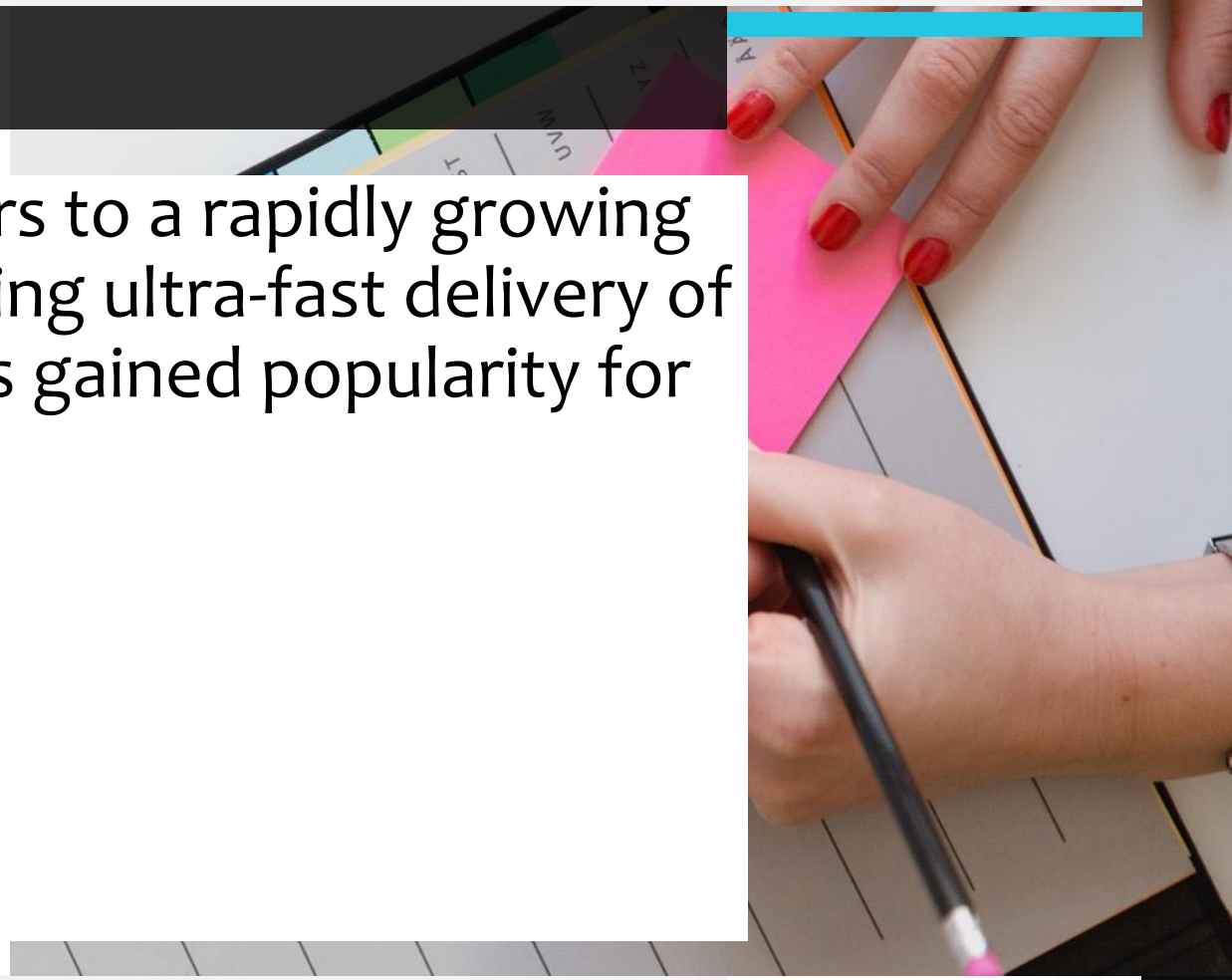
HACKATHON (DAY 1 & 2)

PLANNING THE TECHNICAL FOUNDATION

The Technical Foundation Of Quick-Commerce.

Why Q-commerce?



