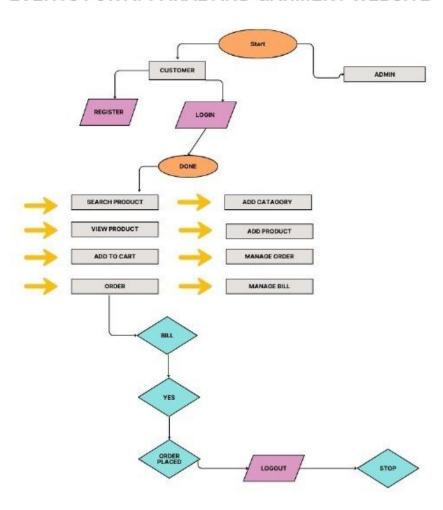
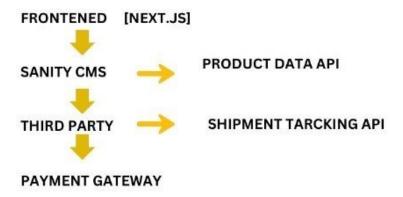
PLANNING THE TECHNICAL FOUNDATION DAY: 2

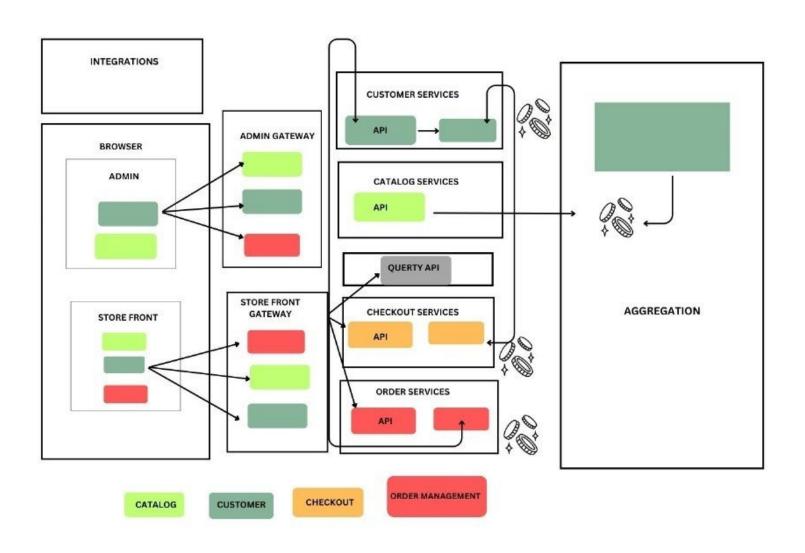
EVENTS FOR APPARAL AND GARMENT WEBSITE

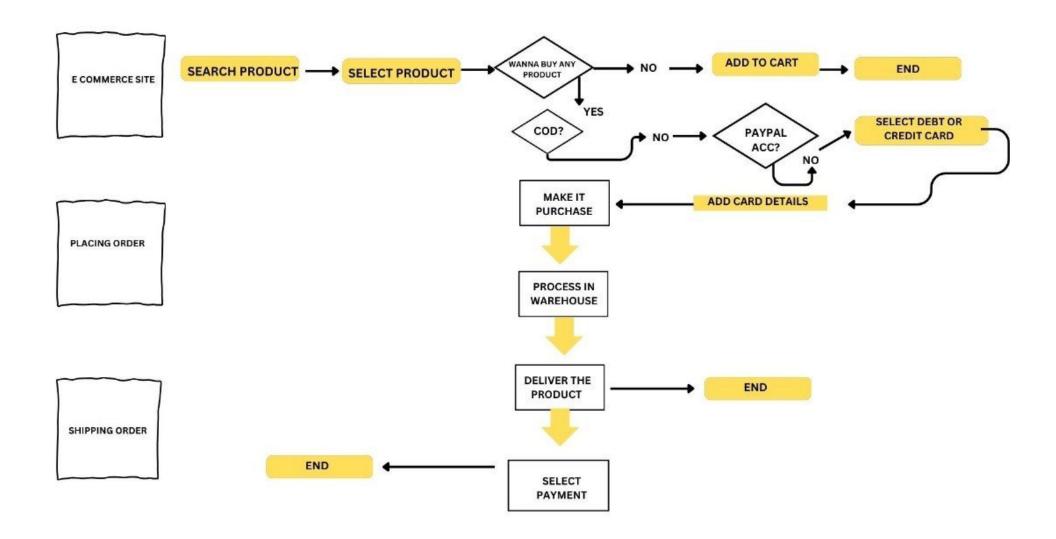


SYSTEM ARCHITECTURE OVERVIEW DIAGRAM:

