DAY 2 PLANNING THE TECHNICAL FOUNDATION

3. **Category-Specific Instructions**

Rental E-Commerce:

- Include workflows for rental duration and deposit management.

- **Example schema field:**

  - Rental Duration: Specifies the rental period (e.g., "7 days").

  - Deposit Amount: Stores the refundable deposit.

  - Condition Status: Tracks the condition of returned items.

General E-Commerce

- Focus on product browsing, cart management, and order placement workflows.

- Example endpoint: /products to fetch available items.

4. **API Endpoints**

Endpoint	Method	Purpose	Payload	Response Example
/products	GET	Fetches all product details	None	{ "id": 1, "name": "Table", "price": 500 }
/orders	POST	Creates a new order	{ "userId": 123, "items": [{...}] }	{ "orderId": 456, "status": "Success" }
/rental	POST	Adds rental details	{ "productId": 789, "duration": "7" }	{ "confirmationId": 321, "status": "Confirmed" }
/shipment	GET	Fetches shipment tracking data	{ "orderId": 456 }	{ "status": "In Transit", "ETA": "2 days" }

5. Sanity Schema Example

```
export default {

 name: 'product',

 type: 'document',

 fields: [

   { name: 'name', type: 'string', title: 'Product Name' },

   { name: 'price', type: 'number', title: 'Price' },

   { name: 'rentalPricePerDay', type: 'number', title: 'Rental Price Per Day' },

   { name: 'stock', type: 'number', title: 'Stock Level' },

   { name: 'availableForRental', type: 'boolean', title: 'Available for Rental' },

   { name: 'description', type: 'text', title: 'Product Description' },

   { name: 'images', type: 'array', of: [{ type: 'image' }], title: 'Product Images' },

   { name: 'category', type: 'reference', to: [{ type: 'category' }], title: 'Category' },

   { name: 'rentalDuration', type: 'string', title: 'Rental Duration' },

   { name: 'depositAmount', type: 'number', title: 'Deposit Amount' },

   { name: 'conditionStatus', type: 'string', title: 'Condition Status' },

 ]

};
```

```
export const orderSchema = {

 name: 'order',

 type: 'document',

 fields: [

   { name: 'userId', type: 'string', title: 'User ID' },

   { name: 'items', type: 'array', of: [{ type: 'reference', to: [{ type:
'product' }] }], title: 'Items' },

   { name: 'totalPrice', type: 'number', title: 'Total Price' },

   { name: 'paymentStatus', type: 'string', title: 'Payment Status' },

   { name: 'orderDate', type: 'datetime', title: 'Order Date' },

 ]

};
```

```
export const rentalSchema = {

 name: 'rental',

 type: 'document',

 fields: [

   { name: 'userId', type: 'string', title: 'User ID' },

   { name: 'productId', type: 'reference', to: [{ type: 'product' }],
title: 'Product' },

   { name: 'rentalDays', type: 'number', title: 'Rental Days' },

   { name: 'returnDate', type: 'datetime', title: 'Return Date' },

   { name: 'deposit', type: 'number', title: 'Deposit Amount' },

   { name: 'status', type: 'string', title: 'Rental Status' },

 ]

};
```

```
export const categorySchema = {

 name: 'category',

 type: 'document',

 fields: [

   { name: 'name', type: 'string', title: 'Category Name' },

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

 ]

};
```

```
export const shippingSchema =

{ name: 'shipping', type: 'document',

fields:

[ { name: 'orderId', type: 'reference', to: [{ type: 'order' }], title: 'Order ID' },

{ name: 'shipmentId', type: 'string', title: 'Shipment ID' },

{ name: 'carrier', type: 'string', title: 'Shipping Carrier' },

{ name: 'status', type: 'string', title: 'Shipment Status' },

// e.g., "In Transit", "Delivered" { name: 'trackingUrl', type: 'url', title: 'Tracking URL' },

{ name: 'estimatedDelivery', type: 'datetime', title: 'Estimated Delivery Date' },

{ name: 'actualDelivery', type: 'datetime', title: 'Actual Delivery Date' },

 { name: 'address', type: 'object', title: 'Shipping Address',

fields:

[ { name: 'street', type: 'string', title: 'Street' },

{ name: 'city', type: 'string', title: 'City' },

{ name: 'state', type: 'string', title: 'State' },

{ name: 'zipCode', type: 'string', title: 'Zip Code' },

{ name: 'country', type: 'string', title: 'Country' }, ] }, ] };
```

```
export const orderTrackingSchema =

{ name: 'orderTracking', type: 'document', fields:

[ { name: 'orderId', type: 'reference', to: [{ type: 'order' }], title: 'Order ID' },

{ name: 'trackingNumber', type: 'string', title: 'Tracking Number' },

{ name: 'status', type: 'string', title: 'Tracking Status' },

// e.g., "Pending", "Shipped", "Delivered"

{ name: 'updates', type: 'array', of: [{ type: 'object',

fields: [ { name: 'timestamp', type: 'datetime', title: 'Update Timestamp' },

{ name: 'location', type: 'string', title: 'Location' },

 { name: 'status', type: 'string', title: 'Status Update' }, ] }], title: 'Status Updates' }, ] };
```