Q-commerce, or "quick commerce," refers to a rapidly growing sector of e-commerce focused on providing ultra-fast delivery of goods, often within an hour or less. It has gained popularity for several reasons:

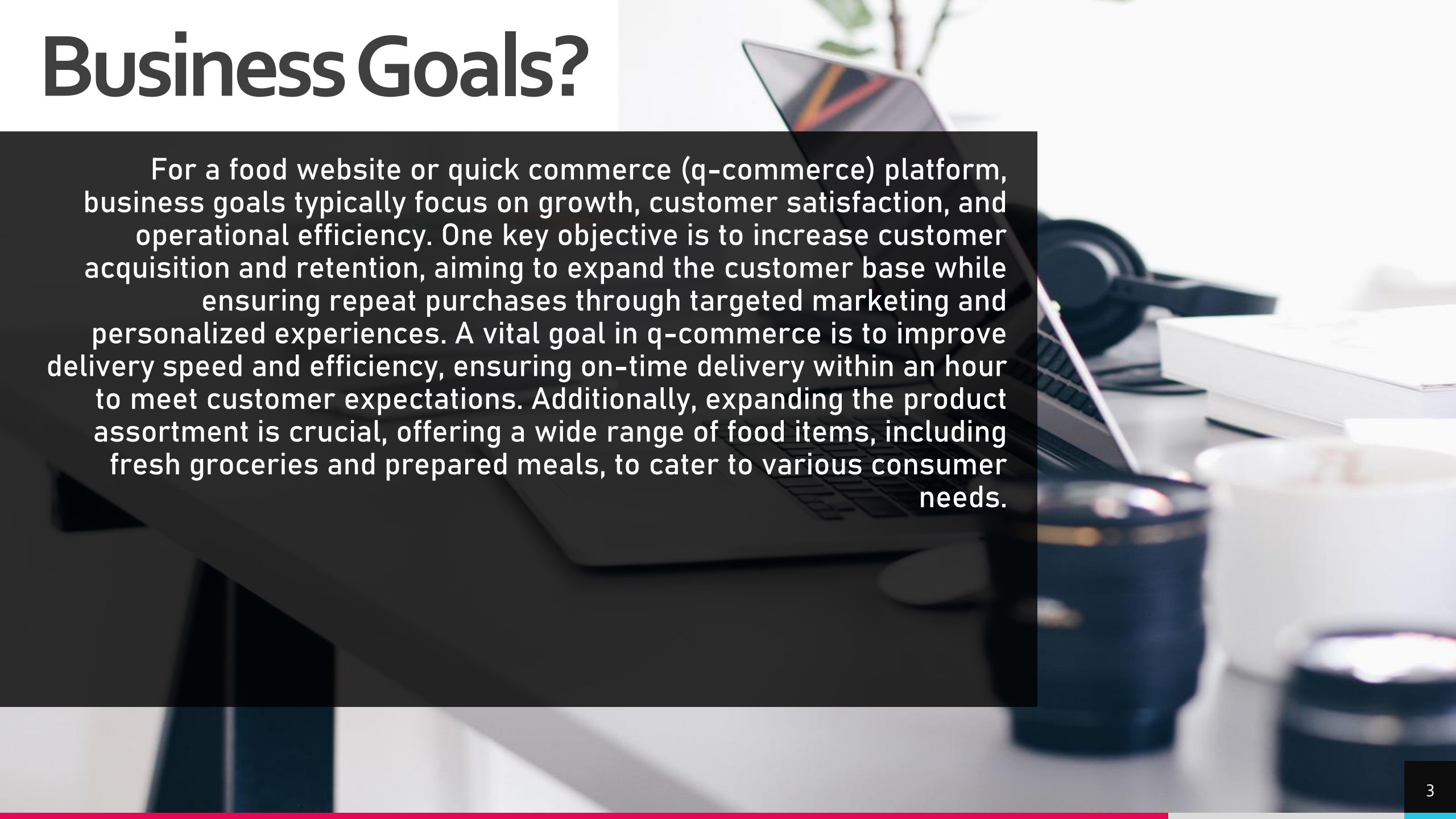
1- Technological Advancements

2- Urbanization

3- Competitive Advantage

4- Consumer Convenience

Business Goals?