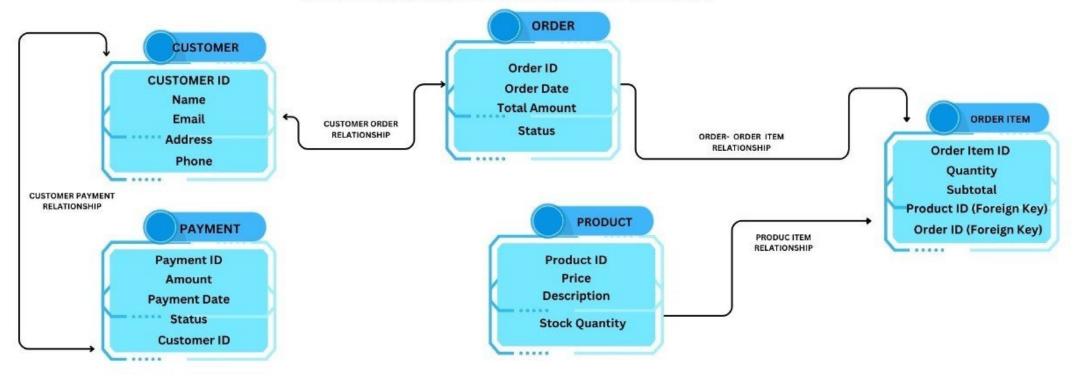


SYSTEM ARCHITECTUR FLOW CHART



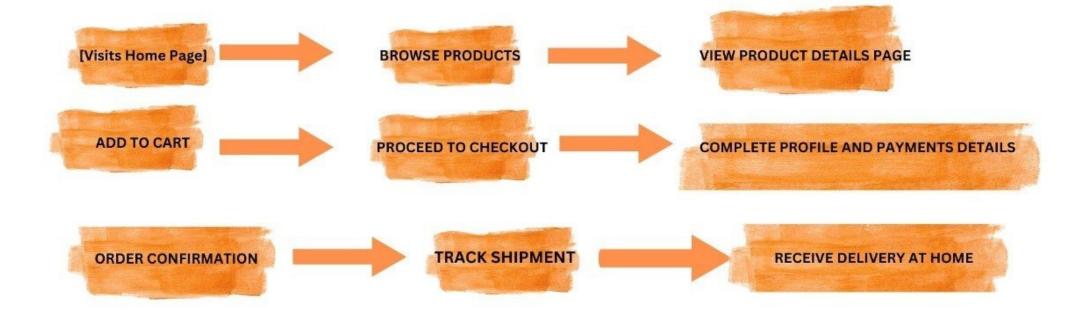


ER DIADRAM SAMPLE FOR ECOMMERCE PROJECT



		API ENDpoints.XLSX		
ENDPOINTS	METHOD	DESCRIPTION	PARAMETERS	RESPONSE EXAMPLE
/api/products	GET	Fetch all products	None	{ id: 1, name: "T-shirt", category: "Tops", price: 29.99 }
/api/products/:id	GET	Fetch a single product	id (Path)	{ id: 1, name: "T-shirt", category: "Tops", price: 29.99 }
/api/products	POST	Add a new product	name, category, price, description, image (Body)	{ success: true, id: 5 }
/api/products/:id	PUT	Update a product	id (Path), name, category, price, description, image (Body)	{ success: true }
/api/products/:id	DELETE	Delete a product	id (Path)	{ success: true }
/api/categories	GET	Fetch all product categories	None	{ categories: ["Tops", "Bottoms", "Dresses", "Accessories"] }

