product Schema (Sanity)

This schema holds information related to individual products.

```
export default {
 name: 'product',
 title: 'Product',
 type: 'document',
 fields: [
  {
   name: 'name',
   title: 'Product Name',
   type: 'string',
  },
    name: 'slug',
   title: 'Slug',
   type: 'slug',
   options: {
     source: 'name',
     maxLength: 96,
   },
  },
```

```
name: 'price',
 title: 'Price',
 type: 'number',
},
 name: 'description',
 title: 'Description',
 type: 'text',
},
 name: 'category',
 title: 'Category',
 type: 'reference',
 to: [{ type: 'category' }],
},
 name: 'image',
 title: 'Product Image',
 type: 'image',
 options: {
  hotspot: true,
 },
 name: 'stockQuantity',
```

```
title: 'Stock Quantity',
type: 'number',
},
{
name: 'isAvailable',
title: 'Is Available',
type: 'boolean',
default: true,
},
],
};
```

2. Category Schema (Sanity)

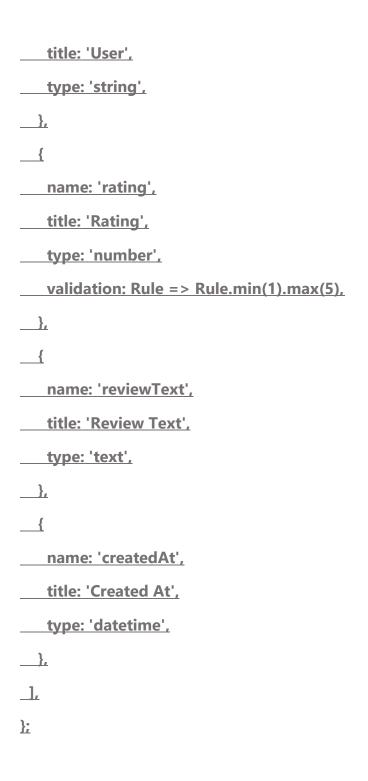
Helps in filtering products based on categories.

```
export default {
    name: 'category',
    title: 'Category',
    type: 'document',
    fields: [
      {
        name: 'name',
        title: 'Category Name',
        type: 'string',
```

```
},
{
   name: 'description',
   title: 'Description',
   type: 'text',
},
],
```

3. Review Schema (Sanity)

Allow customers to leave reviews for products.



4. Content Pages Schema (Sanity)

Used for managing static pages like "Terms and Conditions".

export default {

name: 'contentPage',
title: 'Content Page',
type: 'document',
fields: [
{
name: 'title',
title: 'Title',
type: 'string',
_},
_{
name: 'slug',
title: 'Slug',
<u>type: 'slug',</u>
options: {
source: 'title',
maxLength: 96,
},
_{{
name: 'body',
title: 'Body Content',
type: 'blockContent',
_}.
_],
<u>}:</u>

5. User Schema (Sanity)

This schema can hold basic user data like name, email, and user role (e.g., admin, customer).

export default { name: 'user', title: 'User', type: 'document', fields: [{ name: 'name', title: 'Name', type: 'string', ___}, { name: 'email', title: 'Email', type: 'string', name: 'role', title: 'Role', type: 'string', options: { list: [

```
{ title: 'Admin', value: 'admin' },

{ title: 'Customer', value: 'customer' },

},

},

},

};
```

6. Order Schema (Sanity)

create an **order schema** for managing orders through Sanity, tracking items purchased, total, etc.

```
of: [{ type: 'reference', to: [{ type: 'product' }] }],
{
name: 'totalAmount',
title: 'Total Amount',
type: 'number',
__{
name: 'status',
title: 'Order Status',
type: 'string',
<u>options: {</u>
list: ['Pending', 'Processing', 'Shipped', 'Delivered', 'Cancelled'],
___},
__{
name: 'createdAt',
title: 'Created At',
type: 'datetime',
_],
};
```

7. Cart Schema (Sanity)

This schema helps manage the cart's state and the products users intend to purchase.

```
export default {
name: 'cart',
title: 'Cart',
type: 'document',
fields: [
__{
name: 'user',
title: 'User',
type: 'reference',
____to: [{ type: 'user' }],
__{
name: 'products',
title: 'Products',
type: 'array',
of: [{ type: 'reference', to: [{ type: 'product' }] }],
_},
name: 'totalAmount',
title: 'Total Amount',
type: 'number',
],
<u>};</u>
```

Final Schema Flow Overview

- 1. **Product Schema** stores all product details and links to the **Category Schema**.
- 2. Category Schema stores information about different product categories.
- 3. **Review Schema** lets users review products and links back to the **Product Schema**.
- 4. Content Pages Schema handles static content like "Terms and Conditions".
- 5. **User Schema** stores user profile details.
- 6. **Order Schema** helps manage order data (though transactional data will live in MongoDB).
- 7. **Cart Schema** stores user cart data until checkout.

This schema structure ensures that your **Sanity CMS** can efficiently manage all content-related data while also maintaining flexibility to support product catalog, customer interaction, and static pages.