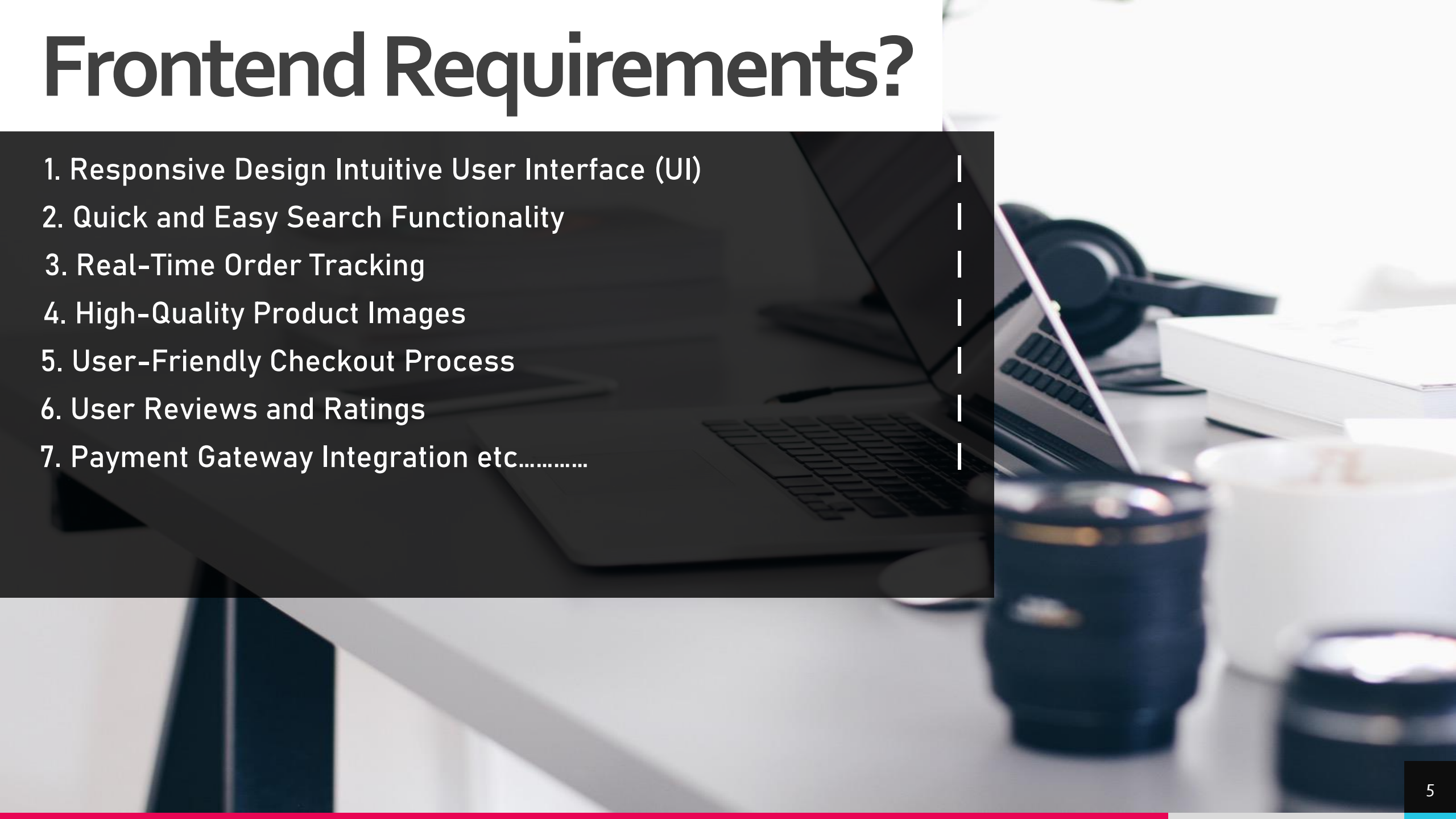


For a food website or quick commerce (q-commerce) platform, business goals typically focus on growth, customer satisfaction, and operational efficiency. One key objective is to increase customer acquisition and retention, aiming to expand the customer base while ensuring repeat purchases through targeted marketing and personalized experiences. A vital goal in q-commerce is to improve delivery speed and efficiency, ensuring on-time delivery within an hour to meet customer expectations. Additionally, expanding the product assortment is crucial, offering a wide range of food items, including fresh groceries and prepared meals, to cater to various consumer needs.

Target Audience?

