Marketplace-Technical-Foundation General-E-Commerce Furniture Website

Product Schema

```
export default {
  name: 'product',
  title: 'Product',
  type: 'document',
  fields: [
    {
      name: 'name',
      title: 'Name',
      type: 'string',
      description: 'Name of the product',
      validation: Rule => Rule.required(),
    },
    {
      name: 'slug',
      title: 'Slug',
      type: 'slug',
      options: {
        source: 'name', maxLength: 96,
      },
    },
    {
      name: 'price',
      title: 'Price',
```

```javascript
      type: 'number',
      description: 'Price of the product',
      validation: Rule => Rule.required().min(0),
    },
    {
      name: 'description',
      title: 'Description',
      type: 'text',
      description: 'Detailed description of the product',
    },
    {
      name: 'image',
      title: 'Image',
      type: 'image',
      options: {
        hotspot: true,
      },
    },
    {
      name: 'stock',
      title: 'Stock',
      type: 'number',
      description: 'Number of items in stock',
      validation: Rule => Rule.required().min(0),
    },
    {
      name: 'category',
      title: 'Category',
      type: 'reference',
      to: [{ type: 'category' }],
    },
  ],
};
```

2. Category Schema

javascript
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```javascript
export default {
  name: 'category',
  title: 'Category',
  type: 'document',
  fields: [
    {
      name: 'name',
      title: 'Name',
      type: 'string',
      description: 'Name of the category',
      validation: Rule => Rule.required(),
    },
    {
      name: 'slug',
      title: 'Slug',
      type: 'slug',
      options: {
        source: 'name',
        maxLength: 96,
      },
    },
    {
      name: 'description',
      title: 'Description',
      type: 'text',
      description: 'Brief description of the category',
    },
  ],
};
```

3. Order Schema

```javascript
javascript
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export default {
  name: 'order',
  title: 'Order',
  type: 'document',
```

```
  fields: [
    {
      name: 'user',
      title: 'User',
      type: 'reference',
      to: [{ type: 'user' }],
    },
    {
      name: 'products',
      title: 'Products',
      type: 'array',
      of: [
        {
          type: 'object',
          fields: [
            {
              name: 'product',
              title: 'Product',
              type: 'reference',
              to: [{ type: 'product' }],
            },
            {
              name: 'quantity',
              title: 'Quantity',
              type: 'number',
              validation: Rule => Rule.required().min(1),
            },
          ],
        },
      ],
    },
    {
      name: 'status',
      title: 'Status',
      type: 'string',
      options: {
        list: ['Pending', 'Processing', 'Shipped', 'Delivered',
'Cancelled'],
      },
```

```javascript
      validation: Rule => Rule.required(),
    },
    {
      name: 'totalPrice',
      title: 'Total Price',
      type: 'number',
      description: 'Total price of the order',
      validation: Rule => Rule.required().min(0),
    },
    {
      name: 'createdAt',
      title: 'Created At',
      type: 'datetime',
      options: {
        defaultValue: new Date().toISOString(),
      },
    },
  ],
};
```

4. User Schema

```javascript
CopyEdit
export default {
  name: 'user',
  title: 'User',
  type: 'document',
  fields: [
    {
      name: 'name',
      title: 'Name',
      type: 'string',
      validation: Rule => Rule.required(),
    },
    {
      name: 'email',
      title: 'Email',
```

```
      type: 'string',
      validation: Rule => Rule.required().email(),
    },
    {
      name: 'password',
      title: 'Password',
      type: 'string',
      description: 'Hashed password',
    },
    {
      name: 'address',
      title: 'Address',
      type: 'text',
    },
    {
      name: 'phone',
      title: 'Phone Number',
      type: 'string',
    },
  ],
};
```

Relationships

1. **Product → Category**

2. Each product references a `Category`. This creates a relationship between products and their respective categories.

3. **Order → User**

Each order references a `User` to track who placed the order.

4. **Order → Product**

The `Order` schema includes an array of product references with their quantities.