WORKFLOW DIAGRAM VISUAL REPRESENTATION



SANITY SCHEMA.js

```
export default (
// Define the document type and its name
       name: 'product',
type:' document',
title: 'Appare! Product', // The title displayed in the CMS for this document
                                                        fields: |
                                         // Field for the product's name
                                        name: 'name',
type: 'string', // Basic text field
                         title: 'Product Name', // Label for the field in the CMS
                               validation: (Rule) no
Rule, roqu inotil // Makes this field mandatory
              .mae(100) // Restricts the maximum length to 100 characters error! Product name is required and cannot exceed 100 characters."),
                          If Stug field for generating a URL friendly identifier
                                                       type: 'slug'.
                                                        titter Slug'.
description: URA-friendly identifies for the apparel product.", || Helper text in the CMS options: (
scarcer 'name', || Automatically generates the dug based on the product name.
                                   markength 200, If Limits the slug length
                                                l.
validation: (Rule) to
                Rule, required (Lerrori/Sing is required for product identification.').
                            // Field for a detailed description of the product
                                       name: 'description',
type: 'teet', // Nuiti-line test field
                    tkie: 'Description',
description 'Detailed description of the append product.',
validation; (Rule) or
Referrequired! // Makes this field mandatory
                   .min(20) // Requires at least 20 characters
.max | 900) // Limits to a maximum of 900 characters
.error/ Description must be between 20 and 900 characters.' (...
                  If Field for product category (e.g., 'Topo', 'Bottoms', 'Dresses')
                                                    name: 'category',
type: 'string',
                                                   title: 'Category',
options I
                                       let: (
{ title: "Tops", value: "Tops").
{ title: "Bottoms", value: "Bottoms" ),
                                        Critic 'Dresses', value: 'Dresses')
                                  ( title: 'Accessories', value: 'Accessories'),
// Add reore categories as needed
               validation: (Bule) to Rule, required(), error()Category is required.),
                              JJ Field for product size (e.g., 16", Wf, 12", 1913)
name: 'size',
                                                 type: 'stray',
alt: || type: 'string' || |
title: 'Sibec',
                                                         eptions (
                                      Inyout: 'tage', // Display sizes so tage
                                            J/ Field for product color name: 'color',
                                                      type: 'string'.
                                                       title: 'Color'.
                                             // Reid for product price
                                                      name: 'price'.
  type: 'number',
trick: 'Price',
validation: (Rulei == Ruleurequired), mintlu error(Price must be a positive number.'),
                                           // Field for product images
name: 'images',
type: 'array',
                                                 of Ktype: 'image' )),
title: 'images',
                                                  // ... other fields ...
```

```
// Field for the product's price
                          name: 'price',
                   type: 'number', // Numeric field
                       title: 'Product Price',
                       validation: (Rule) ->
            Rule.required() // Makes this field mandatory
             .min(0) // Ensures the price is non-negative
           error('Product price must be a positive value.'),
                // Field for the discount percentage
                   name: 'discountPercentage'.
                          type: 'number',
                   title: 'Discount Percentage',
    description: 'Percentage discount on the apparel product.',
                       validation: (Rule) =>
        Rule.min(0) // Ensures the discount is not negative
       .max(100) // Ensures the discount does not exceed 100%
      .error('Discount percentage must be between 0 and 100.7,
             // Field for the price before the discount
                  name: 'priceWithoutDiscount',
                          type: 'number',
                  title: 'Price Without Discount',
description: 'Original price of the apparel product before discount.',
    readOnly: true, // Makes this field non-editable in the CMS
 // Optional: Auto-calculate this field based on price and discount
initialValue: (doc) => doc.price / (1 - doc.discountPercentage / 100).
                  // Field for the product's rating
                          name: 'rating',
                          type: 'number',
                          title: 'Rating',
       description: 'Average rating of the apparel product.',
                       validation: (Rule) =>
           Rule.min(0) // Ensures the rating is not negative
            .max(5) // Limits the rating to a maximum of 5
              .precision(1) // Allows one decimal place
              .errorl'Rating must be between 0 and 5.'),
```