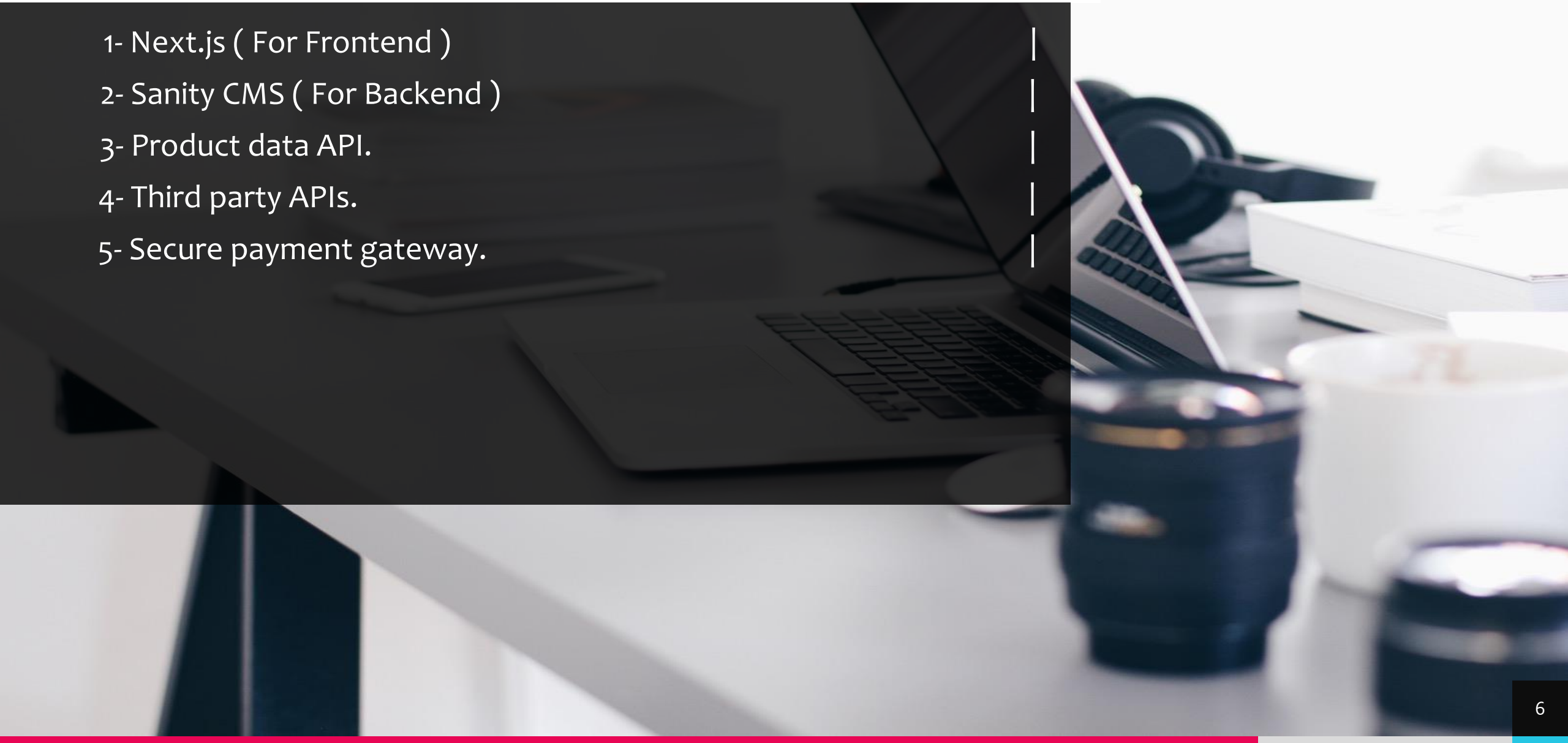
1. Busy professionals. (The busy peoples because they have no time to cook.
2. Urban dwellers.
3. Young Adults and Students. (The students because they are busy in their studies)
4. Big Families.
5. Late-Night Peoples.

Frontend Requirements?



