

DATA SCHEMA DESIGN

- Product Schema:

```
1 export default {
2   name: 'product',
3   type: 'document',
4   title: 'Product',
5   fields: [
6     {
7       name: 'name',
8       type: 'string',
9       title: 'Product Name',
10    },
11    {
12      name: 'description',
13      type: 'string',
14      title: 'Description'
15    },
16    {
17      name: 'price',
18      type: 'number',
19      title: 'Product Price',
20    },
21    {
22      name: 'discountPercentage',
23      type: 'number',
24      title: 'Discount Percentage',
25    },
26    {
27      name: 'priceWithoutDiscount',
28      type: 'number',
29      title: 'Price Without Discount',
30      description: 'Original price before discount'
31    },
32    {
33      name: 'rating',
34      type: 'number',
35      title: 'Rating',
36      description: 'Rating of the product'
37    },
38    {
39      name: 'ratingCount',
40      type: 'number',
41      title: 'Rating Count',
42      description: 'Number of ratings'
43    },
44    {
45      name: 'tags',
46      type: 'array',
47      title: 'Tags',
48      of: [{ type: 'string' }],
49      options: {
50        layout: 'tags'
51      },
52      description: 'Add tags like "new arrival", "bestseller", etc.'
53    },
54    {
55      name: 'sizes',
56      type: 'array',
57      title: 'Sizes',
58      of: [{ type: 'string' }],
59      options: {
60        layout: 'tags'
61      },
62      description: 'Add sizes like S , M , L , XL , XXL'
63    },
64    {
65      name: 'image',
66      type: 'image',
67      title: 'Product Image',
68      options: {
69        hotspot: true // Enables cropping and focal point selection
70      }
71    }
72  ]
73 };
74
```

- Order Schema:

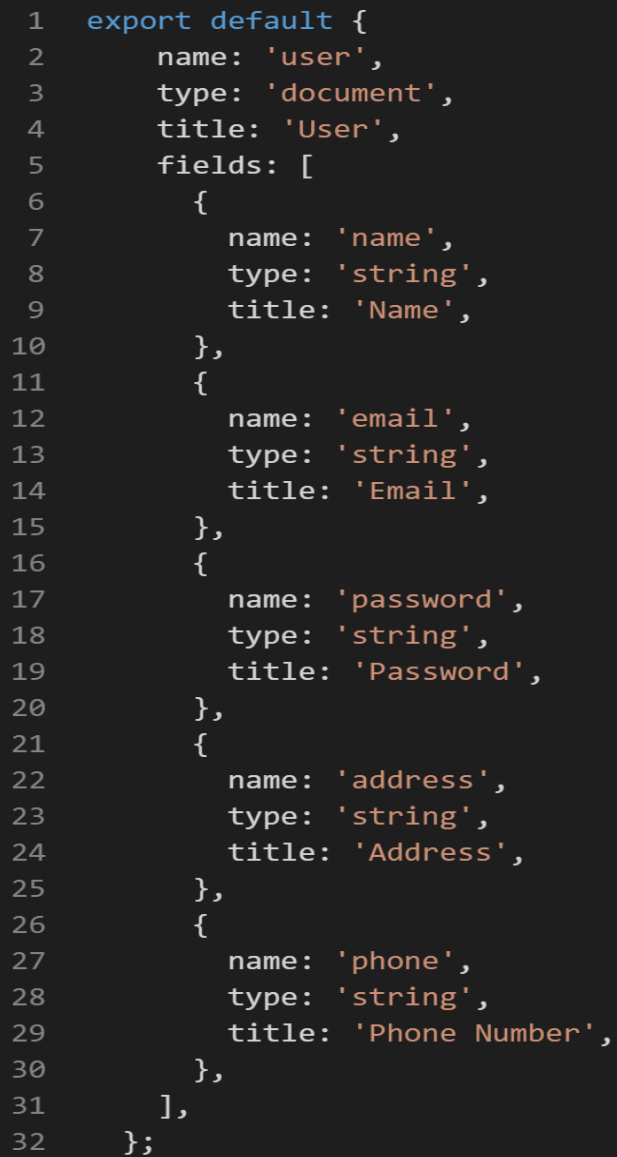
```
1 export default {
2   name: 'order',
3   type: 'document',
4   title: 'Order',
5   fields: [
6     {
7       name: 'user',
8       type: 'reference',
9       to: [{ type: 'user' }],
10      title: 'User',
11    },
12    {
13      name: 'products',
14      type: 'array',
15      title: 'Products',
16      of: [
17        {
18          type: 'object',
19          fields: [
20            { name: 'product', type: 'reference', to: [{ type: 'product' }], title: 'Product' },
21            { name: 'quantity', type: 'number', title: 'Quantity' },
22          ],
23        },
24      ],
25    },
26    {
27      name: 'totalAmount',
28      type: 'number',
29      title: 'Total Amount',
30    },
31    {
32      name: 'status',
33      type: 'string',
34      title: 'Order Status',
35      options: {
36        list: [
37          { title: 'Pending', value: 'pending' },
38          { title: 'Shipped', value: 'shipped' },
39          { title: 'Delivered', value: 'delivered' },
40        ],
41      },
42    },
43    {
44      name: 'paymentMethod',
45      type: 'string',
46      title: 'Payment Method',
47    },
48    {
49      name: 'createdAt',
50      type: 'datetime',
51      title: 'Order Date',
52    },
53  ],
54 };
```