1. Responsive Design Intuitive User Interface (UI)
2. Quick and Easy Search Functionality
3. Real-Time Order Tracking
4. High-Quality Product Images
5. User-Friendly Checkout Process
6. User Reviews and Ratings
7. Payment Gateway Integration etc……

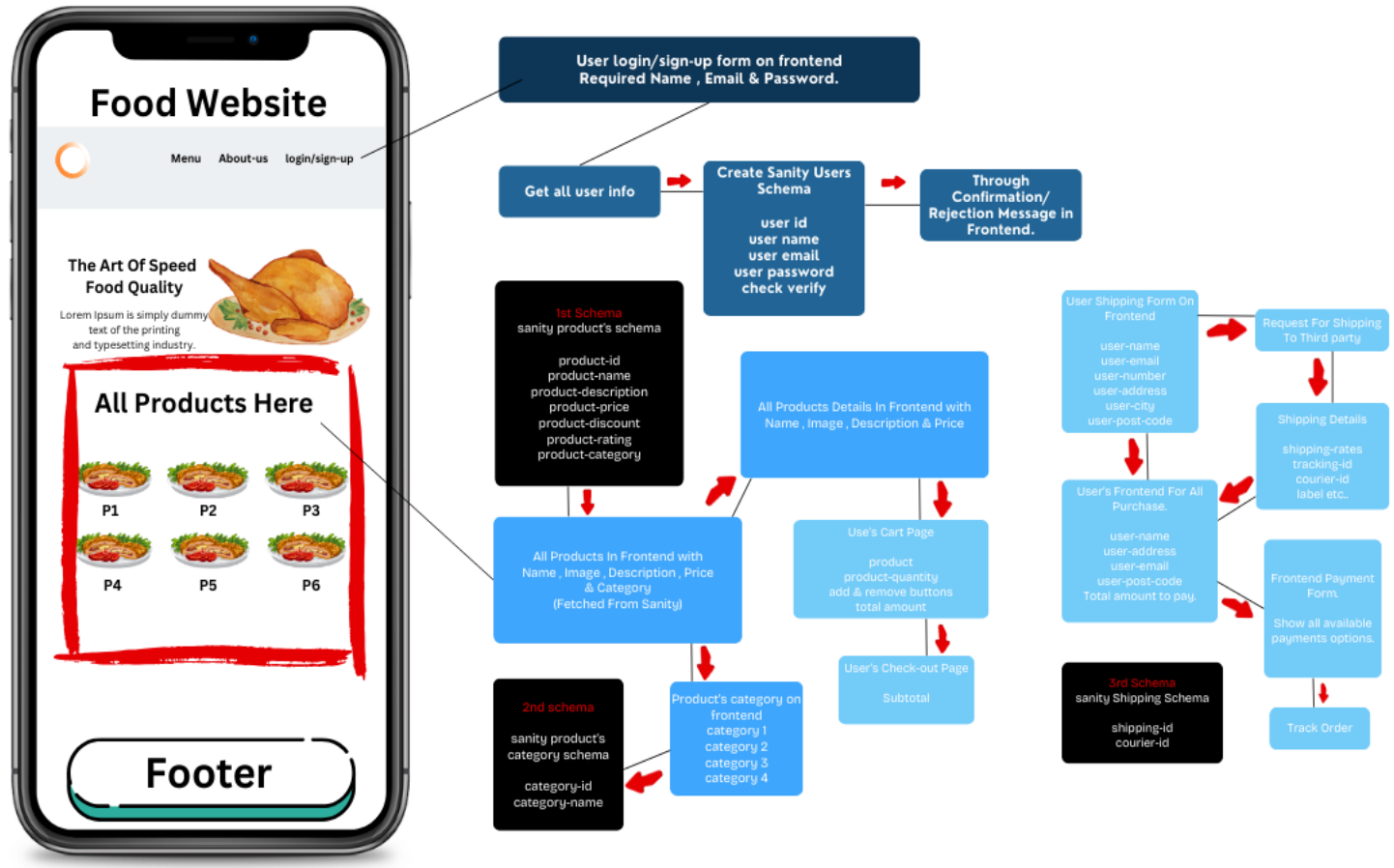
Components & their roles?



1- Next.js (For Frontend)
2- Sanity CMS (For Backend)
3- Product data API.
4- Third party APIs.
5- Secure payment gateway.

System Architecture

Below is a visual representation of the general e-commerce system architecture.



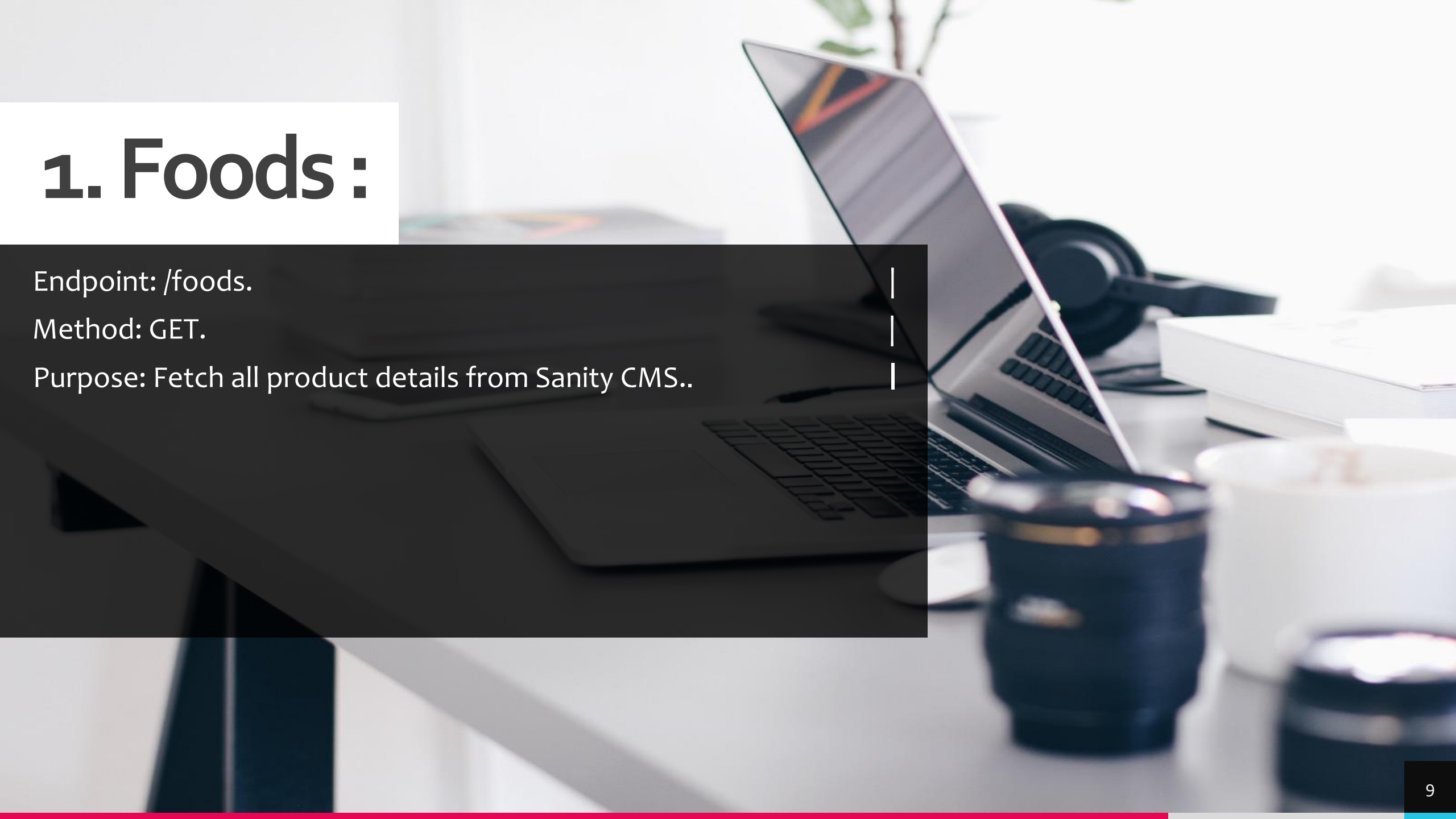
API Endpoints and their Purpose and Methods Below are the key API endpoints, their purposes, and methods also:

1. Foods :

Endpoint: /foods.

Method: GET.

Purpose: Fetch all product details from Sanity CMS..