- Category Schema:



```
1  export default {
2      name: 'category',
3      type: 'document',
4      title: 'Category',
5      fields: [
6          {
7              name: 'title',
8              type: 'string',
9              title: 'Category Title',
10         },
11         {
12             name: 'description',
13             type: 'text',
14             title: 'Description',
15         },
16     ],
17 };;
```

- User Schema:



```
1  export default {
2    name: 'user',
3    type: 'document',
4    title: 'User',
5    fields: [
6      {
7        name: 'name',
8        type: 'string',
9        title: 'Name',
10     },
11     {
12       name: 'email',
13       type: 'string',
14       title: 'Email',
15     },
16     {
17       name: 'password',
18       type: 'string',
19       title: 'Password',
20     },
21     {
22       name: 'address',
23       type: 'string',
24       title: 'Address',
25     },
26     {
27       name: 'phone',
28       type: 'string',
29       title: 'Phone Number',
30     },
31   ],
32 };
```

Payment Schema:

```
1  export default {
2    name: 'payment',
3    type: 'document',
4    title: 'Payment',
5    fields: [
6      {
7        name: 'user',
8        type: 'reference',
9        to: [{ type: 'user' }],
10       title: 'User',
11     },
12     {
13       name: 'order',
14       type: 'reference',
15       to: [{ type: 'order' }],
16       title: 'Order',
17     },
18     {
19       name: 'amount',
20       type: 'number',
21       title: 'Amount',
22     },
23     {
24       name: 'paymentMethod',
25       type: 'string',
26       title: 'Payment Method',
27     },
28     {
29       name: 'status',
30       type: 'string',
31       title: 'Payment Status',
32       options: {
33         list: [
34           { title: 'Pending', value: 'pending' },
35           { title: 'Completed', value: 'completed' },
36         ],
37       },
38     },
39     {
40       name: 'transactionId',
41       type: 'string',
42       title: 'Transaction ID',
43     },
44   ],
45 };
46
47
```

- Shipment Schema:

```
1  export default {
2    name: 'shipment',
3    type: 'document',
4    title: 'Shipment',
5    fields: [
6      {
7        name: 'order',
8        type: 'reference',
9        to: [{ type: 'order' }],
10       title: 'Order',
11     },
12     {
13       name: 'trackingNumber',
14       type: 'string',
15       title: 'Tracking Number',
16     },
17     {
18       name: 'status',
19       type: 'string',
20       title: 'Shipment Status',
21       options: {
22         list: [
23           { title: 'Preparing', value: 'preparing' },
24           { title: 'Shipped', value: 'shipped' },
25           { title: 'Delivered', value: 'delivered' },
26         ],
27       },
28     },
29     {
30       name: 'deliveryDate',
31       type: 'datetime',
32       title: 'Estimated Delivery Date',
33     },
34   ],
35 };;
```