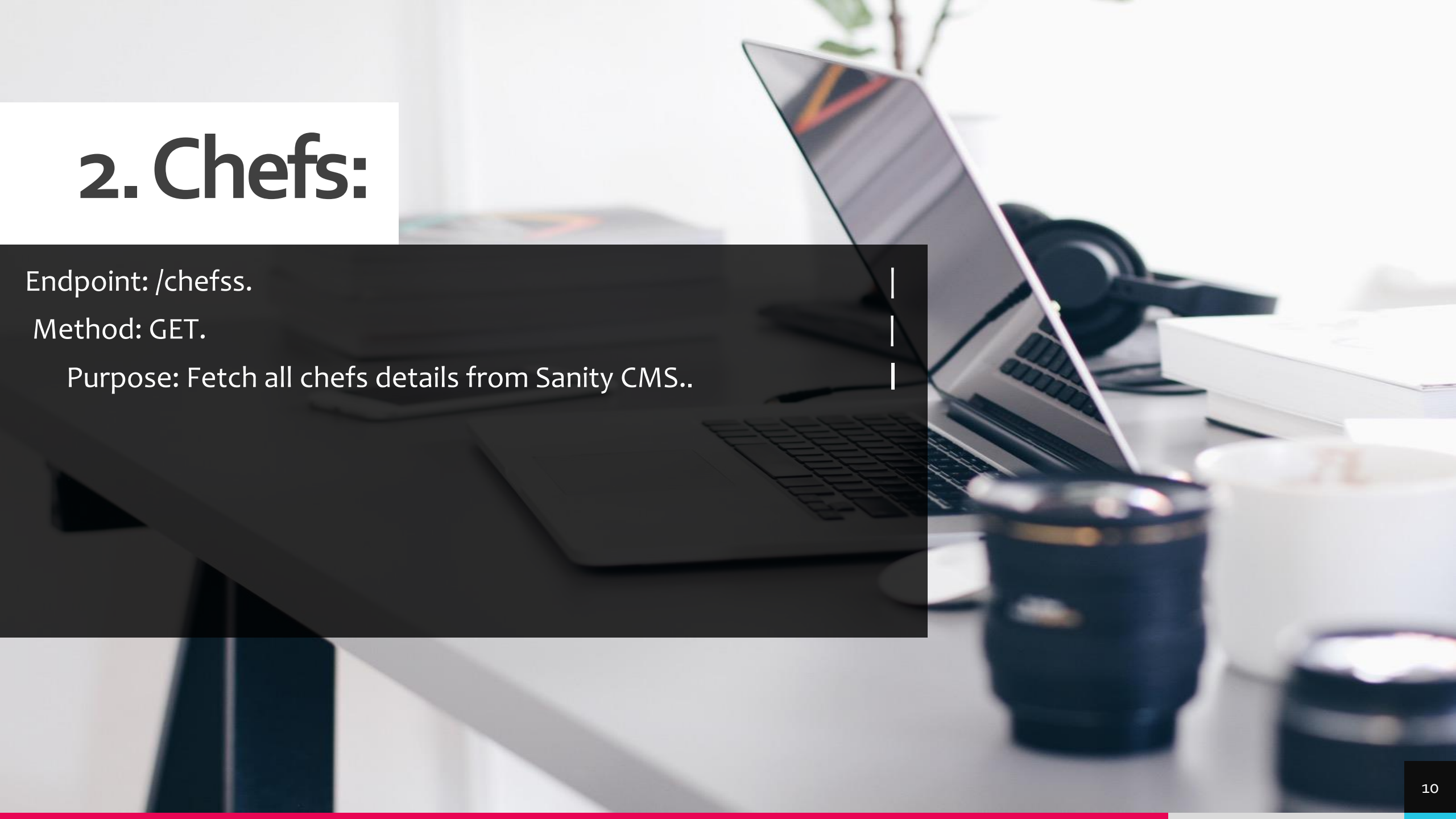


2. Chefs:

Endpoint: /chefss.

Method: GET.

Purpose: Fetch all chefs details from Sanity CMS..



3. Blogs :

Endpoint: /blogs.

Method: GET.

Purpose: Fetch all blogs & blogs details from Sanity CMS..

Shipment

Endpoint: /shipment

Method: GET

Purpose: Fetch shipment status from a third-party API.

CONCLUSION

Aim is to make fully functional & Responsive website for user in which users see , select and order food for him/her in very friendly way , apply best practices for implement a security to avoid attacks make website fully secure. By using Nextjs for Frontend and Sanity CMS (Content Management System) for Backend & third API for shipping make a fully functional website.

THANKYOU!